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

Introduction
DIRECTORY FOR CORRESPONDENCE

<table>
<thead>
<tr>
<th>College Mailing Address</th>
<th>Grand Canyon College</th>
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<tbody>
<tr>
<td></td>
<td>3300 W. Camelback Road</td>
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<tr>
<td></td>
<td>P.O. Box 11097</td>
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<td></td>
<td>Phoenix, AZ 85061-1097</td>
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<tr>
<td>General Policy, Gifts and Endow-</td>
<td>President of the College</td>
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<td>ment, Legal Matters</td>
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<tr>
<td>Academic Matters, Faculty, Curri-</td>
<td>Academic Dean</td>
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<td>curum, and Program</td>
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<td>Admissions, Catalog</td>
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<td>Expenses, Financial Arrangements,</td>
<td>Director of Financial Aid</td>
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<td>Student Employment on Campus</td>
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<td>Director of Placement</td>
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<td>Student Employment off Campus</td>
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<td>Tuition Grants for Ministerial</td>
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<tr>
<td>Students</td>
<td>Vice President for Planning &amp; Development</td>
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<td>Dormitories and Housing</td>
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<td>Fund Development</td>
<td>Dean of Students</td>
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<td>Estate Planning</td>
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<td>Associated Students, Student Pub-</td>
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<td>lications</td>
<td>Director of Public Relations</td>
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<td>Director of Teacher Education</td>
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<td>Publicity Materials</td>
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<td>Teacher Education</td>
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<td>Veterans’ Affairs</td>
<td>Director of the Alumni Association</td>
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<tr>
<td>Summer School</td>
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<tr>
<td>Alumni Affairs</td>
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INFORMATION FOR VISITORS

The Administration Buildings face toward Camelback Road on Administration Avenue. Office hours are 8 a.m. to 5 p.m., Monday through Friday. During summer and holidays the office hours are 8 a.m. to 4 p.m. Holidays: Thanksgiving Day, Christmas Eve, Christmas Day, New Year's Eve, New Year's Day, Memorial Day, Independence Day, Veteran’s Day and Labor Day.

Visitors are always welcome on the campus. One who anticipates a visit to the campus when offices will be closed may make arrangements by contacting the Academic Dean. Telephone: Area Code 602, 249-3300.
TABLE OF CONTENTS

Introduction 5
### ACADEMIC CALENDAR

#### 1986

<table>
<thead>
<tr>
<th>MAY</th>
<th>JUNE</th>
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### SUMMER SESSIONS

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<thead>
<tr>
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<th>1988</th>
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<tr>
<td>Jun 5</td>
<td>1st Term Registration</td>
</tr>
<tr>
<td>June 8-</td>
<td>1st-Term</td>
</tr>
<tr>
<td>July 9</td>
<td>2nd-Term Registration</td>
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<tr>
<td>July 10</td>
<td>2nd-Term</td>
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<tr>
<td>July 13-</td>
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<td>Aug 13</td>
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### FALL SEMESTER

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<thead>
<tr>
<th>1986</th>
<th>1987</th>
<th>1988</th>
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<tr>
<td>Aug 21</td>
<td>Dormitories open for new students (after 6 p.m.)</td>
<td>Aug 20</td>
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<tr>
<td>Aug 22, 25</td>
<td>Conferences, placement tests, and orientation for new students</td>
<td>Aug 21, 24</td>
</tr>
<tr>
<td>Aug 25</td>
<td>Faculty Workshop</td>
<td>Aug 24</td>
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<tr>
<td>Aug 26</td>
<td>Registration for seniors, 5th year, Second degree, Juniors, and Sophomores</td>
<td>Aug 25</td>
</tr>
<tr>
<td>Aug 27</td>
<td>Registration for Sophomores, Freshmen and unclassified</td>
<td>Aug 26</td>
</tr>
<tr>
<td>Aug 28</td>
<td>Instruction begins, day and evening classes</td>
<td>Aug 27</td>
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<tr>
<td>Aug 28, Sept 1, 2</td>
<td>Evening registration</td>
<td>Aug 27, 31, Sept 1</td>
</tr>
<tr>
<td>Sept 1</td>
<td>Labor Day — evening classes meet</td>
<td>Sept 7</td>
</tr>
<tr>
<td>Sept 8</td>
<td>Last day to register for credit</td>
<td>Sept 8</td>
</tr>
<tr>
<td>Oct 20-24</td>
<td>Mid-terms</td>
<td>Oct 19-23</td>
</tr>
<tr>
<td>Oct 27</td>
<td>Mid-term grades reports due by noon</td>
<td>Oct 26</td>
</tr>
<tr>
<td>Nov 7</td>
<td>Last day to drop courses without penalty</td>
<td>Nov 6</td>
</tr>
<tr>
<td>Nov 10</td>
<td>Veteran’s Day (evening classes meet)</td>
<td>Nov 9</td>
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<tr>
<td>Nov 27-28</td>
<td>Thanksgiving Holidays</td>
<td>Nov 26-27</td>
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<tr>
<td>Dec 12, 15-18</td>
<td>Final Exams</td>
<td>Dec 11, 14-17</td>
</tr>
<tr>
<td>Dec 22</td>
<td>Grade reports due by noon</td>
<td>Dec 21</td>
</tr>
<tr>
<td>Dec 22- Jan 5</td>
<td>Christmas Holidays</td>
<td>Jan 4</td>
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### STUDENT TEACHING

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<thead>
<tr>
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<tbody>
<tr>
<td>Aug 28</td>
<td>Education Block classes begin</td>
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<tr>
<td>Sept 3</td>
<td>Last day to register for Education Block courses</td>
</tr>
<tr>
<td>Sept 12</td>
<td>Last day to drop Education Block courses without penalty</td>
</tr>
<tr>
<td>Oct 2</td>
<td>Education Block courses end</td>
</tr>
<tr>
<td>Oct 6</td>
<td>Fall Student Teaching begins</td>
</tr>
<tr>
<td>Dec 12</td>
<td>Fall Student Teaching ends</td>
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### Student Teaching

<table>
<thead>
<tr>
<th>May 15</th>
<th>Beginning Spring Student Teaching (ends May 13)</th>
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<tbody>
<tr>
<td>May 16</td>
<td>Community center of Park (60-500)</td>
</tr>
<tr>
<td>May 17</td>
<td>Board of Directors meeting at noon, May 17</td>
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<tr>
<td>May 18</td>
<td>Grade reports due by noon, May 18</td>
</tr>
<tr>
<td>May 19</td>
<td>Grade reports due by noon, May 19</td>
</tr>
<tr>
<td>May 20</td>
<td>Final examinations 16-19</td>
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<tr>
<td>May 21</td>
<td>AP 17 with board of directors, May 21</td>
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<tr>
<td>May 22</td>
<td>AP 17 last day to drop courses, May 22</td>
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<tr>
<td>May 23</td>
<td>AP 17 Spring break, May 23</td>
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<tr>
<td>May 24</td>
<td>Mid-term grades due by noon, May 24</td>
</tr>
<tr>
<td>May 25</td>
<td>Mid-term exams May 24-25, May 25</td>
</tr>
<tr>
<td>May 26</td>
<td>Last day to register for credit, May 26</td>
</tr>
</tbody>
</table>
| May 27 | June 8
| May 28 | June 9
| May 29 | June 10
| May 30 | June 11
| May 31 | University holiday

### Spring Semester

| Jan 23 | Grade reports due |
| Jan 24 | University term ends |
| Jan 25 | January term begins |

### January Term Academic Calendar

**Introduction**
General College Information
PURPOSE OF THE COLLEGE

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

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

CHRISTIAN EMPHASIS

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

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

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

ACCREDITATION

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

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

The National League for Nursing and the Arizona State Board of Nursing accredit the College for the Bachelor of Science in Nursing degree.

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

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the College. (See page 61.)

APPROVALS

Grand Canyon College is approved for training eligible students in the following government programs: Veterans Education, Indian Health Service, Vocational Rehabilitation, Tribal Agencies, and Bureau of Indian Affairs.

TEACHER EDUCATION

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

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

PRE-PROFESSIONAL TRAINING

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

ROTC credit in Army Military Science or Aerospace

Officers of the military service. Students may take
military knowledge and skills needed by the junior
community college campuses. The goal of this
Arizona State University or one of the
Grande Canyon College and take the
program at Grande Canyon College. Students register
Grande Canyon College has developed-

Through an arrangement with Arizona State Uni-

requisites.

Planning academic schedules (see page 158 for
The pre-medical advisor can be of assistance in
range of courses in the humanities and social sciences.
mathematics, students should select from a broad
range of courses to encompass the depth and
chosen fields. In addition to courses in science and

successful applicants to professional schools must

degree at the college.

nursing may obtain a Bachelor of Science in Nursing
work at the college. Students interested in a career in
Health Science may also complete their prerequisites
medical technology, physical therapy or other careers
opportunities. Students who plan to enter programs in


Through the Department of Natural Sciences

institutional, and creative power in thinking.

communication, critical understanding of human

the development of comprehension and articulation

Basic objectives of pre-law education should include:

The legal profession is exacting in its standards in

Elective course in accounting.

Pre-law students are also advised to complete an
history, government, and economics is recommended.

Hence, to attend. A broad preparation of the law school.

recommendations of the law school. When the student

should be arranged to fit the particular suggestions

college degree. Whenever possible, a course of study

school vary from three years of college preparation to a

The minimum requirements for admission to law

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

**COMPUTER CENTER**

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

A microcomputer laboratory utilizing IBM personal computers is also available to students. Word processing, electronic spreadsheets, and other useful software packages are provided.

The Computer Center gives periodic seminars to introduce students to the equipment in the Center and to help students integrate computer usage into their academic activities.

**EVENING CLASSES**

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

**JANUARY TERM**

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

Two types of courses are offered during January Term. Those with the JAN prefix are graded on a credit/noncredit basis. These courses are structured with the intent to expand the liberal arts approach through a curriculum oriented to exploration. This curricular approach is realized through course offerings that promote the opportunity for each individual to experience new places, activities, and ideas that are beyond the scope of the usual degree curriculum. In addition, students may choose to take courses offered for departmental credit which will count toward a major or minor and receive a letter grade.

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

Three semester hours of credit are given for the January Term.
Summer Sessions
Summer during the Student Teaching Student

Dean, Education, except Student Teaching.

Certificate programs as outlined in the College of
Education, except for Elementary, Special, or Secondary
courses listed for Elementary Special, or Secondary.

Preference: All the
student teaching experience begins on a limited basis.

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Student teaching experience begins on a limited basis.
Student teachers who are not enrolled in a regular program at Grand Canyon College must present a letter of request from the institution sponsoring their certification program. If students are working directly with the State Department of Education for certification, they must meet with the Dean of the College of Education and submit the following documents:

1. Official Evaluation form from the State Department of Education.

2. Passage of the Basic Skills component of the Arizona Teacher Proficiency Examination (ATPE).

3. Completion of 12 hours in residence at Grand Canyon College to include SED 442, 443, 452, and 462 or 12 hours in Elementary Education to be selected from EED 323, 343, 463, 402, or 433.

4. Maintenance of 2.5 GPA at Grand Canyon College.

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

HISTORICAL SKETCH

The first definite steps toward founding Grand Canyon College were taken at the annual session of the Baptist General Convention of Arizona (now the Arizona Southern Baptist Convention) in November, 1946. On March 4, 1947, college trustees who had
view of the mountainous surrounding area, all the buildings are surrounded by trees. The grounds are landscaped with a fountain and a landscaped garden. The buildings are arranged around a central plaza, and the campus is surrounded by a forest of eucalyptus. The campus is accessible by a main thoroughfare called Campus Drive, which runs through the center of the campus.

The original buildings were constructed in the 1950s, and the current campus includes several new buildings that were added in the 1960s and 1970s. The campus is located in a rapidly growing area, and the city of Phoenix is one of the most populous in the nation. The campus is located in the Phoenix area, which is known for its warm climate and its proximity to the desert. The campus is situated on a 70-acre site, and the surrounding area is a mix of residential and commercial areas.

The College has 70 acres of land, and the facilities include offices, classrooms, and laboratories. The facilities include offices, classrooms, and laboratories. The campus includes a number of athletic facilities, including a gymnasium, a swimming pool, and a track and field. The campus also includes a number of academic buildings, including the Library, the Science Building, and the Arts Building.

LOCATION

Bill R. Williams, 1978
Bill R. Williams (acting president), 1977-78
William R. Himize, 1973-77
Arthur T. Lyon, 1966-72
Charles T. McKay (acting president), 1965-66
Eugene N. Peterson, 1959-65
Michael L. Brown (acting president), 1958-59
Leroy W. Simmons, 1955-58
B.O. Herdine, 1952-54
Frank M. Usick (acting president), 1952
ECOPY Smith, 1950-52
Wills J. Ray, 1949-50

The following men have served as President of the College:

Thirty-Third Avenue

The College was founded in 1949, and began instruction with the

and was chartered on August 1, 1949. The College was named The College of Prescott as the site for the new Board of the College. The College was moved to Phoenix in

In September, 1951, the

Board of the College chose a site for the new campus and began construction of the new buildings. The campus was completed in 1952, and the College began instruction in

and the College was moved to Phoenix in 1951. The College was founded in 1949, and began instruction with the

and was chartered on August 1, 1949. The College was named The College of Prescott as the site for the new Board of the College.
There are over 3,000 sound recordings in Fleming Library. Many were donated by Chester Brantner, an Arizona cowboy, and by Bud Glaze, a Phoenix businessman. A separate music listening room is located on the second floor of the library. New equipment, as of November 1985, greatly expanded the library's capabilities and includes compact disc players.

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

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

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

Dormitories

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

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

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

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

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

Charles
M. Cook
Health Center

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

Skills lab and a learning resource center, nursing offices, a 120-seat lecture hall, a nursing classroom, a 120-seat lecture hall, a nursing classroom, and other educational facilities.

Samaritan College of Nursing

The 16,000-square-foot facility was dedicated in 1985 to Samaritan Health Service in gratitude for their support of the College of Nursing. It is the first of its kind in the region to meet the needs of nursing students.

Smith Arts Complex

This quadraple of studies, classrooms, and the complete darkroom, contains art studios, art classes, and art exhibits.

Henderson Missionary Residence

Grand Canyon College, with over 2,000 students, is situated at Missionary house in Henderson. The Missionary House is a short drive from downtown Phoenix. The building is named after Mrs. W.C. Henderson, who served as a missionary to the Hopi Indians.

Science Building

The Building is equipped for lab work in biology, chemistry, physics, and environmental science.

Little Theater

Given by Peter and Anna Dahlon, the Little Theater is a theater with a small auditorium for plays, concerts, and recitals.

Memorial Building

The Memorial Little Theater, with a seating capacity of 333, was completed in 1973. It was designed to meet the needs of students and faculty members.

Phlebotomy Building

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

General College Information

January Term, and Summer Term, and Spring Semester, the Fall and Spring Semesters, Class buildings are published for the College.
ALUMNI ASSOCIATION

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room, per week</td>
<td>$3.0</td>
</tr>
<tr>
<td>Room, per term</td>
<td>$8.0</td>
</tr>
<tr>
<td>Room, per semester</td>
<td>$10.0</td>
</tr>
<tr>
<td>Room, per academic year</td>
<td>$15.0</td>
</tr>
<tr>
<td>Part-time fee; June 1 through August 31</td>
<td>$6.0</td>
</tr>
<tr>
<td>General fee, per 5-week term</td>
<td>$5.3</td>
</tr>
<tr>
<td>Scholarships do not apply</td>
<td></td>
</tr>
<tr>
<td>Additional fee, per semester hour</td>
<td></td>
</tr>
<tr>
<td>Scholarships do not apply</td>
<td></td>
</tr>
</tbody>
</table>

**Tuition, per semester hour: $5.0**

**Minimum Charge:**
- Board (Jan. - Apr.) and Tuition to a room in a house or dormitory is given.
- **$100.00**
- Dinner fee (3) persons to a room at a room at a discounted rate.

**January Term**
- Tuition, per semester hour: $9.00
- Spring semester:
  - Tuition, per semester hour: $7.50
  - General fee, per semester hour: $4.75

**Fall Semester**
- Tuition, per semester hour: $6.00
- 8 hours or less (parking included)
  - Tuition, per semester hour: $3.00
- 9 hours or more, per semester hour

**Evening School**
- Tuition, per semester hour: $9.00

**Academic Year**
- Tuition, per semester hour: $10.60

**Summer School**
- Tuition, per semester hour: $9.00

**Financial Aid:**
- Scholarships do not apply
- Tuition, per semester hour: $3.00

**Student Expenses**
- **Subject to change**

The expenses of a student are not covered by the Tuition and Fees stated above. It is recommended that students apply for financial aid before the start of the semester.

The Board of Trustees reserves the right to change all fees and charges without notice. It is necessary to consult the Business Office before the start of the semester to ensure that all fees and charges are recorded correctly.

**Accreditation:**
- The college is accredited by the Western Association of Schools and Colleges.

**Visa:**
- The college will honor Visa and MasterCard charges.

The regular school year is comprised of two terms of five weeks each. The academic year is divided into two academic years:
- **January Term** and a Spring term, and a Fall semester, a Winter term, and a Summer session.

**Admission Requirements:**
- Students must submit a completed application form, transcripts, and test scores.
- Tuition, Housing, and Basic Fees are due and payable at the beginning of each semester and must be paid in advance.

**Refunds:**
- Tuition refunds are given within the first two weeks of the semester.
Tuition, housing, and basic fees

Student expenses

Tuition, per semester hour

Summer School

Biomedical Studies

General Fee

Center For...
Financial Information

Student Expenses
Tuition, Housing and Basic Fees
Special Charges
Miscellaneous Fees
Special Class Fees
Student Insurance
Room and Board Refunds
Financial Aid and Employment Placement Services
Ministerial Grants
Student Loans
Scholarships and Tuition Grants
Tribute Fund
Additional Placement Brochure, each (includes 20 brochures) 2.50
Placement fee, initial fee paid during the term of student placement or upon request for service of the Placement Placement Office, 11.00
Student Insurance (accident and accidental, per semester (approximate)) 10.00
Return check fee (per check) 10.00
Student fla license (includes car tag) 2.00
Registration of second car 0.50
Post office box rental, per semester 0.00
Domitory dues, per semester 1.00
Transportation of credits, except by time 25.00
Credit exam fee 12.50
Special examination, per semester or credit equivalent 5.00
Late examination fee (for any major exam) 1.00
Interest charges on unpaid balances at Business Office, per month 10.00
Course changes after date of regular registration 10.00
Drop/add fee (special registration period except) 0.00
Records before registration period elastic 5.00
Temporary registration period elastic 9.00
Late registration fee 13.50
Late entrance examination fee 5.00

MISCELLANEOUS FEES

Miscellaneous fees cover student accounts in the Business Office. Students are expected to clear their accounts in the Business Office. Students are expected to pay all fees before the end of each semester.

Breakage deposit 0.00
Spring semester 0.00
College by August 1 for the Fall semester or by January 1 for the
Second semester; if not on or to whom is made known to the
Department of Financial Aid, this deposit may be
Reimbursed when the student is notified of the dormitory

Reservation deposit for temporary room 100.00
Set up fee for a student 0.00
This one-time fee must be paid before the Registrar's Office will

APPCICATION FEE (non-refundable) 15.00

Financial Information 25
# SPECIAL CLASS FEES

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independent Study (includes Reading &amp; Conference courses, Practicums)</td>
<td>$25.00</td>
</tr>
<tr>
<td>January Term</td>
<td>25.00</td>
</tr>
<tr>
<td>Art</td>
<td></td>
</tr>
<tr>
<td>Introduction to Art</td>
<td>$5.00</td>
</tr>
<tr>
<td>AR 243 Photography I</td>
<td>40.00</td>
</tr>
<tr>
<td>AR 343 Photography II</td>
<td>40.00</td>
</tr>
<tr>
<td>All other Art Classes</td>
<td>20.00</td>
</tr>
<tr>
<td>Education</td>
<td></td>
</tr>
<tr>
<td>EED 480/SED 480 Student Teaching (per semester hour)</td>
<td>$10.00</td>
</tr>
<tr>
<td>SPE 408/418 Student Teaching (per semester hour)</td>
<td>10.00</td>
</tr>
<tr>
<td>EDU 103/113 Reading Skills for Success in College</td>
<td>20.00</td>
</tr>
<tr>
<td>EDU 363 Instructional Media</td>
<td>25.00</td>
</tr>
<tr>
<td>EDU 413 Tests &amp; Measurements</td>
<td>25.00</td>
</tr>
<tr>
<td>Student Teaching within 25-50 miles</td>
<td>50.00</td>
</tr>
<tr>
<td>Student Teaching outside of Maricopa County</td>
<td>100.00</td>
</tr>
<tr>
<td>SPE 333 Diagnosis of Learning Problems</td>
<td>15.00</td>
</tr>
<tr>
<td>PSY 363 Intro to Statistics (computer fee)</td>
<td>25.00</td>
</tr>
<tr>
<td>PSY 367 Experimental Psychology lab fee</td>
<td>25.00</td>
</tr>
<tr>
<td>Music and Performing Arts</td>
<td></td>
</tr>
<tr>
<td>MAP All Private Lessons (1 semester hour)</td>
<td>$100.00</td>
</tr>
<tr>
<td>MAP All Private Lessons (2 semester hours)</td>
<td>170.00</td>
</tr>
<tr>
<td>MUS All Class Lessons</td>
<td>25.00</td>
</tr>
<tr>
<td>MAP 390, MUS 300 Junior Recital</td>
<td>20.00</td>
</tr>
<tr>
<td>MAP 490, MUS 400 Senior Recital (B.A.) (full)</td>
<td>30.00</td>
</tr>
<tr>
<td>MAP 400 Senior Recital (B.S.) (short)</td>
<td>20.00</td>
</tr>
<tr>
<td>GTR All one hour classes</td>
<td>100.00</td>
</tr>
<tr>
<td>GTR All two hour classes</td>
<td>200.00</td>
</tr>
<tr>
<td>MED 211/221/231</td>
<td>5.00</td>
</tr>
<tr>
<td>MED 232/241/251/262</td>
<td>15.00</td>
</tr>
<tr>
<td>MUS 353 Opera Workshop</td>
<td>35.00</td>
</tr>
<tr>
<td>ORG 111/121 Class lessons</td>
<td>25.00</td>
</tr>
<tr>
<td>ORG 131/331 Private lessons (per semester hour)</td>
<td>100.00</td>
</tr>
<tr>
<td>ORG 132/332 Private lessons (per semester hour)</td>
<td>100.00</td>
</tr>
<tr>
<td>PNO 111/113/121 Class lessons</td>
<td>25.00</td>
</tr>
<tr>
<td>PNO 131/331 Private lessons (per semester hour)</td>
<td>100.00</td>
</tr>
<tr>
<td>PNO 132/332 Private lessons (per semester hour)</td>
<td>100.00</td>
</tr>
<tr>
<td>VOI 111/121 Class lessons</td>
<td>25.00</td>
</tr>
<tr>
<td>VOI 131/331 Private lessons (per semester hour)</td>
<td>100.00</td>
</tr>
<tr>
<td>VOI 132/332 Private lessons (per semester hour)</td>
<td>100.00</td>
</tr>
<tr>
<td>Nursing</td>
<td></td>
</tr>
<tr>
<td>NUR 202</td>
<td>$12.00</td>
</tr>
<tr>
<td>Natural Science and Mathematics</td>
<td></td>
</tr>
<tr>
<td>Science Lab fee (for each lab course)</td>
<td>$25.00</td>
</tr>
<tr>
<td>Environmental Science Field Study</td>
<td>25.00</td>
</tr>
<tr>
<td>(Deposit refundable — field trip involved)</td>
<td></td>
</tr>
<tr>
<td>(This course is offered during the summer only and is not listed in the catalog.)</td>
<td></td>
</tr>
<tr>
<td>Computer Lab Fee (per course)</td>
<td>20.00</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>All Instructional Media Classes</td>
<td>$25.00</td>
</tr>
</tbody>
</table>
REFUNDS

If a student is forced to withdraw from school because of sickness or other unavoidable circumstances, his or her application fee will be refunded. Upon application for refund, a student may be charged for the cost of the room, meals, and miscellaneous fees. The student's record will be cleared from the records of the College.

ROOM AND BOARD

The student occupies the room assigned to him or her. The student is responsible for the cost of his or her living expenses, including room and board. The student is expected to pay the monthly charges on or before the first day of each month. The room and board charges are paid in advance. If the student is unable to pay the charges on time, the room and board charges will be assessed for the remainder of the month.

STUDENT INSURANCE

It is the responsibility of each student to carry medical insurance to cover medical expenses. All international students are required to carry such insurance. All international students must have this or comparable insurance, and all continuing students living in the dormitory are encouraged to carry it. For students taking classes during the summer or in the fall, coverage in the fall only, coverage is available. For students taking classes during the spring, coverage is available for the spring semester. A group plan for accident and sickness insurance for group

ACADEMIC CALENDAR, PAGES 6 AND 7

The academic calendar, pages 6 and 7, is an integral part of this book. It is designed to provide students with a clear understanding of the academic calendar. Students are encouraged to use it as a guide for planning their academic activities.
APPLICATION FOR REFUND

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

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

All refunds due a student are forfeited unless called for on or before June 30 of the college year for which such refunds are made. Should June 30 fall on Sunday or on a day when the Business Office is not open, the refund is obtainable on the next business day.

REFUND SCHEDULE

Fall and/or Spring Semester and Evening School refunds

<table>
<thead>
<tr>
<th>Tuition</th>
<th>During first week of classes: 100% of tuition &amp; fees</th>
<th>$ 25.00 complete withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>During second week of classes: 80% of total tuition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>During third week of classes: 60% of total tuition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>During fourth week of classes: 40% of total tuition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>During fifth week of classes: 20% of total tuition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>After five weeks: No refund</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fees</th>
<th>Fees are not refundable after the first week of classes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room and Board</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Room and Board</th>
<th>Minimum dormitory rental charge: $ 100.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residence between two and thee weeks: 60% of charge</td>
<td></td>
</tr>
<tr>
<td>Residence between three and four weeks: 40% of charge</td>
<td></td>
</tr>
<tr>
<td>Residence between four and five weeks: 20% of charge</td>
<td></td>
</tr>
<tr>
<td>After five weeks: No refund</td>
<td></td>
</tr>
</tbody>
</table>

No refunds given without proper dorm checkout form.

January Term refunds

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Full refund of tuition &amp; fees through second day of classes.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January, third day of classes: 75% of total tuition</td>
</tr>
<tr>
<td></td>
<td>January, fourth day of classes: 50% of total tuition</td>
</tr>
<tr>
<td></td>
<td>January, fifth day of classes: 25% of total tuition</td>
</tr>
<tr>
<td></td>
<td>January, after first week of classes: No refund</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Room and Board</th>
<th>Minimum charge—January withdrawal: $ 40.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum of $100 in returned coupons upon withdrawal before January 1. No refunds for off-campus courses or tours other than 10% up to $25 maximum of returned coupons.</td>
</tr>
</tbody>
</table>
Office offers its services in finding placement services. The Placement Office has a variety of off-campus jobs available. In addition to campus employment, these jobs are available to any student currently enrolled in Grand Canyon College. The Placement Office offers its services in finding placement: secretaries, switchboards, and other secretarial positions. Numerous jobs such as janitors, custodians, bookkeeping assistants, and other similar jobs are available for part-time employment. Every effort is made to assist a student in obtaining part-time employment.

PART-TIME EMPLOYMENT AND WORK STUDY

Package: The Financial Aid Office offers its services in finding placement: secretaries, switchboards, and other secretarial positions. Numerous jobs such as janitors, custodians, bookkeeping assistants, and other similar jobs are available for part-time employment. Every effort is made to assist a student in obtaining part-time employment.

FINANCIAL AID AND EMPLOYMENT

No refund is given without a proper dorm check-out form.

After 7 days
25% of charge
Residence-6-7 class days
Room
Board
Fees

75% of charge
Residence-1-3 class days

Fees are not refundable after the first week.

After 7 days
25% of tuition
Attendance-6-7 class days
Tuition

50% of tuition
Attendance-4-5 class days

75% of tuition
Attendance-1-3 class days

Registration without attendance (minimum charge) $ 100

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

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

Education Placement Services are available through the College of Education. This office serves Graduates and Fifth Year students who have completed the Teacher Education Program at Grand Canyon College. Correspondence should be addressed to the Director of Education Placement.

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

MINISTERIAL GRANTS

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

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

Applicants are due by August 1 for Fall semester and January 1 for Spring semester. Applications may be acquired at 400 W. Camelback Road, Phoenix.
The student has reached the age of 19.

A short-term loan may be obtained to make a more permanent loan available. A student may require a minimum of $1000.

Loan Funds Admin-

A Short-Term Loan is available for educational expenses.

The current rate is 6% per annum.

Payment begins at the time the repayment

The repayment

period starts.

A Short-Term Loan is available for educational expenses.

The current rate is 6% per annum.

Payment begins at the time the repayment
period starts.

A Short-Term Loan is available for educational expenses.

The current rate is 6% per annum.

Payment begins at the time the repayment
period starts.

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period starts.

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period starts.

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period starts.

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The current rate is 6% per annum.

Payment begins at the time the repayment
period starts.

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The current rate is 6% per annum.

Payment begins at the time the repayment
period starts.

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period starts.

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Payment begins at the time the repayment
period starts.

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period starts.

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period starts.

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Payment begins at the time the repayment
period starts.

A Short-Term Loan is available for educational expenses.

The current rate is 6% per annum.

Payment begins at the time the repayment
period starts.

A Short-Term Loan is available for educational expenses.

The current rate is 6% per annum.

Payment begins at the time the repayment
period starts.
Adair Loan Fund. This fund, made available by Mr. and Mrs. Oliver Adair, is restricted to freshman men or women with grade averages of “C” or above. Interest is 6% per annum after the borrower terminates connection with Grand Canyon College.

Anonymous Loan Fund. An anonymous contributor established a fund for loans to be made to ministerial students in need. Interest is 6% per annum from the date of the loan.

AWARE Loan Fund. The applicant must be enrolled in a minimum of 12 hours in day or evening school and regularly attending classes, must establish need for the loan, and must be a member of the campus chapter of Adult Women’s Active Return to Education (AWARE).

Lt. Stephen A. Beck Student Loan Fund. This fund, provided by Dr. and Mrs. Roland L. Beck, is available to senior students who have maintained at least a “C” average each semester while attending Grand Canyon College. Interest is 3% per annum from the date of the loan.

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

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

The Katherine Brooks Loan Fund. This fund was established by Mr. and Mrs. Troy E. Brooks. Its purpose is to assist worthy young ladies in the junior or senior
Memorial Loan Fund
This fund, provided by Mr. and Mrs. Gertz, is available to students who have demonstrated prominence in scholastic achievement, dedication to their studies, and an overall sense of responsibility and accountability to their academic pursuits. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

Student Loan Fund
This fund, provided by Mrs. and Mr. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

Barbara Sandra Gertz
from the date of the loan.

Memorial Loan Fund
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

Bessie Fleming Student Loan Fund
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

First Southern Baptist Church Student Loan Fund
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

Navajo Loan Fund
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

Arizona Student Loan Fund
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

First Baptist Church Ajo
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.

Memorial Student Loan Fund
This fund, provided by Mr. and Mrs. H. B. and Mabel Vaughn, is available to students who have demonstrated strong academic achievements. The fund is designed to provide financial assistance to students who have earned academic excellence in their chosen fields.
prospective students of Grand Canyon College. Interest is 3% per annum from the date of the loan.

Wiley and Mary Trust Loan Fund. This fund, made available by Mrs. Vernon Miller Burrow in memory of Wiley Newton Kelly and Mary Jane Lancaster Kelly, parents of the donor, is available to any student in need of a loan. There is a $.25 service fee for this loan. The amount of the loan cannot exceed $25.

SCHOLARSHIPS, GRANTS, AND GRANTS-IN-AID

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

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

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

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

Students on probation are not granted scholarships or any type of grant from the college except that a freshman admitted from the third quartile may, under certain circumstances, be given special consideration. (Subject to amendment relative to athletes.)
ROTC Scholarships

The activity, instruction of faculty, or staff which they usually will see or write about if they wish to apply for scholarships which are available in the ROTC programs at Grand Canyon College.

Scholarships are available in the ROTC programs at Grand Canyon College.

Grants-in-aid

Scholarships at Grand Canyon College include grants-in-aid, which are awarded to students who meet specific academic criteria.

Music

Scholarships are available for students who demonstrate exceptional talent in music.

Art, Drama, Speech

Scholarships are available for students who demonstrate exceptional talent in the arts, drama, and speech.

Special Abilities Scholarships

Scholarships are available to students who demonstrate exceptional talent in areas such as athletics, music, art, drama, and speech.

Academic Scholarships

Academic scholarships are available to students who demonstrate exceptional academic achievement.

Financial Information 35
while on scholarship status. All students not on ROTC scholarship but enrolled in the last two years of ROTC also receive the $100 allowance. For information contact the Air Force or Army ROTC detachments at Arizona State University.

Endowed Scholarships

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

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

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

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

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

The Henry and Dollie Brice Memorial Scholarship Fund was made available by Mr. and Mrs. Guy Stoker of Snyder, Texas, in memory of Mrs. Stoker's parents.

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

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

The G.D. Crow Memorial Scholarship was established by Mrs. Hilton Jones Crow, family and friends in memory of this faithful Christian layman of Tucson. This endowed fund
Alumni Association of Grand Canyon University is pleased to announce the establishment of a memorial scholarship in honor of Mrs. David H. Eason on the occasion of his 80th birthday.

The David H. Eason Memorial Scholarship is an endowed fund which provides an annual award to a qualified graduate student in memory of Mr. Eason, a Christian and a devoted member of the university community.

Friends, family, and associates of Mr. Eason have contributed generously to the establishment of this scholarship, which will benefit a student enrolled in any field of study.

The scholarship is administered by the Alumni Association and is available to students attending Grand Canyon University.

Applications for the scholarship are due by October 1st and the recipient will be announced in November.
Canyon College in memory of the late Dr. William R. Hintze, president of Grand Canyon College from April 1973 to November 1977. The Alumni Association adds to the principal annually.

**The William R. Hintze Memorial Presidential Grant.** This memorial fund was established by Mrs. Barbara L. Hintze and others in loving memory of Dr. William R. Hintze, president of Grand Canyon College from April 1973 to November 1977. The earnings from this endowment are to be used annually by the President of the College to help a needy student.

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

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

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

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

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

**The Lowell B. Parker Ministerial Scholarship Fund.** This scholarship fund was initiated by Dr. Joyce Parker, honoring her husband on their 25th wedding anniversary in 1971. The fund is a permanent endowment scholarship for the benefit of ministerial students with financial need.

**The Carl Paetz Memorial Scholarship** is an endowed scholarship provided by the wife and sons of the late Carl Paetz of Muscatine, Iowa, and Scottsdale, Arizona. The award is available to a qualified business major or minor.

**The Joyce Daily Parker ASTD Award.** The Joyce Daily Parker ASTD Award was established by Valley of the Sun Chapter, Inc. of the American
The Roy F. and Helenium H. Roemer Fund is a permanently endowed scholarship fund. The fund was established in 1972 by Dr. and Mrs. Carl Roemer. The fund was made available by the Roemers to provide scholarships for business majors in need of financial assistance. The fund is in place to provide scholarships for business majors in need of financial assistance. The fund is made available by the Roemers. The fund is a permanently endowed scholarship fund. The fund is in place to provide scholarships for business majors in need of financial assistance. The fund is made available by the Roemers. The fund is a permanently endowed scholarship fund.

The Committee.

Scholarships are awarded by The Financial Aid Committee. The committee is responsible for providing scholarships to eligible students. The committee is responsible for providing scholarships to eligible students. The committee is responsible for providing scholarships to eligible students.

The Edward W. Pollarock Business Scholarship.

The Edward W. Pollarock Business Scholarship is awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.

The Jerry D. Simithy Scholarship.

The Jerry D. Simithy Scholarship is awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.

The C.F. and Thelma B. Smith Ministerial Scholarship.

The C.F. and Thelma B. Smith Ministerial Scholarship is awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.

The Jean Reegan Business Scholarship.

The Jean Reegan Business Scholarship is awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.

The Mark D. and Bonnie Jean Reegan Business Scholarship.

The Mark D. and Bonnie Jean Reegan Business Scholarship is awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.

The Robert Pickering of Proctor Scholarship.

The Robert Pickering of Proctor Scholarship is awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.

The Valley of the Sun/ASTD Development Program Director Scholarships.

The Valley of the Sun/ASTD Development Program Director Scholarships are awarded to students majoring in business who have demonstrated good academic work and are in need of financial assistance.
Helen Youngs Memorial Fund. The income from an endowment provided by relatives and friends of Helen Youngs is available to a woman student.

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

Grants from Private Businesses and Organizations

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

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

Tuition Grants

Pell Grants. A grant program financed by the federal government. Special application forms are available from high school counselors or the College Office of Financial Aid. The completed form should be mailed to the address indicated thereon.

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

President’s Grant. The President of the College may recommend grants to qualified students, based on their need and potential.

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

Work Grants

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

THE TRIBUTE FUND

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

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

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

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

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

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

In anticipation of a continuing commitment to the general purpose and specific objectives of Grand Canyon College as stated elsewhere in the catalog and to the spirit of the College which has prevailed since its founding, the student body, the faculty, the administration and staff, and the board of trustees affirm their dedication to fostering those activities which will aid in fulfilling the special responsibilities and commitments of Grand Canyon College and further pledge themselves to discourage and, if necessary, prohibit activities which might interfere with the fulfillment of the ideas and programs of the College.
No property belonging to the College or to other students may be altered or removed without the permission of the Dean of Students.

The University is committed to providing a safe and welcoming environment for all students. Violations of these standards will be addressed through a fair and impartial process. Any student who violates these standards will be subject to disciplinary action, which may include, but is not limited to, suspension from the College or any College of the University in accordance with the College's policies.

Any meeting of any activity or organization on or off campus, both on and off the University's property, is subject to the standards of the College. The use of tobacco and alcoholic beverages is prohibited on or off campus. Any student who violates these standards is subject to disciplinary action, which may include, but is not limited to, suspension from the College or any College of the University.

The administration and faculty of the College ensure that all students are familiar with the Code of Conduct and are expected to adhere to these standards.

Grand Canyon University

Conduct

Student Life
STUDENT DRESS

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

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

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

RELIGIOUS LIFE

Emphasis is placed not only upon the training of the body and the mind, but also upon the development of moral and religious values. In chapel programs, in classroom discussions, and in every relationship where the occasion arises, it is in accord with the policy of the College that the value of Christian living be upheld. Students are encouraged to join local churches of their own faiths and to participate regularly.
Executive Council. The student council, comprised of the student body, consists of the Senate and the various executive committees. The student Senate is the governing body of the Associated Student Government and is made up of elected representatives of the student body. The Senate meets weekly to discuss and decide on matters affecting the student body.

Organizations

The funding of organizations is handled by the College Business Office. All student organizations are required to deposit a minimum of $500 in the College Business Office. This deposit is held as a guarantee for the proper use of the organization's funds. The organization must submit a budget to the College Business Office, which is reviewed by the College Business Office and the President's Office. The organization is then assigned a budget for the semester.

Eligibility for Activities

All students are eligible for participation in campus activities. However, students must meet certain requirements to participate. These requirements include maintaining a minimum GPA of 2.0 and attending a minimum of 10 meetings per semester. Students who are not in compliance with these requirements may have their participation revoked by the College Business Office.

Chapel Attendance

Chapel attendance is mandatory for students. Each semester, a chapel service is conducted each week to emphasize the spiritual, cultural, and intellectual growth of the community. The chapel service is held on Tuesday mornings at 9:00 a.m. and Wednesday evenings at 7:00 p.m. The chapel service is open to all students and is an opportunity for reflection and spiritual growth.
three appointed justices, completes the organizational structure of the ASGCC.

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

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

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

**STUDENT CLUBS**

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

**Departmental and Professional Clubs**

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

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

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

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

**International Students Organization** provides international students an opportunity to become friends with others who are making cultural, social, and academic adjustments necessary to successful completion of their studies in the United States. Students are encouraged to share accurate information about their own countries and cultures through monthly meetings, social activities, and campus interaction. Eligible members are those attending on student visas, or other students who have lived or studied abroad for an extended period of time.
proportion of the student body. The purpose of these organizations is to promote excellence in academic, professional, and social activities for all women students.

**Women's Recreation Association**

The Women's Recreation Association organizes programs and events to provide a variety of recreational opportunities for students to explore international missions and address current issues.

**Student Nurse Association**

The Student Nurse Association promotes the interests of nursing and addresses current issues in the College of Health and Social Sciences.

**National Education Association**

The National Education Association promotes the interests of education professionals.

**Music Educators National Conference (Grand Canyon College Chapter)**

The Music Educators National Conference provides opportunities for professional development and collaboration among music educators.

**Phi Beta Lambda**

Phi Beta Lambda promotes leadership and professionalism in the field of business.

**Pierce College**

Pierce College is a club with a history of promoting school spirit. It has been around since the 1950s and serves as an honorary fraternity, promoting excellence in academics and leadership. The club organizes various activities, such as social events and community service projects.
Iota Phi is a scholastic and service honorary society for freshman women.

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

Religious Organizations

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

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

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

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

HONORS AND SPECIAL RECOGNITION

Honors Day Each year a day is designated for a special assembly and other appropriate activities to recognize the achievements of students who have won distinction in academic pursuits or in student leadership. Ordinarily included in the recognitions are students in one or more of the following categories: Ray-Maben Scholars, students on the Honor Roll and Dean's List, department fellows, junior class marshals, and students named for the current year in Who's Who in American Colleges and Universities.

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

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

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

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

Honor Roll and Dean's List. At the close of each semester, the
The Pierson Award is given annually to outstanding business student recommended by the Business Department and approved by the Dean of Business. Special duties privileges for students whose average is 3.50 or above, quality for students whose grade point average is 3.25 or above, and a senior English major to be attained. The award is given to students who have the highest scholarship who pass the highest scholarship and the junior or senior English major to be attained. An appropriate gift to the senior, each spring. Pierson Award, The.

The usefulness in society, the promise of future success and prominence of future activities, citizenship, and with outstanding records of seniors recognized each year. This honor.

The Wall Street Journal Award is a one-year award included in the Wall Street Journal. It is open to students who have the highest scholarship who pass the highest scholarship and the junior or senior English major to be attained. An appropriate gift to the senior, each spring. Pierson Award, The.

These students are described on honor students and described on honor rolls. The Dean’s List is honor students. Those students whose grade point average is 3.50 or above, quality for students whose grade point average is 3.25 or above, and a senior English major to be attained. The award is given to students who have the highest scholarship who pass the highest scholarship and the junior or senior English major to be attained. An appropriate gift to the senior, each spring. Pierson Award, The.

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STUDENT PUBLICATIONS

The Antelope  The student handbook is published by the Office of Student Development. It makes available detailed information concerning rules and procedures for approved student activities.

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

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

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

ACTIVITIES

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

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

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

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

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

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

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

Contracts of orders involving money, Business Office. The President shall approve all business orders and all checks shall be issued by the Business Office and all checks shall be deposited in the College.

3. All funds shall be deposited in the College.

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

5. Only students of this institution can participate in the intercollegiate or interscholastic programs. (See page 45 for eligibility rules.)

I. Only students of this institution are allowed to participate in more semester hours of work shall be allowed to graduate in a regular program. The purchase of the College will be a credit to their institution and that it will be a

In order to be assured that the college will

The games of others.

their bodies by participating in games or by watching activity and around to an interest in the development of their own physical growth, most of them were therefore, do not see the intercollegiate contests for college athletics. While it usually happens that those
college exercise more than athletic and other activities, however, much mind and soul, perhaps nothing is required for graduation. Physical education activity are semester hours of credit in two programs of the College. Two

The physical education activity

Physical Education

required for graduation.
The dormitories offer attractive and comfortable housing and are governed by Resident Directors. Each hall is supervised by a Resident Assistant and a council representing all the halls. Students are expected to be quiet and orderly in the dormitory and thoughtful of the rights of others.

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

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

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

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

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

The minimum course load for a dormitory resident is stated on page 68.

**FOOD SERVICE**

The College cafeteria provides well-balanced meals. All residents of the dormitories are required to buy meals through the College food services’ meal plans. Other persons may buy meals on an individual basis or may purchase meal coupons. The cafeteria is closed during the Thanksgiving, Christmas, and Spring holidays.

Light lunches and refreshments are also available in the Cafeteria.

**HEALTH SERVICE AND HEALTH RECORDS**

The College retains the services of a physician on a part-time basis. He is assisted by a graduate nurse employed by the College, who also maintains files on student health certificates and records.

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

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

All appointments with the College Physician must be made through the College Nurse. A student who wishes to retain a physician other than the College Physician is at liberty to do so. Every student is personally
Counseling and Retention
Student Development Arranges community. The Office of Counseling Service in the College seeks to provide a service to the student. In addition, students who need counseling may be referred to a certified counselor beyond the capacity of the College.

COUNSELING SERVICE

Medical and hospitalization insurance. Students are required to carry medical and hospitalization insurance and must be submitted. All uninsured students are encouraged to have it.

Medical and hospitalization insurance is available at a cost of approximately $100 per semester. All students living on campus. If the record is not on file, a new medical report is submitted. If the report is still on file, in the Health Center at Grand Canyon College, the report is reviewed every year. Any student who does not live in the dormitory for a period of one year or longer must have a health statement from his medical doctor. If the student fails to furnish a satisfactory health statement, he may be required to withdraw from school.

Medical and hospitalization insurance must be submitted.

To enter or re-enter, a certificate before being permitted to enroll.

Dentists must be provided at the college.

A student with service connections has priority for service.

The time of such participation, being permitted to participate in

Examinations will be read by the College Physician before

An athlete must be approved by the College Physician before

Responsible for all his medical costs.
TUTORING

In an effort to offer academic support to any student attending Grand Canyon College, the services of trained tutors are made available. The tutors, besides having strong skills in their particular academic disciplines, are also trained in test-taking techniques, study skills, time management and interpersonal relationship skills. A fee is charged once a tutor has been assigned—this assures two one-hour tutoring sessions per week and shows good faith on the part of the student. The fee goes into a fund which provides small stipends for the tutors. Arrangements for a tutor may be made through any teacher, advisor, or one of the Tutor Program Directors.

PLACEMENT SERVICE

The College maintains a placement office which assists students in securing on campus and off-campus employment while in school and positions in the business and professional community after graduation. See page 29 for further information about the service and fees.

TRADITIONAL EVENTS

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

In the picture
Put yourself

Grand Canyon College
College of Nursing or
Paramedical

Full swing in

Lope Letter

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

and Procedures
Admission Policies
GENERAL REQUIREMENTS

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

An applicant must be at least 16 years of age.

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

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

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

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

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

Any student admitted under special conditions may be required to modify his program of studies to include special courses. (See Provisional Status, page 71.)

Applicants must supply all records listed under the admission procedures detailed later in this section.
General Examination scores after July 1969, for those examinations completed.

For those examinations currentlyProgram, Credit will be given only for completion of the General Examination in the major fields of study. Students who scored 3 or 4 on the General Examination Board are given advanced placement examination credit.

Advanced Placement Examination —

Canyon College students who have earned 4 hours of college credit, up to 2 hours of general examination credit, and are not for a course currently offered at the student's home institution, may be given advanced placement credit for appropriate college

College Level Examination Program (CLEP).

Dean.

Dean of the Academic and the Academic Coordinator and the departmental requirements are considered placement welcome the students who have earned college credit. Credit will not be awarded credit. It will be given only for completion of the general examination board. Students who scored 3 or 4 on the General Examination Board are given advanced placement examination credit.

ADVANCED PLACEMENT

School requirements during this school year. Credit will be given only for completion of the general examination board. Students who scored 3 or 4 on the General Examination Board are given advanced placement examination credit.

Early Admission to College

Highly recommended

Awareness and Portfolio Language

Courses in the Fine Arts, Computer

2

Science (two laboratory courses)

2

Social Studies (one in American History)

3

Advanced Mathematics with one

Mathematics (Algebra I, Geometry, and one

English

Units

Minimal high school units:

It is recommended that entering freshmen present the following

HIGH SCHOOL UNITS RECOMMENDED

Admission Policies and Procedures
General Examinations: (1) English Composition (610), (2) Humanities (500), (3) Mathematics (500), (4) Natural Sciences (500), (5) Social Sciences (500), (6) General Examinations in English taken after October 1986, (500).

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

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

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

Those interested should secure further information from the Academic Dean.

ADMISSION OF FRESHMEN

Applications for admission for the Fall semester should be on file in the Registrar’s Office prior to August 1. For the Spring semester the application should be on file prior to January 1, and for the Summer, prior to May 1.

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

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

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

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

1. An application for admission along with a $15 non-refundable application fee.
2. Score report for either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). These examinations are offered on a regular basis throughout the country and in several locations overseas. The test should be taken as early as possible during or after completion of the junior year in high school. Only those score reports received directly from the
education, transcripts received or institution of higher
gained their record of any
are never permitted to disuse.

Canyon College General

Graduation. (See page 80.)

A transfer student must have an application for
Priority Examination and be classified as a senior
eligible to be classified as a senior
Registrar.

Before enrolling, transfer
registrars and letter transcripts
not file ACT scores or high school
12 semester hours in college need
who has satisfactorily completed
required for admission. One
completion (preparation phase). One
required under admission of
another college must file all forms

A student transferring from

ADMISSION OF TRANSFER STUDENTS

Record and Physicican's statement,
certificates, including health
means will be made when all
Final dormitory room assignment
are received.

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

exit from school.

school transcripts showing all work completed prior to their
Applicants entering with a C.D. should submit high
and the final numerical rank in class.
acceptable. The transcript must show the date of graduation
school. Transcripts are mailed or provided by the applicant are not
3. A high school transcript sent directly from the high
Applicants entering with a C.D. must have been in
office of the Registrar's Office at Grand Canyon College.

Detailed information for ACT and SAT programs may be

individually selected areas of the ACT, SAT, or ACT
and the 97th percentile in each of the
which rank in the

Scholastic Assessment Test (SAT) is 431.

residence agency will be accepted. The Grand Canyon College
elective credit in technical courses may be accepted toward a degree.

A Guide to the Evaluation of Educational Experiences in the Armed Services is used in evaluation work submitted as a result of service in the armed forces. Credit will be granted only for work in the liberal arts areas. No technical credit will be accepted. All work will be considered lower division.

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

The College does not recognize credit for “life experiences.”

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

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

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

A maximum of 30 hours of credit by examination, extension, and correspondence work, including not more than 12 hours by correspondence, may be accepted for credit toward graduation. The regulations concerning credit for extension and correspondence work are stated on page 73 of the catalog.

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

Students who have been asked to withdraw from another college because of poor scholarship or for any other reason are considered for acceptance only if the period of suspension set by the former institution has elapsed or the college from which students were asked to withdraw reinstates them. During their first semester they may, upon recommendation of the Academic Dean or the Academic Affairs Committee, be required to withdraw if this appears to be in the best interest of the students and/or the College.
ADMISSION OF INTERNATIONAL STUDENTS

Supply additional health data when one year is not required because of interrupted for a period of less than one year. A student whose English is not the primary language is required to take an English proficiency test before admission.

A student who withholds for more than one year of any Grand Canyon College must be physically present on campus and plans to live in campus housing within one year of return. A student who has been out of residence must be physically present on campus and plans to live in campus housing within one year of return.

READMISSION

Nursing: Pursuing a Bachelor of Science in Nursing is applicable only if a student has completed the Associate of Arts (AA) degree in Applied Science, with a concentration in Nursing. Students who have completed the AA degree in Applied Science, with a concentration in Nursing, are eligible to apply to the College of Education section for the certification program. General education requirements for the Associate of Arts degree are completed at a four-year institution and are specific to the major field of study. Only those Associate of Arts degrees from accredited community colleges are accepted.

DIRECT TRANSFER PLAN

Grand Canyon College accepts a portion of the College of Education section and the certification program. Grand Canyon College requires at least 6 hours of English 1097, English 1097. For foreign students whose English is not the primary language, English proficiency is required before admission.

In cooperation with the National Association of Foreign Student Advisors, an Inter-Student Advisory has been established at Grand Canyon College. Student advisors are available to assist international students with their needs.

3300 W Camelback Rd, Phoenix, Arizona 85019.
a Foreign Language (TOEFL). One may write to TOEFL, Box 899, Princeton, New Jersey 08540, USA, for test application.

Prospective students must also furnish evidence of full financial support while in college. A minimum of $11,000 for each year of study, exclusive of travel and vacation expense must be certified. A minimum deposit of $1,500 must be made before the I-20 needed for a student visa can be issued. This deposit, less application fee of $15, will be refunded upon written request if the student is unable to enter.

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

**ENTRANCE EXAMINATIONS**

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

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

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

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

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

International students are referred to above section, Admission of International Students.
Honors Study Program
Privileges
Honors Students Audits
Independent Study
Special Courses by
 Concurrent Enrollment
 Comprehensive Examination
 Extension Credit
 Correspondence and
 Examination Exemption
 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
 Course Load
 Honors Points
 Grading System and Quality
 Order of Taking Courses
 Classification of Students
 Numbering of Courses
 Definition of Semester Hour

Regulations
General Academic
DEFINITION OF SEMESTER HOUR

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

NUMBERING OF COURSES

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

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

Courses from 100 to 199
Courses from 200 to 299

Courses from 300 to 399
Courses from 400 to 499

\{ Lower Division \}
\{ Upper Division \}

CLASSIFICATION OF STUDENTS

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

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

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

Students are classified as seniors when they have earned a minimum of 90 semester hours of credit.

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

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

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

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

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior; extraordinary scholarship; outstanding performance</td>
</tr>
<tr>
<td>B</td>
<td>Far above average; unusually good work; conforming to standard acceptable college work</td>
</tr>
<tr>
<td>C</td>
<td>Passing; but below standard acceptable college work</td>
</tr>
<tr>
<td>D</td>
<td>Failure or unsatisfactory work; withdraw (see note below)</td>
</tr>
<tr>
<td>F*</td>
<td>Incomplete (see note below)</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn; no credit</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete; lack of attendance</td>
</tr>
<tr>
<td>P</td>
<td>Course currently in progress for credit; not reported by instructor</td>
</tr>
<tr>
<td>N.R.</td>
<td>Credit or non-credit course</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory completion of audit or non-credit course</td>
</tr>
<tr>
<td>CR</td>
<td>Credit given, but no grade or quality points</td>
</tr>
<tr>
<td>U</td>
<td>Incomplete; leave of absence</td>
</tr>
<tr>
<td>IP</td>
<td>Irregular semester; otherwise the Grade becomes an F*</td>
</tr>
</tbody>
</table>

**Note:** When a Grade of “I” is given, the student must complete all necessary work before the end of the next period. When a Grade of “F*” is given, the student must complete course requirements before the close of the grading term or semester only when seriously extenuating circumstances prevent a student from completing the course. An Incomplete Grade will be given at the end of a term or semester only when seriously extenuating circumstances prevent a student from completing the course requirements. When a Grade of “U” is given, the student must complete all necessary work before the end of the next period.
Averaging of Grades

For the purpose of computing grade point averages, grade points are assigned as follows: “A,” 4 points for each semester hour; “B,” 3 points; “C,” 2 points; “D,” 1 point; “F,” 0 points. Other grades are not included in grade point average (GPA) computations. To calculate the GPA, semester hours for each course are multiplied by the grade points for that grade. The sum of these products is divided by the number of hours which carry “A,” “B,” “C,” “D,” and “F” grades. The GPA is based only upon work taken in residence at Grand Canyon College.

Withdrawal Grade

The grade of “W” will be given only when a student has officially withdrawn from the course prior to the penalty date as stated in the current semester bulletin. To withdraw officially from a course, a student must obtain necessary forms from the Registrar’s Office, secure all required signatures, and pay any withdrawal (drop) fees in the Business Office. Withdrawals (drops) are considered official as of the date the student files a completed withdrawal form with the Business Office. Failure to follow these procedures will result in a grade of “F.”

Administrative Withdrawal

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

Leave of Absence

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

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

Procedure for obtaining LOA:

1. Provide Registrar’s Office with written request which is documented with physician’s recommendation.
2. Secure LOA request form from the Registrar’s Office.
In order to qualify for a specific honor, students must meet or exceed the GPA requirement for their
degree.

3.8 to 4.0 GPA qualifies for Graduation summa cum
laude.

3.6 to 3.8 GPA qualifies for Graduation magna cum
laude.

3.4 to 3.6 GPA qualifies for Graduation cum laude.

Graduation by maintaining one of the following grades

Students who have earned at least 60 hours at
Grand Canyon College may qualify for honors at


**ACADEMIC HONORS**

**Appeal of Grade**

For grade changes must be made within one year.

Appeals before the appeals will be considered. Appeals
will be submitted to the Academic Affairs Committee.

**Appeal of Change**

A grade change form, a copy of which will be mailed to the
student, must be submitted by the instructor in

**Credit Grade**

Courses taken for no-credit (auditor) earn a grade of

**Audit Grades**

4. Eligibility received and determined by

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

**Other Honors**

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

**COURSE LOAD**

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

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

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

Students may not register for more than 18 hours except upon recommendation of their advisor and permission of the Academic Dean.

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

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

1. Students who have employment other than school work should not take more than 15 hours of college work.

2. Students working 20 hours or more per week who do not show satisfactory progress at the end of the first grade period may be required to reduce their work schedule or their course load.

**UPPER DIVISION REQUIREMENT**

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

A student who officially withdraws from all courses must secure an official withdrawal form from the Registrar's Office and obtain all signatures indicated on the form. A student may wish to audit a course for a grade of "P" only. Students may take a course for credit which they have previously taken as an audit course. A student may not change from a letter grade of "P" to credit after the last day for withdrawal. Students may change from a letter grade of "P" to credit through the last day in the semester when a course may be dropped without penalty, by written request to the Registrar. Students may not change from a letter grade of "P" to credit, with written consent of the instructor, in any course.

Under certain conditions a student may wish to audit a course.

Withdrawing from All Courses

A student who officially withdraws from all courses must notify the Registrar's Office. The Registrar's Office and obtain all signatures indicated on the form. A student who officially withdraws from all courses is not permitted to drop a course after the last day for withdrawing (see academic calendar).

Dropping of Courses

Refunds are determined on the Academic Schedule of Charges in class. The Registrar of Academic Dean, and the Business Office may certify that course is completed without the credit registration, no change in course.

Change of Courses
GRADE REQUIREMENTS

For graduation students must present a minimum of 128 semester hours of credit and a grade point average of 2.00 for all courses attempted at Grand Canyon College. At least 45 hours must be upper division credit.

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

Students must also have a “C” average (2.00 GPA) in their majors and may not count toward their major any course with a grade below “C.”

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

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

REPEATING OF COURSES

A grade of “F” may be removed only by repeating the course at Grand Canyon College.

A student may be permitted to repeat a course in order to raise an earlier grade of “D.” The last grade earned is considered the grade of record as it pertains to credit toward graduation.

ACADEMIC SUSPENSION

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

1.50 for Freshmen and Sophomores
1.75 for Juniors
2.00 for Seniors

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

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

ACADEMIC PROBATION

Students who are admitted from the third quartile of their high school graduating classes and whose ACT or SAT scores are below the 50th percentile are admitted on academic probation.

Students admitted on probation retain that status until they
CLASS ATTENDANCE

Prior to the instructors' attendance, students who are absent or tardy to class are expected to be
responsible for that student's instructor's attendance. The College believes that regular and punctual attendance
is critical to academic success.

ELEIGIBILITY FOR ACTIVITIES

Eligibility for extracurricular activities is based on satisfactory grade point average and/or the College's
discipline policies. A student may not participate in extracurricular activities if the student is
suspended, placed on academic probation, or a cumulative grade point average of 2.00 or
below. If any student does not maintain a grade point average of 2.00 or more, their attendance
will be reported to the College's disciplinary committee.

PROVISOINAL STATUS

A student on provisional status is not eligible for academic or athletic programs or
college activities. Students who have been placed on provisional status are subject to
disciplinary action. If a student fails to maintain a cumulative grade point average of 2.00 or
below, they will be placed on academic probation.

Students who maintain a cumulative grade point average of 2.00 are
eligible for academic and athletic programs. Students who do not maintain a cumulative grade
point average of 2.00 will be subject to disciplinary action.

For more information, please refer to the College's academic regulations.
requirements, the instructor may recommend to the Academic Dean that the student be administratively dropped from the course. If the student is administratively dropped, it will result in a grade of "W." No refunds are made for administrative withdrawals. Students may appeal administrative drops to the Office of the Academic Dean.

2. The student must notify the Office of Student Development directly when an absence from class of one week or more is unavoidable. The office will maintain a file on such reports available to instructors upon request. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Academic Dean.

3. To secure permission to make up work missed by absence, students must account to their instructors immediately after their return to class in the manner prescribed by their instructor.

4. Regular and punctual attendance may be considered in assigning grades.

5. Class attendance records are effective as of the first day of class meetings in each semester. Students who register late are counted absent for each class meeting already missed.

PERMISSION TO TAKE EXAMINATIONS LATE

Under certain conditions students may be permitted to take a major examination which they missed. In all such cases students must account to the instructor for their absences and must present a receipt from the Business Office showing payment of the necessary fee (see page 25).
Procedures

1. Obtain an Application for Credit by Examination.

Students should:

a. Defect.

b. Correspondence may be applied toward a maximum of 30 hours credit by examination.

2. A student has already received credit for coursework in which the student is enrolled or for which the student is enrolled, then another credit for courses which is available.

3. Credit may not be for a course which is made during the first year of enrollment at Grand Canyon College.

Canyon College

4. Application for credit by examination must be made during the first year of enrollment at Grand Canyon College.

Limitations

The student’s performance in theaminion will be kept on file in Grades below “C” are not for credit. The student’s academic record is shown on credit. Grades will be shown on credit. Grades earned must be acceptable for the course. The course must be approved by the instructor and the administration.

The examination, as prepared by the weed is required by a department. Credit, within credit, may also be established by a department. The course is elected for a non-college credit that may also be established through the department in which it is taught.

Married students may

Comprehensive Examinations

The Department of Chairman of the Department of

Concurrent enrollment, the student shall meet all of the criteria for

Students planning enrollment within

Transfer of courses should be authorized by the appropriate College under certain conditions.

Credit for college level

Credit for any correspondence

Secondary extension courses, as well for examination, may be

Secondary extension courses, as well for examination, may not be

Correspondence and Extension Credit

General Academic Regulations
2. Complete the necessary information and obtain all necessary signatures.

3. Pay the $5 special examination fee in the Business Office and obtain their validation of payment.

4. Present the validated application to the instructor who will be responsible to prepare the examination.

5. Obtain the instructor's signature and final grade.

6. Return the application to the Business Office and pay the fee of $12.50 for each hour of credit awarded.

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

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

CONCURRENT ENROLLMENT

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

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

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

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

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

SPECIAL COURSES BY INDEPENDENT STUDY

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

**Independent Study**

Department number 499. Research, seminar, or readings and conference on a special topic to be selected by the student and faculty advisor. May be taken for one, two, three, or four hours, depending upon the amount of time and work involved. May be repeated for up to four hours total credit per subject area unless specified otherwise in requirements for a
Procedures

Students should:

1. Obtain Proper Special Study Form from the Registrar’s Office (the Office of the Registrar keeps
the records which indicate whether a student is eligible for a special study).

Conference and Reading

Students need a 2.00 GPA to receive credit for more than two courses by this conference. Normally, students will not be permitted to conference three courses, although the student must have a legitimate reason for seeking course credit through reading and conference. The student must have a conference with the Academic Dean. The conference reading and conference with the instructor, with any course listed in the catalog may be taken by

Chairman, and Academic Dean.

semester with approval of faculty advisor, department, and student. All students with a 2.00 GPA and may be taken any course is for upper division students experience. This course is for upper division faculty advisor in designating and evaluating the student’s experience in the student’s major area of interest. A minimum of 45 hours (maximum 60) of practical experience will be scheduled for each supervised practice. The experience must be arranged with an agency. The experience must be

Numbered 399 in each department, for one, two,

Chairman, instructor, and Academic Dean.

major. For upper division students with a grade point
2. Complete required special study form in conference with the instructor.

3. Obtain proper signatures.

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

HONOR STUDENT AUDIT PRIVILEGES

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

HONORS STUDY PROGRAM

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

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

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

- Specific Academic Programs
- Elective Courses
- Major and Minor
- General Studies
- Curricular Requirements
- General Requirements
- Choice of Major
- Second Degree
- Degrees Offered
DEGREES OFFERED

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

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

The Bachelor of Science degree is granted to majors in Accounting, Biology, Biology (Environmental Science emphasis), Biology (for secondary education), Business Administration (Business Education emphasis), Chemistry, Computer Science, Computer Science (Teaching emphasis), Criminal Justice, Elementary Education, Marketing, Mathematics, Music Education, Physical Education, Psychology, Public Administration, Science (Teaching emphasis), Special Education, Sociology, and Training and Development.

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

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

Liberal Arts majors not listed in the catalog may be arranged under the direction of the department concerned with the approval of the Academic Dean.

SECOND DEGREE

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

1. General Education requirements for the degree sought.

2. A major in a field not used as a major for the earlier degree (See specific major for number of hours required).

3. A minimum of 30 hours in residence (36 for those who have not met the 6-hour requirement in Bible) completed after the granting of previous degrees.

CHOICE OF CATALOG

A candidate for a degree may elect to meet the requirements for graduation as outlined in the catalog in effect at the time of his original matriculation, or those of any subsequent catalog. Students seeking certification to teach in Arizona must meet requirements in effect at the time of their graduation.
Basic English: The examination are required to register for EFW 100, part of English EFW 102. Students who do not pass the examination are given as competent in Writing. The examination is given as to the student's faculty make the final decision as to the student's department chairman. The various department chairmen in the college, who are members of the English faculty, read the essays. The questions provided by their major department, based on Writing Examinations, will then be evaluated. Writing proficiency college are required to pass a Writing Proficiency. Students who expect to graduate from Grand Canyon. Students must also have a "C" average (2.00) in Classification of Students. An average of 2.00. (See page 64.) A semester of term which they began with a grade of 2.00, indicating an average of "C" at the end of students are not permitted to graduate at the end of must be upper division credit. The total number of semester hours required for General Requirements for Graduation.

<table>
<thead>
<tr>
<th>Major in Grade</th>
<th>Average Grade Point Hours and Number of</th>
<th>Graduation Requirements for Graduation</th>
</tr>
</thead>
</table>

Graduation Requirements 79
Students who take freshman English elsewhere are required to take the examination during their first semester at the College. The examination may be taken twice; if a student fails the examination the second time, he must register for EEW 100 Basic English the following semester.

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

**Minimum Residence**

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

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

**Graduation with Honors**

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

**Correspondence and Extension Credit**

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

**Application for Graduation**

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

**Degree Plan**

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

For a job or graduate study, three courses are required: four years of 22 semester hours with the final year of the required courses being in one semester. This means that a student who suddenly decides to change his major must be able to meet the requirements for the major he wants to enter during that semester.

By May 1, Summer session. This must be held by the Registrar with the statement of intent to graduate in that semester.

1. Statement of Intent to Graduate in that semester.

2. Statement of Intent to Graduation requirements by August 1. However, with an asterisk to indicate that they may complete the requirements before the end of the summer session.


4. By May 1, receive their diplomas at their Summer session.

By May 1, receive their diplomas at their Summer session.

Those who have completed all requirements are eligible for graduation. Those who do not receive a diploma at the end of the summer session are eligible for graduation. The policy adopted by the Faculty requiring completion of the requirements by August 1 is outlined below.

1. Seniority: The policy of seniority to participate in commencement exercise is announced annually in May. In extreme hardship cases, a student may be excused but only when a written request is submitted by the Academic Dean.

A candidate for graduation is expected to attend
the student may concentrate in the field of major interest. The work for the entire four year program consists of (1) General Studies, (2) Major and Minor Subjects, (3) Elective Courses.

**GENERAL STUDIES**

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

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

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

Students in teacher education programs will follow the list appearing on page 109 under College of Education section of this catalog.

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

<table>
<thead>
<tr>
<th>BIBLE</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113</td>
<td>Old Testament History</td>
</tr>
<tr>
<td>BIB 123</td>
<td>New Testament History</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 101</td>
<td>Grammar &amp; Composition</td>
</tr>
<tr>
<td>EEW 102</td>
<td>Composition &amp; Literature</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HUMANITIES</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>No more than 3 hours in one area with the exception of Foreign Language</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literature</th>
<th>Theatre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>Art</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Music</td>
</tr>
<tr>
<td>Speech</td>
<td></td>
</tr>
</tbody>
</table>
FOREIGN LANGUAGE

residence.

1. Those who have taken one January
interim

course, in sequence, each year they are in continuing

2. Those who meet their graduation requirements as
essentially part-time students.

3. Those who have taken one January
interim

course, in sequence, each year they are in continuing

residence, with the following exceptions:

An interdisciplinary approach with emphasis on active

JANUARY TERM

39 hours

2 hours

PHYSICAL EDUCATION

GROUP I: Lab Sciences

GROUP I: Math, Computer Science, Any Statistics

At least one course from each Group

SCIENCE

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

SOCIAL STUDIES

Graduation Requirements 83
MAJOR AND MINOR SUBJECTS

By the beginning of their junior year students are required to select one subject area to be known as their major, in which they must present at least 30 semester hours of acceptable credit. In certain areas of study the number of hours required for a major exceeds 30. In any case, at least 12 hours must be of junior-senior rank. Students must also have a "C" average in their major and are not permitted to count in the major any course with a grade below "C." A candidate for a secondary teaching certificate must have a "C+" (2.50) average, or above, in the teaching major.

The student must also choose a minor in a subject area other than the major. The minor must consist of not fewer than 18 semester hours. Of these, six hours must be from courses of junior-senior rank. It is suggested that a student try to earn at least 24 hours in the minor to teach in that field. No minor is certifiable. Some majors do not require minors due to the extensive breadth of requirements for the degree. Such majors are so indicated in their descriptions later in the catalog.

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

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

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

ELECTIVE COURSES

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

A student may elect to take courses from the regular college curriculum offered in each department in addition to the courses which may be required in that particular area.

SPECIFIC ACADEMIC PROGRAMS IN RELATION TO DEGREES

It is assumed that in many instances students will not decide until the beginning of their junior year what their majors and minors will be. The suggestion is intended to encourage students to study in the widest possible variety of fields, in order that they may determine wherein their greatest interests lie. Attention should be given to lower division courses which are required in majors, or as prerequisites to upper division courses, that may be selected.

Suggested Program for Bachelor Degree Candidates

Following is a guide for an entering Freshman who has not yet decided on a major subject area. One may use this suggested program to assist in planning a course of study which will lead to a Bachelor's Degree.
Course prerequisites as stated in the catalog will be observed. The same academic department toward the degree (BNS, ACC, ECO & TD) are all in any one academic department will be acceptable work in a maximum of 21 hours of upper division work in courses. A minimum of 45 hours must be in upper division

128 hours

<table>
<thead>
<tr>
<th>General Studies</th>
<th>Electives</th>
<th>Courses Listed on Pages 82 and 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>89 hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>39 hours</td>
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<td></td>
</tr>
</tbody>
</table>

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

Will complete the following requirements:

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

**Requirements for the Bachelor of General Studies Degree**

* Students who elect to take a foreign language should adjust this plan to allow the classes which

**Major, Minor, Electives**

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>15</td>
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<td>3</td>
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</table>

**Junior Year**

<table>
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<tr>
<th>January Term</th>
<th>Fall Term</th>
<th>Spring</th>
</tr>
</thead>
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</tbody>
</table>

**Senior Year**

<table>
<thead>
<tr>
<th>January Term</th>
<th>Fall Term</th>
<th>Spring</th>
</tr>
</thead>
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</tbody>
</table>

**Sophomore Year**

<table>
<thead>
<tr>
<th>January Term</th>
<th>Fall Term</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>

**Freshman Year**

- Beginning student.
- Program of study for their selected department.
- Significant amount of outside coursework which generally require a
- Attention has been given to those Bachelor Degree in Four Years.

Graduation Requirements
Other Graduation Requirements
A minimum grade of "C" must be made in all Upper Division courses.

An overall grade average of "C" must be maintained.

The student must pass the Writing Proficiency Examination required of all degree candidates.

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

Special Conditions
Students who elect this program will sign a statement that they understand the Bachelor of General Studies degree may not be accepted for teacher certification, admission to professional schools, or admission to graduate schools.
<table>
<thead>
<tr>
<th>Department/College</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>10</td>
</tr>
<tr>
<td>College of Nursing</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>9</td>
</tr>
<tr>
<td>Performing Arts</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences and Humanities</td>
<td>7</td>
</tr>
<tr>
<td>Education</td>
<td>6</td>
</tr>
<tr>
<td>History, Social Sciences</td>
<td>5</td>
</tr>
<tr>
<td>Health and Physical Education</td>
<td></td>
</tr>
<tr>
<td>College of Education</td>
<td>4</td>
</tr>
<tr>
<td>Business and Economics</td>
<td>3</td>
</tr>
<tr>
<td>Descriptions</td>
<td>2</td>
</tr>
<tr>
<td>Departments and Course</td>
<td>1</td>
</tr>
</tbody>
</table>
Economics Courses

Courses:

Training and Development

Business Courses

Accounting Courses

Economics

Training and Development

Marketing

Business Administration

Accounting

Degree Requirements:

Department Description

College of Business
DEPARTMENT DESCRIPTION

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

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

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

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

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

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

DEGREE REQUIREMENTS - ACCOUNTING

Requirements for a major in Accounting

Students who wish to major in accounting should apply for acceptance into the program during the second semester of their sophomore year. In order to be accepted as an accounting major a student must have completed 54 semester hours, both semesters of Principles of Accounting and have earned a minimum GPA of 2.5.

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

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

* See course description
NOTE: Students who plan to go to graduate school should take MAT 270 Analytical Geometry and Calculus I, an admission requirement for many Graduate Schools of Business.

the business major.

when a minor in another business area is taken with a major in business, there is some duplication.

<table>
<thead>
<tr>
<th>Total</th>
<th>18 hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>3 hours</td>
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<td>Total</td>
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<td>6 hours</td>
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<td>6 hours</td>
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<td>9 hours</td>
</tr>
</tbody>
</table>

Academic and Institutional Accounting

ACC 435 Cost Accounting or ACC 423 Government

ACC 445 Income Tax Accounting

ACC 313, 323 Intermediate Accounting I & II

Managerial Accounting

ACC 214, 233 Principles of Financial and Management Accounting

Requirements for a Minor in Accounting

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

<table>
<thead>
<tr>
<th>Total</th>
<th>24 hours</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>3 hours</td>
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<tr>
<td></td>
<td>6 hours</td>
</tr>
</tbody>
</table>

Accounting courses:

Independent Study, Accounting Theory, Tax Research, or elective from Governmental and Institutional Accounting

CS 223 COBOL

ACC 435 Auditing

ACC 445 Income Tax Accounting

ACC 333 Principles of Financial Accounting

ACC 313, 323 Intermediate Accounting

<table>
<thead>
<tr>
<th>Total</th>
<th>39 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>3 hours</td>
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<td></td>
<td>3 hours</td>
</tr>
</tbody>
</table>

Business courses:

BUS 490 Business Policy

BUS 311 Business Ethics

CS 133 Introduction to Computer Science

BUS 414 Business and Technical Writing

BUS 383 Business Communications or

BUS 333 Principles of Marketing

BUS 343 Business Statistics

BUS 373 Principles of Management

BUS 353 Business Law

BUS 323 Business Finance

BUS 214 Survey and Principles of Economics

ACC 213, 223 Survey and Principles of Accounting

ACC 214 Principles of Financial Accounting

Business Core for Accounting:

Courses required for the accounting major:

College of Business and Economics
# Degree Requirements - Business Administration

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

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

* See course description

Requirements for a minor in Business:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 214 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213 Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 353 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 323 Principles of Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS 373 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 393 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18 hours</strong></td>
</tr>
</tbody>
</table>

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

# Degree Requirements - Marketing

Requirements for a major in Marketing

Business Core: (See above)  
Total 48 hours

Marketing Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 331 Sales and Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 341 Advertising Principles</td>
<td>3</td>
</tr>
<tr>
<td>BUS 391 Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BUS 421 Retail Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 431 Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 441 Marketing Research</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18 hours</strong></td>
</tr>
</tbody>
</table>
DEGREE REQUIREMENTS - TRAINING AND DEVELOPMENT

Calculus I, an admission requirement for many Graduate Schools of Business.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Upper Division Electives in Marketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>BUS 393 Principles of Marketing</td>
</tr>
<tr>
<td>3</td>
<td>ECO 213 Survey in Economics</td>
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<td>3</td>
<td>ACC 214 Principles of Accounting</td>
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<tr>
<td>3</td>
<td>BUS 102 American Business/Free Enterprise</td>
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</table>

Requirements for a minor in Marketing:

Students desiring a career in the Marketing area should elect courses in Psychology, Design, Art, Journalism, Music, and Literature.

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

Great need for training and development personnel to assist in business and industry, there is a training program for employees now taking training degrees in this field. Because of thousands of hundreds of thousands of graduates in this field, because
COURSE OF STUDY FOR A B.S. DEGREE IN TRAINING AND DEVELOPMENT

Professional Courses

I. Business (36 hours)
   BUS 102 American Business and Free Enterprise* 3 hours
   CS 133 Computer Science 3 hours
   ECO 213, 223 Principles I, and II 6 hours
   ECO 233 Family Financial Planning 3 hours
   BUS 333 Personnel Administration 3 hours
   BUS 373 Principles of Management 3 hours
   BUS 453 Organizational Behavior 3 hours
   BUS 343 Business Statistics 3 hours
   Upper Division Business Electives** 9 hours
   *See course description
   **Electives recommended:
      BUS 323 Business Finance
      BUS 393 Principles of Marketing
      BUS 353 Business Law I
      BUS 363 Business Law II
      Advanced computer science courses

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

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

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

** General Education, January Term, and Electives
(should include SPC 113 - Fundamentals of Speech)
Total 55 hours
Total 128 hours
### Requirements for a minor in Economics

**Required courses:**

- **18 hours**
  - Total
  - BUS 333 Personnel Administration (3 hours)
  - BUS 332 Principles of Finance (3 hours)
  - BUS 339 Principles of Marketing (3 hours)

**One of the following:**

- **6 hours**
  - BUS 445 Organizational Behavior
  - BUS 374 Principles of Management
  - ECO 212 Survey of Economics
  - ACC 214 Principles of Accounting
  - BUS 102 American Business/Free Enterprise

**Recommended courses:**

- **18 hours**
  - Total
  - BUS 405 Investment Management
  - ECO 236 Money and Banking
  - BUS 222 Principles of Finance
  - ECO 213 Survey of Economics
  - ACC 214 Principles of Accounting
  - BUS 102 American Business/Free Enterprise

**Requirements for a minor in Finance**

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

**ECONOMICS, FINANCE, AND MANAGEMENT**

- **18-19 hours**
  - Development Internship I, II
  - EDU 313 Educational Psychology
  - PSY 343 Fundamentals of Counseling & Guidance 3 hours
  - SED 443 High School Curriculum/Methods of
  - AED 365 Principles of Teaching Assignments
  - TD 404 or 414 Training &
  - EDU 311 Educational Psychology
  - EDU 313 Educational Psychology
  - TD 303, 313 Training & Development

**Requirements for a minor in Training and Development**
BUSINESS ADMINISTRATION WITH EMPHASIS IN BUSINESS EDUCATION (7-12) WITH ***VOCATIONAL DISTRIBUTIVE EDUCATION CERTIFICATES (K-12)

The student who wishes to prepare for a career in the teaching of business must meet all the requirements for acceptance by the Department of Education as well as the major requirements listed below. The student needs to confer with an advisor from the Department of Education in planning his program.

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

Requirements for Business Administration with an Emphasis in Business Education*

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

Total: 45 hours

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

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

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

ACCOUNTING

ACC 214 FINANCIAL ACCOUNTING

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

ACC 233 MANAGERIAL ACCOUNTING

Continuation of ACC 214. An introduction to the fundamentals of managerial accounting data in the decision-making process. Prerequisite: ACC 214.
ACC 433 COST ACCOUNTING
Prerequisite: BUS 102 or Junior standing and ACC 333
The objective of this course is to introduce students to the principles of cost accounting as applied to manufacturing processes, inventory, and managerial decision making.

On demand, 3 hours

ACC 423 GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING
Prerequisite: BUS 102 or Junior standing and ACC 322
This course is designed to help students understand the financial accounting and reporting practices of governmental and institutional organizations.

On demand, 2 hours

ACC 396 DEPARTMENTS TUTORING
Prerequisite: BUS 102 or Junior standing and ACC 322
This course is designed to help students who are experiencing difficulty in their regular courses.

On demand, 2 hours

ACC 353 ADVANCED ACCOUNTING
Prerequisite: BUS 102 or Junior standing and ACC 313
This course focuses on advanced accounting topics such as financial reporting, auditing, and taxation.

On demand, 3 hours

ACC 323 INTERMEDIATE ACCOUNTING II
Prerequisite: BUS 102 or Junior standing and ACC 323
This course builds on the concepts learned in Intermediate Accounting I and focuses on advanced accounting topics.

On demand, 3 hours
ACC 443  INCOME TAX ACCOUNTING  Every Fall/3 hours
Fundamentals of federal income taxation of individuals, partnerships and corporations. Basic research and tax planning methods. Prerequisites: BUS 102 or Junior standing and ACC 233.

ACC 453  AUDITING THEORY AND PRACTICE  Every Spring/3 hours
The principles involved in the examination of financial statements by independent accountants including evaluation of internal control, sampling techniques, audit program development and use, and reporting. Professional Code of Ethics and legal considerations are also covered. Prerequisites: BUS 102 or Junior standing and ACC 323.

ACC 473  ACCOUNTING THEORY  On demand/3 hours
An exploration of financial accounting theory and its role in current accounting practice. Prerequisites: BUS 102 or Junior standing and ACC 323, ACC 353.

TUT 300/400  VOLUNTEER TUTORING  Every semester/No credit
Designed to train students to help others who are experiencing difficulty in their course work. Emphasis is placed on time management, study skills, and test taking. This course may be repeated. A small stipend is provided upon successful completion of the course.

BUSINESS

BUS 102  AMERICAN BUSINESS AND FREE ENTERPRISE  Every semester/3 hours
A course for beginners in the study of American business. Various aspects of the business firm will be defined and illustrated. Major problems of starting and operating a small business will be stressed. To count toward any of the majors in business BUS 102 must be taken prior to the student’s completing 64 hours of college work.

BUS 103  WORD PROCESSING  Every semester/3 hours
A basic course in word processing, presenting certain concepts, procedures and providing laboratory experience. Prerequisite: Basic typing skills.*

BUS 311  BUSINESS ETHICS  Every semester/3 hours
An introduction of ethics within the Christian perspective. Issues and applications as found in the business world are addressed. Prerequisite: BUS 102 or Junior standing.

BUS 314  BUSINESS AND TECHNICAL WRITING  Fall, 1987, and alternate years/3 hours
A course designed to present the best practices in writing business communications and technical reports. Prerequisite: BUS 102 or Junior standing.

BUS 323  BUSINESS FINANCE  Every Spring/3 hours
The financial structure of various types of business organizations, including sole proprietorships, partnerships, and corporations. Methods of securing and managing funds to meet short-term and long-term capital requirements. Financial problems are considered in connection with refunding, reorganization, mergers, and consolidations. Prerequisites: BUS 102 or Junior standing and ACC 233 and ECO 223.

BUS 331  SALES AND SALES MANAGEMENT  Every Spring/3 hours
An introduction to selling, including sales organization, planning and salesmanship. Prerequisites: BUS 102 or Junior standing and BUS 393.

* A non-credit, self-paced typing program is available through the micro computer laboratory.
BUS 421
Retail Management
Every Spring/3 hours

For course description see ACC 390 on page 97.

BUS 396
Departmental Tutorials
Every semester/2 hours

and society. Prerequisites: BUS 102 or Junior standing and ECO 123.

A study of business, merchandising, promotion, and

and understanding of the marketing process and its relationship to

PRINCIPLES OF MARKETING
BUS 393
Market Strategies. Prerequisites: BUS 102 or Junior standing and BUS 393.
Every Fall/3 hours

BUS 291
Consumer Behavior

the importance of the touch method

BUS 383
COMMUNICATIONS

BUS 373
Principles of Management

A study of buying behavior and social and cultural attitudes that affect

PRINCIPLES OF MANAGEMENT

BUS 363
Business Law II

BUS 353
Business Law I

A study of the development of our legal system with a brief study of the

BUSINESS LAW I

Prerequisites: BUS 102 or Junior standing and MAT 120.

Methods, media, and strategies. Prerequisites: BUS 102

PRINCIPLES OF MANAGEMENT

BUS 441
Advertising

Preparation: BUS 102 or Junior standing.

Spring: 1989, and alternate years/3 hours

Personnel Administration

Spring: 1988, and alternate years/3 hours

Co-located Facilities: BUS 102 or Junior standing and BUS 293.

Business Administration: A study of retail operations, planning, merchandising, promotion and

Every Spring/3 hours

For course description see ACC 390 on page 97.

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Preparation: BUS 102 or Junior standing.

Spring: 1989, and alternate years/3 hours

Personnel Administration

Spring: 1988, and alternate years/3 hours

Co-located Facilities: BUS 102 or Junior standing and BUS 293.

Business Administration: A study of retail operations, planning, merchandising, promotion and

Every Spring/3 hours

For course description see ACC 390 on page 97.
BUS 431  MARKETING MANAGEMENT  
Every Spring/3 hours
A study of marketing objectives and policies that require executive decisions, marketing activities that relate to other policy areas. Prerequisites: BUS 102 or Junior standing and BUS 393.

BUS 441  MARKETING RESEARCH  
Every Fall/3 hours
A study of research design, survey making, sampling and questionnaire design. Prerequisites: BUS 102 or Junior standing and BUS 343, BUS 393.

BUS 453  ORGANIZATIONAL BEHAVIOR  
Every Spring/3 hours
A study of the interpersonal relations between individuals and groups in an organizational setting. The problems that arise out of these relations are analyzed and evaluated by using the case approach. Prerequisite: BUS 102 or Junior standing.

BUS 480  BUSINESS POLICY  
Every spring/3 hours
A Business Capstone Case Course. Focuses on identification and analysis of general management problems in order to formulate policy recommendations to meet the needs of a general manager. Open only to senior business students. Prerequisite: BUS 102 or Junior standing.

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

TRAINING AND DEVELOPMENT

TD 303  TRAINING AND DEVELOPMENT PRINCIPLES I  
Every Fall/3 hours
Provides initial exposure in some depth to specific areas of specialization, methods and techniques used by training and development professionals in business, industry, government agencies, and institutions of varied size.

TD 313  TRAINING AND DEVELOPMENT PRINCIPLES II  
Every Spring/3 hours
Continuation of TD 303. Giving the student a base of knowledge upon which to build a career in Training or Development or to understand the role of training as a tool of management. Prerequisite: TD 303.
ECONOMICS

ECONOMIC HISTORY OF THE UNITED STATES
ECON 383

ECONOMICS. Prerequisites: ECO 213.

Exchange, government, money, banking, history, deposit insurance, and foreign
talents. The ability of a good monetary system, the history of value of
money, and banknote history in the United States.
Econ 1971 and alternate years/3 hours

MONEY AND BANKING
ECON 369

and purchasing a home.

ECONOMIC PLANNING
ECON 233

Family financial planning.

DOMESTIC PROBLEMS, INTERNATIONAL TRADE, AND COMPARATIVE ADVANTAGE
ECON 223

Public sector and economic growth.

A Survey of Basic Economic Concepts, Principles, and Business Practices
ECON 213

For course description see T.U.T., 300/400.
Volunteer tutoring.

For course description see ACC 396 on page 97.
Departmental tutoring.

ECON 496

For course description see ACC 396 on page 97.
Volunteer tutoring.

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For course description see ACC 396 on page 97.
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ECON 496

For course description see ACC 396 on page 97.
Volunteer tutoring.

ECON 496
ECO 396  DEPARTMENTAL TUTORING  
Every semester/2 hours
For course description see ACC 396 on page 97.

ECO 453  COMPARATIVE ECONOMIC SYSTEMS  
Spring, 1987, and alternate years/3 hours
A study of the forms of economic organization: the economic policy and obligations of capitalism, socialism, communism, and fascism. An analytical comparison of capitalism and the other economic systems. Prerequisite: ECO 213.

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

The preparation of teachers for the public/private schools of our nation is a significant responsibility of the College of Education. The programs are designed in such a manner that the professional and academic competence of the graduate is prevalent in the classroom.

GUARANTEE STATEMENT

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

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

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

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

PROGRAM FEATURES

The Education Program provides these special features:

- **Practical classroom experience** — a minimum total of 90 hours in the K-12 classroom prior to student teaching, begins as early as the sophomore year.

- **Opportunities to design curriculum materials.**

- **Student professional organization** which provides encouragement to you in projects, workshops and academic areas.

- **A placement service** that has averaged a 94% placement rate for education graduates in the past ten years.

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

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

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

A person with a bachelor's degree may normally be

qualified for a temporary certificate for teaching in the
elementary or secondary schools of Arizona if he has
certain courses required for professional pre-
certification in the following manners:

1. Teacher Education Program. Any portion of
   certification in the following manner: 12 semester
   hours in the arts and music, and physical
   education. In order to qualify for a temporary
   certificate, one must also
   2. Special Education (Learning Disabilities and Emotional Handicaps). A minor is required.
   3. Elementary Education (A minor in a content area common
   to elementary programs in the K-8 grade levels). A minor is required.
   4. Endorsements (K-12) for elementary or secondary
   majors. Requirements for a listing of those
   courses in education are

<table>
<thead>
<tr>
<th>TEACHER EDUCATION CURRICULA</th>
</tr>
</thead>
</table>

College of Education 105
this professional preparation, including a study of psychology, curriculum, methods of teaching, and student teaching, may be included in the work leading toward the bachelor's degree.

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

APPLICATION PROCEDURES

Eligibility
In order to become a candidate for teacher education, a student must have completed at least 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 in residence at Grand Canyon. In order to be accepted as a candidate for a secondary certificate, one must also have a 2.50 average in the teaching field; and one seeking K-12 subject endorsement must have a 2.50 average in the appropriate teaching field.

All candidates must have passed the Writing Proficiency Examination. (See page 79.) In order to be exempted from the writing exam, candidates must have received a 4.0 in the required freshman English courses taken at Grand Canyon College.

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

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

Application for Teacher Education
After completing 45 semester hours, prospective candidates must make written application to the Dean of the College of Education for admission to the Teacher Education Program.

Applications are not processed until they are submitted in complete form and all supporting reference letters are received. Applicants are responsible for any follow-up necessary for completing their application files. Completed applications are to be on file four weeks prior to the
point average overall, 2.50 at Grand Canyon College.
Office, Room 116, Faculty Building, A 2.50 grade
Appropriate forms are available from the Education
dent teaching must make written application.
All students who wish to be placed in stu-

The faculty of the College of Education reserves the

4.42.

in residence at Grand Canyon College. The following courses must be taken
Canyon College. At least 12 of these hours must be
Secondary Education majors must have a total of 12
from EDU, 323, 343, 463, 403, or 433.
Elementary education methods courses to be selected
can be done with prior written

363, SPF 323, or SED 442.

in any of the education courses except EDU 303, 313.
Each credit that is transferred for purposes of the
Education Program, the card will need to be presented
students who have been accepted into the Teacher
Students accepted into the program will be notified in writing as to the action
Students will be notified in writing as to the action

Any application not completed within twelve months
plan to commence the Teacher Preparation Program.

Students who wish to be placed in stu-

Teaching
Application

for

Student

College of Education

101
and a 2.50 in the major areas as well as a recommendation from the faculty are prerequisites.

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

Deadlines for applying for student teaching are as follows:
- To teach during Fall semester—February 1
- To teach during Spring semester—October 1
- To teaching during Summer session—March 1
  (Available to Fifth Year students only.)

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

The student teaching semester is offered on a "block" basis. The students complete 12-14 hours of course work in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 4-6 hours of course work in professional education. The second block, of nine weeks duration, is reserved for student teaching and carries 8 hours of credit.
General Studies for

45 hours

Math or Computer Science
3 hours

Elective chosen from Science, Lab Science
4 hours

Math or Special Ed.
3 hours

or Child Psychology (Elementary Ed.)

General Psychology
3 hours

Government: Federal and State (Secondary Ed.)

American History or Civilization
6 hours

American History (Elementary Ed.)

Theater, Philosophy, Performing Arts
3 hours

Electives chosen from: Art, Music, Literature,
3 hours

Speech 113

Humanities:

English — Freshman English
6 hours

Bible — Old and New Testament History
6 hours

Teacher Education Programs

College of Education for admission to the College of Education, must appeal in writing to the faculty of the department in the faculty who does not receive credit for student teaching, which the student teaching is done. The evaluation of the student teacher's work is a dual responsibility of the College and the school in which the student teaching is done.

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

Supervision of the student teacher is performed by Grand Canyon College personnel, and the evaluation of the student teacher is expected to be done throughout the state.
DEGREE REQUIREMENTS - EDUCATION

COURSES FOR ELEMENTARY CERTIFICATE
(Grades K-8)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 303 Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 363 Instructional Media</td>
<td>3</td>
</tr>
<tr>
<td>EDU 313 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EED 323 Curriculum and Methods: Science</td>
<td>3</td>
</tr>
<tr>
<td>EED 343 Curriculum and Methods: Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>EED 463 Curriculum and Methods: Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>EED 403 Curriculum and Methods: Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EED 312 Decoding</td>
<td>3</td>
</tr>
<tr>
<td>EED 433 Curriculum and Methods: Reading</td>
<td>3</td>
</tr>
<tr>
<td>EED 443 Reading Practicum in the Elementary School</td>
<td>2</td>
</tr>
<tr>
<td>SPE 323 Orientation to the Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>EDU 430 Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>** EDU 413 Tests and Measurements</td>
<td>2</td>
</tr>
<tr>
<td>** EDU 420 Orientation to Student Teaching</td>
<td>2</td>
</tr>
<tr>
<td>** EDU 480 Student Teaching: Elementary School</td>
<td>8</td>
</tr>
</tbody>
</table>

47 hours

* Prerequisite to all other education courses

** Education Block — 12 hours

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

Recommended electives for elementary teacher candidates:

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 328</td>
<td>Foundations of Education</td>
</tr>
<tr>
<td>EDF 348</td>
<td>Elementary School</td>
</tr>
<tr>
<td>EDF 480</td>
<td>Student Teaching in the Classroom</td>
</tr>
<tr>
<td>EDF 322</td>
<td>Social Studies</td>
</tr>
<tr>
<td>EDF 334</td>
<td>Language Arts</td>
</tr>
<tr>
<td>EDF 335</td>
<td>Curriculum and Methods</td>
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<tr>
<td>EDF 336</td>
<td>Instructional Media</td>
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<tr>
<td>EDF 337</td>
<td>Psychology</td>
</tr>
<tr>
<td>EDF 338</td>
<td>Instructional Media</td>
</tr>
<tr>
<td>EDF 339</td>
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**Requirements for a minor in Special Education (B.S. Degree):**

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</table>
EED 463 Curriculum and Methods: Social Studies 3 hours
EED 403 Curriculum and Methods: Mathematics 3 hours
EED 312 Decoding 3 hours
EED 433 Curriculum and Methods: Reading 3 hours
EED 443 Reading Practicum in the Elementary School 2 hours
*SPE 323 Orientation to the Exceptional Child 3 hours
SPE 333 Diagnosis of Learning Problems 3 hours
SPE 383 Survey of Emotional Handicaps 3 hours
SPE 393 Methods of Teaching the Emotionally Handicapped Child 3 hours
Elective in Special Education 3 hours
EDU 430 Classroom Management 3 hours
**EDU 413 Tests and Measurements 2 hours
EDU 420 Orientation to Student Teaching 2 hours
SPE 418 Student Teaching: Emotionally Handicapped 8 hours
EDU 480 Student Teaching in the Elementary School 8 hours

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

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

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

36 hours

* Prerequisite to all other education courses.
** Education Block — 14 hours
EDU 103 READING SKILLS FOR SUCCESS IN COLLEGE

When reading, you need to read for a specific purpose. To do this, you must first understand the main ideas of the text. Then, you can use your reading skills to analyze the text and understand the author's message.

EDU 113 READING SKILLS FOR SUCCESS IN COLLEGE

Exploring Education

EDU 119 AS A CAREER

EDU 120 READING SKILLS FOR SUCCESS IN COLLEGE

After successful completion of a fifth year of preparation to meet current Arizona teacher certification requirements, students have successfully earned a baccalaureate degree from an accredited institution. The Teacher Education Program provides students with the necessary knowledge and skills to become effective educators.

FIFTH YEAR PROGRAM

The minor department in music education, students should be prepared to undertake 18 credit hours of upper division classrooms, hours of at least 40.

The minor, also required for a fifth-year program, is at least 18.

From the major field of study, instruction in the minors as well as in education, and should be taken during the senior year.

EDU 303 FOUNDATIONS OF EDUCATION

A practicum of 90 hours will be spent in a K-12 classroom.
EDU 313 EDUCATIONAL PSYCHOLOGY  
Every semester and every Summer/3 hours  
A thematically arranged study of the theories and principles of psychology which have influenced learning and teaching techniques. Included are such topics as child development, learning, motivation, and evaluation. Prerequisites: PSY 213 and PSY 353 or PSY 373.

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

EDU 363 INSTRUCTIONAL MEDIA  
Every semester and every Summer/3 hours  
Also REL 363. A survey of the role of audio-visual aids projected and non-projected, in learning and communication, with emphasis on the selection, preparation, evaluation, and utilization of such materials and equipment.

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

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

EDU 420 ORIENTATION TO STUDENT TEACHING  
Every semester/2 hours  
Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences. Administrators and supervisors from public schools are invited to participate in this orientation as well as other professional personnel. Additional instruction is given by the faculty of the college. Prerequisites: All required courses for certification except EED 413, SED 443 and student teaching.

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

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

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**ELEMENTARY EDUCATION**

EED 312 DECODING  
Every semester and every Summer/3 hours  
Designed to give teachers and prospective teachers a basic understanding of phonics, context clues, and morphology—with some discussion of sight vocabulary. The practical, rather than theoretical, will be stressed, with examples for classroom practice. Prerequisite: EDU 303.

EED 313 EARLY CHILDHOOD EDUCATION  
Every Spring on demand/3 hours  
Considers philosophy, principles, practices, and problems of curriculum at the nursery–kindergarten level. Approaches to creative teaching and learning through motivation, environmental changes, and experimentation.
EDD 443
Reading Practicum in the Elementary School
Concurrent with EDD 443. Prerequisites: EDD 303, EDD 443, EDD 412.

EDD 433
Curriculum and Methods: Reading
Concurrent with EDD 433. Prerequisites: EDD 313, EDD 314, and MAT 113.

MATHEMATICS
EDD 403
Curriculum and Methods: Mathematics
For course description see ACC 396 on page 97.

EDD 396
Professional Practice: Pedagogy
Prerequisite: EDD 303.

L A N G U A G E  A R T S
EDD 434
Curriculum and Methods: Language Arts
Prerequisites: EDD 303, a laboratory science course, and a laboratory science course. Laboratory science programs that are currently being planned, instruction, and applications for the teaching of science. The student is involved in effective techniques for the teaching of science. Designed to acquaint the elementary teacher with the curriculum and the practice of science.

EDD 323
Curriculum and Methods: Science
Concurrent with EDD 323.

EDD 312
Elementary Education
Concurrent with EDD 312. Prerequisites: EDD 303, EDD 312, and EDD 403.

EDD 313
Reading Practicum in the Elementary School
Concurrent with EDD 313. Prerequisites: EDD 303, EDD 403, and EDD 412.

EDD 303
Curriculum and Methods: Reading
Concurrent with EDD 303. Prerequisites: EDD 313, EDD 314, and MAT 113.

EDD 314
Curriculum and Methods: Mathematics
For course description see ACC 396 on page 97.

EDD 306
Professional Practice: Pedagogy
Prerequisite: EDD 303.

EDD 323
Curriculum and Methods: Science
Concurrent with EDD 323.
EED 463  CURRICULUM AND METHODS:  
SOCIAL STUDIES  
Every semester and every Summer/3 hours  
This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, materials and resources available, and current developments in the field. Prerequisite: EDU 303.

EED 480  STUDENT TEACHING:  
ELEMENTARY GRADES  
Every semester/8 hours  
The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for elementary certificate, a 2.5 GPA, and admission to the elementary education program. Credit only. No grade is given.

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

SECONDARY EDUCATION

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

SED 442  SECONDARY METHODS  
Every semester and every Summer/2 hours  
Designed to help teachers and prospective teachers of young adults to find their own teaching style and recognize the different learning styles of their students in order to make appropriate decisions about all aspects of the teaching act. Emphasis is given to teaching methodology which encourages problem solving and active participation. Prerequisites: EDU 303, EDU 313.

SED 443  SECONDARY CURRICULUM DEVELOPMENT  
Every semester and every Summer/2 hours  
A study of secondary school curriculum development. Consideration is also given to development of curriculum for adult learners as needed for Training and Development Students. Major emphasis is given to planning instructional objectives, lesson planning and developing a model curriculum. Prerequisites: EDU 303, EDU 313, SED 442 and admittance to the teacher preparation program or training and development program. Training and development majors take this concurrently with TD 313.

SED 452  READING IN THE SECONDARY SCHOOL  
Every semester/3 hours  
This course is designed to help secondary and upper elementary teachers become aware of the reading/learning skills needed to be successful in content classes. Prerequisites: EDU 303, EDU 313, SED 442, and admittance to the teacher preparation program.

SED 462  READING PRACTICUM IN THE SECONDARY SCHOOL  
Every semester/2 hours  
A school centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students in reading to include decoding skills and content classes. Should be taken simultaneously or immediately after SED 452. Prerequisites: EDU 303, EDU 313, SED 452, and admittance to the teacher preparation program.

SED 480  STUDENT TEACHING: SECONDARY SCHOOL  
Every semester/8 hours  
The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for a secondary certificate, completed major, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.
**Special Education**

For course descriptions, see TT 300/400 on page 96.

**Volunteer Tutoring**

TT 300/400

Volunteer tutoring

**Student Teaching in Special Education**

SPE 418

Program credit only. No grade is given.

A prescribed course designed to give the student teaching experience in a classroom setting, with credit for an approved school. Pre-requisites: Required course enrolled for special education certification, a 2.5 GPA, and admission to the Teacher Education Program. Credit only. No grade is given.

**Methods of Teaching Handicapped Child**

SPE 399

Pre-requisites: SPE 322.

Survey of educating handicapped children with emotional problems, and instructional programs available for them.

**Survey of Educating Children with Learning Disabilities**

SPE 333

Pre-requisites: SPE 323.

Survey of learning disabilities, development of the special education program, and the many individual techniques being used to identify and evaluate learning problems of students. Pre-requisites: SPE 323.

**Orientation to the Exceptional Child**

SPE 333

Orientation to the various categories of exceptionalities, with their characteristics.

**Special Education**

For course descriptions, see TT 300/400 on page 96.

**Volunteer Tutoring**

TT 300/400

Volunteer tutoring
ADULT EDUCATION

AED 353  SURVEY OF ADULT EDUCATION  Fall, 1986, and alternate years on demand/3 hours
Historical development, objectives, scope, trends, and significance of adult education. Philosophy and trends of adult education in relation to desirable present and future local business and industry training programs as well as public school programs.

AED 363  PRINCIPLES OF TEACHING ADULTS  Spring, 1987, and alternate years on demand/3 hours
Factors considered in establishing and developing adult education programs in schools, business, and industry.
Physical Education and Health

Recreation Courses
Recreation
Degree Requirements
Physical Education Courses
Degree Requirements
Health Education Courses
Degree Requirements
Department Description
DEPARTMENT DESCRIPTION

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

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

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

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

DEGREE REQUIREMENTS—HEALTH EDUCATION

Requirements for a minor in Health Education

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

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

HLT 213 PERSONAL HEALTH  
A study of personal health concepts with emphasis on the importance of good health in the attainment of life’s goals and aspirations.  
Every Fall/3 hours

HLT 333 SCHOOL HEALTH PROBLEMS  
An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs.  
Every Spring/3 hours
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 46 hours which

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<tr>
<td>3</td>
<td>HLT 333 Anatomy and Physiology</td>
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<td>HLT 355 Exercise Physiology</td>
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<td>HLT 323 or 413 Methods</td>
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<td>Professional Activities</td>
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<td>2</td>
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<td>History and Principles</td>
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<td>Any 4</td>
<td>(Choice)</td>
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</tbody>
</table>

PE 101, 111, 121, 131, 211, 231, 241

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

Degree Requirements—Physical Education

For course description see T.U. 300/400 on page 98.

Volunteer Tutorial

T.U.T. 300/400

Independent Study

HIT 499

For course description see ACC 396 on page 79.

Departmental Tutorial

HIT 396

Practice

HIT 399

Drug Abuse Seminar

HIT 383

Only 2 credit.

Health Education

Methods of Teaching Health

HIT 369

Techniques, Procedures: PE 243

Objectives by means of charts, models, and observations of laboratory

Anatomy and Physiology

A study of the basic structures, functions, and various systems of the human

Health of the Community. Also includes fundamentals of public health sciences, philosophy, history.

Also see 433. A study of the public agencies and their contributions to the

Principles of Public Health
PHYSICAL EDUCATION

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

PE 101  SWIMMING  Every semester/1 hour
Instruction and practice in the skills of swimming.

PE 111  TENNIS  Every semester/1 hour
Instruction and practice in the fundamentals of tennis.

PE 121  WEIGHTLIFTING AND FITNESS  Every semester/1 hour
Instruction and practice in the skills of weightlifting and of procedures necessary to maintain an accepted level of physical fitness.

PE 131  TEAM SPORTS  Every semester/1 hour
Instruction and practice in softball, basketball, and volleyball.

PE 211  AEROBICS  Every semester/1 hour
Course is designed to introduce and develop fundamental skills and principles of aerobics; and to apply these skills to achieve overall fitness and personal health.

PE 213  RECREATIONAL ACTIVITIES  Every Fall/3 hours
Also REC 213. Games and contests for home, school, and community leisure time.

PE 221  INTERMEDIATE TENNIS  Every semester/1 hour
Instruction and practice in the fundamentals of Tennis. Designed for those students who have some skill in the sport. Instructor approval required.

PE 231  ARCHERY  Every semester/1 hour
Instruction and practice in the fundamentals of archery.

PE 241  GOLF  Every semester/1 hour
Instruction and practice in stance, grip, stroke, teeing of the ball, and use of different clubs.

PE 243  HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION  Every Fall/3 hours
A study of the aims and objectives of physical education, of its standards, ideals, principles and policies, and of the place of physical education in modern life. The history of physical education is also studied, emphasizing leaders of the past and present.

PE 282  PROFESSIONAL ACTIVITIES  Every Fall/2 hours
Individual and dual sports. Skills in physical education activities for the physical education major and minor. (Three class periods per week.)

PE 292  PROFESSIONAL ACTIVITIES  Every Spring/2 hours
Team sports. Skills in physical education activities for the physical education major and minor. (Three class periods per week)

PE 303  MEASUREMENT IN PHYSICAL EDUCATION  Every Spring/3 hours
Test and Measurements in Physical Education; date analysis techniques for test evaluation, test construction, and grading. Also deals with test of fitness and sports skills.
Volunteer Tutoring 499

Physical Education and Administration of Health 423

Organization and Administration of Health

Recreational Administration

Special Education for the Exceptional Child 363

Physical Education for the Elementary Grades 322

Athletic Coaching, Basketball 333

Sports Officiating 343

A study of the principles of officiating, football, basketball, and baseball

Athletic Injuries 314

Care & Prevention of

Kinesiology 313

A study of the emotions, mechanics, and action of the principal muscles of the body and their relation to the various types of physical skills. Prerequisites: PE 243 and HTT 353.
DEGREE REQUIREMENTS—RECREATION

Requirements for a minor in Recreation

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>REC 203</td>
<td>Introduction to Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 213</td>
<td>Recreation Activities</td>
<td>3</td>
</tr>
<tr>
<td>REC 313</td>
<td>Outdoor Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 303</td>
<td>Church Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 373</td>
<td>Recreation Administration</td>
<td>3</td>
</tr>
<tr>
<td>REC 403</td>
<td>Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 282</td>
<td>Professional Activities</td>
<td>2</td>
</tr>
<tr>
<td>PE 292</td>
<td>Professional Activities</td>
<td>2</td>
</tr>
<tr>
<td>HLT 203</td>
<td>First Aid and Safety</td>
<td>3</td>
</tr>
</tbody>
</table>

RECREATION

REC 203 INTRODUCTION TO RECREATION
Every Spring/3 hours
A course designed to introduce the student to the philosophy and early development of recreation in America. It is also structured to examine the role and status of the varied agencies engaged in recreation programs.

REC 213 RECREATIONAL ACTIVITIES
Every Fall/3 hours
See PE 213 on page 122.

REC 303 CHURCH RECREATION
Every Fall/3 hours
Also REL 302. A course designed to give specific directions in program planning and techniques for setting up and implementing a total church recreation program.

REC 313 OUTDOOR RECREATION
Every Spring/3 hours
Summer, January Term or on demand/3 hours
A course designed to acquaint the student with the knowledge and experience of outdoor living. Camping, back-packing, and desert survival will be explored.

REC 373 RECREATIONAL ADMINISTRATION
Every Spring/3 hours
See PE 373 on page 123.

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

REC 403 INTERNSHIP
Every Summer/3 hours
The student is assigned to an approved recreational facility to serve as a leader or assistant leader under the supervision of a recreation employee for a specified number of hours. Periodic conferences and evaluations are scheduled with the supervising teacher. Prerequisites: REC 203 and REC 273.

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

Psychology

Degree Requirements

Criminal Justice Courses

Criminal Justice

Degree Requirements

Courses

Public Administration

Public Administration

Degree Requirements

Sociology Courses

Sociology

Degree Requirements

History Courses

History

Degree Requirements

Government Courses

Government Courses

Geography Courses

Government

Social Science

Behavioral Sciences

Degree Requirements

Department Description

and Psychology

History, Social Sciences
DEPARTMENT DESCRIPTION

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

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

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

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

DEGREE REQUIREMENTS - BEHAVIORAL SCIENCES

Requirements for a minor in Behavioral Sciences**

SOC 213 Principles of Sociology 3 hours
SOC 313 Cultural Anthropology or
    SOC 323 History of Social Thought 3 hours
PSY 213 General Psychology 3 hours
PHI 213 Introduction to Philosophy 3 hours
Electives in Psychology or Sociology
    (Upper Division) 6 hours

**Not recommended for prospective teachers in secondary education.

DEGREE REQUIREMENTS - SOCIAL SCIENCE

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

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

GOV 222
GOV 203
FEDERAL AND ARIZONA

GEOL 313
PHYSICAL GEOGRAPHY

For course description see TLT 390/490 on page 99.
For course description see ACC 396 on page 92.

GOV 233
WORLD GEOGRAPHY

Geography

Electives in Government

3 hours

Requirements for a minor in Government

DEGREE REQUIREMENTS - GOVERNMENT

(3 hours must be upper division)

3 hours

ECO 213 Principles of Economics I

3 hours

GOV 203 Federal and Arizona Government

3 hours

SOC 213 Principles of Sociology

6 hours

Early and Recent American History

Western Civilization since 1715, or HIS 213

HIS 101 and 102 Western Civilization to 1715 and

Requirements for a minor in Social Science

12 hours

Upper Division courses in Social Studies

3 hours

Geography

3 hours

ECO 213 Principles of Economics I

3 hours

GOV 203 Federal and Arizona Government
GOV 262 ARIZONA GOVERNMENT 
Every semester and every Summer/1 hour
The second half of GOV 203, a survey of Arizona History and Government. This half meets the teacher certification requirement for Arizona government.

GOV 313 COMPARATIVE GOVERNMENT 
Spring, 1987, and alternate years/3 hours
A comparative study of the organization and operation of selected governments in the world today, with special attention given to the Soviet Union, England, France, and the United States. Prerequisite: 6 hours of history or government.

GOV 323 INTERNATIONAL RELATIONS 
Fall, 1987, and alternate years/3 hours
A study of the history of international politics, contemporary world power structure, and international law and organization. Prerequisite: 6 hours of history and government.

GOV 333 EARLY POLITICAL THOUGHT 
Fall, 1986, and alternate years/3 hours
A study of the evolution of European and American political doctrines, with special attention given to the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 18th century enlightenment. Prerequisite: 6 hours of history or government.

GOV 343 CONTEMPORARY POLITICAL THOUGHT 
Spring, 1987, and alternate years/3 hours
Continuation of GOV 333. Deals with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and to the study of socialism, communism, and fascism in the modern world. Prerequisite: GOV 333 or sufficient work in history or philosophy to provide an adequate background.

GOV 393 AMERICAN DIPLOMATIC HISTORY 
Spring, 1988, and alternate years/3 hours
Also HIS 393. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisite: 6 hours of history or government.

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

GOV 423 CONSTITUTIONAL HISTORY OF THE UNITED STATES 
Fall, 1987, and alternate years/3 hours
Also HIS 423. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. Prerequisite: 6 hours of history or government.

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

DEGREE REQUIREMENTS - HISTORY

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

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

HISTORY OF ENGLAND

HIS 313

HIS 303 CHURCH HISTORY

BAPTIST AND AMERICAN

HIS 212 EARLY AMERICAN HISTORY

the United States,

contribution is the development of Baptists and Evangelical Christianity in

World, power, and domestic and foreign issues of the 20th century,

A study of European expansion in America, the Industrial Revolution in the

contribution of HIS 212, deals with problems in the wake of the Civil War,

Every semester, 3 hours

Everett, and the Civil War

the new government, nationalism and sectionalism, western expansion,

A study of European expansion in America, the Industrial Revolution in the

Every semester, 3 hours

the United States in the 20th century,

The arts of democracy and industrialism. Emphasis is placed on the role of

Regression in art, the military, and the economy, the international role of the

A study of European expansion in America, the Industrial Revolution in the

Every semester, 3 hours

HIS 102 WECON CIVILIZATION TO 1715

HIS 101 and 102 Western Civilization

6 + 3

HIS 211 Ancient and Medieval History

HIS 212 and 213 Part I and Part II

HIS 101 and 102 Western Civilization

Requirements for a minor in History

Upper Division courses in History

HIS 321 Ancient and Medieval History

American History

HIS 213 and 222 Part I and Part II

Western Civilization since 1715

HIS 101 and 102 Western Civilization to 1715

15 + 3

HIS 48 Senior Seminar in History

HIS 321 Ancient and Medieval History

12 + 3

Department of History, Social Sciences, and Psychology
HIS 314 MODERN BRITAIN

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

HIS 317 STUDIES IN THE NON-WESTERN WORLD

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

HIS 321 ANCIENT AND MEDIEVAL HISTORY

Fall, 1987, and alternate years/3 hours
A survey of the Western Civilization during the Ancient and Medieval World. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered. Prerequisite: HIS 101.

HIS 333 THE RENAISSANCE AND REFORMATION

Fall, 1987, and alternate years/3 hours
A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic and Counter Reformations; rise of nationalism and capitalism. Prerequisite: HIS 101.

HIS 353 CHURCH HISTORY

Every Fall/3 hours
Also REL 353. A survey of the history of the various church groups through which the Christian religion has made its appeal to mankind and the world, with special emphasis upon the fragmentation of organized religion in the 17th century and the rise of the major Protestant groups.
HIS 499
Independent Study
See page 74.

HIS 483
Senior Seminar
20th Century. Prerequisites: HIS 213 and HIS 223.
A study of the Western movement: The expanding frontier and Western
Spring 1987 and alternate years.

HIS 493
The West in
American history
Spring 1988 and alternate years.

HIS 473
The teaching of social studies.

HIS 445
Problems in
European history.

HIS 443
Twentieth century
Europe.

HIS 423
Constitutional history of the United States.

HIS 396
Departmental Tutorial

HIS 393
American diplomatic history

HIS 383
Economic history

HIS 373
Latin American History

HIS 366
American history

HIS 313
Economic history

HIS 303
American history

HIS 223
Modern history

Department of History, Social Sciences, and Psychology
DEGREE REQUIREMENTS - SOCIOLOGY

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

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

Requirements for a minor in Sociology

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

SOCIOLOGY

SOC 213 PRINCIPLES OF SOCIOLOGY Every semester/3 hours
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.

SOC 223 SOCIAL PROBLEMS Every Spring/3 hours
A survey of the various issues and problems faced by contemporary American society including poverty, war, inequality, crime, energy and food shortages, sexual behavior, and drug and alcohol abuse. A cross-cultural perspective will be employed to further an understanding of the history, nature, and possible solutions of these social problems.

SOC 231 INTRODUCTION TO SOCIAL WORK Spring, 1987, and alternate years/3 hours
An overview of the training, tasks, and opportunities in the profession of social work. The student will be introduced to the skills, knowledge base, and functional role of the social worker. Exposure to various settings of social work practice will be provided.

SOC 303 SOCIAL PSYCHOLOGY Every Spring/3 hours
Also PSY 303. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. Prerequisite: PSY 213 or SOC 213.

SOC 313 CULTURAL ANTHROPOLOGY Every Spring/3 hours
A study of social cultures which have developed in human society. Attention is given to preliterate peoples in comparison with our own and other cultures. The origin and development of the cultures, their technologies, economics, social organizations, and beliefs are surveyed.
MINORITY PEOPLES

AMERICAN

PRACTICUM See page 75.

SOC 43

Fall, 1986, and alternate years/3 hours

Body amendment 1-4 hours

Body seminar/2 hours

Departmental Tutoring

SOC 396

for course description see ACC 396 on page 97.

Spring, 1987, and alternate years/3 hours

SOC 393

SOCIOLOGY OF AGING

Spring, 1987, and alternate years/3 hours

SOC 384

HUMAN ECOLOGY See BIO 496 on page 162.

Implications and principles of program planning.

Implications and principles of program planning.

Drug Abuse Seminar

SOC 383

Fall of data and presentation of research results.

Fall of data and presentation of research results.

SOC 373

SOCIAL RESEARCH

Fall of data and presentation of research results.

Fall of data and presentation of research results.

SOC 362

INTRODUCTION TO PROBABILITY AND STATISTICS

The purpose will also be of concern.

Urban Sociology

SOC 355

The purpose will also be of concern.

Urban Sociology

Spring, 1987, and alternate years/3 hours

SOC 346

Juvenile Delinquency

A study of the extent and nature of juvenile delinquency.

SOC 336

Marriage and the Family

A study of social thought from ancient to modern man. This course

SOC 323

History of Social Thought

Department of History, Social Science, and Psychology
SOC 498  SPECIAL TOPICS  On demand/3 hours
Topics of interest to sociologists but not covered in depth in other courses will be considered. The content (topic) will change each time the course is offered so it may be repeated for credit. Examples of topics might include: Women in America, Suicide, Third World Issues, Social Movements, Collective Behavior, Social Stratification, Sociology of Religion, Sociobiology, Sociology of Health & Illness, or Sociology of Mental Illness. Prerequisites: SOC 213, SOC 373, or approval of instructor.

SOC 499  INDEPENDENT STUDY  See page 74.
TUT 300/400  VOLUNTEER TUTORING  Every semester/No credit
For course description see TUT 300/400 on page 98.

DEGREE REQUIREMENTS - PUBLIC ADMINISTRATION

Requirements for a major in Public Administration

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

PUBLIC ADMINISTRATION

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

PAD 421  ADMINISTRATION IN PUBLIC ORGANIZATIONS  Fall, 1986, and alternate years/3 hours
Study of decision making in the public sector organization. Course includes a study of decision making, organization, personnel, intergovernmental relations, research methods, output, and ethics. Case studies emphasized. Prerequisite: BUS 373.

PAD 430  FINANCIAL MANAGEMENT OF PUBLIC SECTOR ORGANIZATIONS  Fall, 1987, and alternate years/3 hours
Acquisition, allocation and management of financial resources for public and other not-for-profit organizations. Emphasis on the budgetary process and financial control systems. Prerequisites: ACC 214, ACC 233, and BUS 323.

TUT 300/400  VOLUNTEER TUTORING  Every semester/No credit
For course description see TUT 300/400 on page 98.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 306</td>
<td>The Police Function</td>
</tr>
<tr>
<td>CS 201</td>
<td>Issues in Criminal Justice</td>
</tr>
<tr>
<td>CS 200</td>
<td>Introduction to the Criminal Justice System</td>
</tr>
</tbody>
</table>

**Criminal Justice**

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Independent Study Pro Seminar</td>
</tr>
<tr>
<td>1-3</td>
<td>Criminal Justice Education</td>
</tr>
<tr>
<td>3</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>3</td>
<td>Procedural Criminal Law</td>
</tr>
<tr>
<td>3</td>
<td>Substantive Criminal Law</td>
</tr>
<tr>
<td>3</td>
<td>Correction Function</td>
</tr>
<tr>
<td>3</td>
<td>Admission Function</td>
</tr>
<tr>
<td>3</td>
<td>Police Function</td>
</tr>
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</table>

Nine hours from the following:

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>3</td>
<td>Criminal Justice Management</td>
</tr>
<tr>
<td>3</td>
<td>Internship in Criminal Justice</td>
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<td>3</td>
<td>Theory of Criminal Justice</td>
</tr>
<tr>
<td>3</td>
<td>Issue in Criminal Justice</td>
</tr>
<tr>
<td>3</td>
<td>Justice System</td>
</tr>
</tbody>
</table>

Requirements for a minor in Criminal Justice:

- 15 hours of electives in Criminal Justice; 12 must be upper division.

Requirements for a major in Criminal Justice:

- 30 hours of Criminal Justice electives (6 must be upper division)
- 30 hours of Criminal Justice electives (6 must be upper division)
- 380 Theory of Criminal Justice
- 373 Social Research (SOC 373)
- 201 Issue in Criminal Justice
- 200 Introduction to the Criminal Justice System
- 200 Introduction to the Criminal Justice System
CJ 308 THE ADJUDICATION FUNCTION

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

CJ 310 THE CORRECTIONAL FUNCTION

On demand/3 hours

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

CJ 360 LAW AND SOCIAL CONTROL

On demand/3 hours

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

CJ 373 SOCIAL RESEARCH

On demand/3 hours

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

CJ 380 THEORY OF CRIMINAL JUSTICE

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

CJ 396 DEPARTMENTAL TUTORING

For course description see ACC 396 on page 97.

CJ 400 INTERNSHIP IN CRIMINAL JUSTICE

On demand/3 hours

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

CJ 440 CRIMINAL JUSTICE MANAGEMENT

On demand/3 hours

System-wide analysis of organizational structures. Management and administrative policies of criminal justice agencies—law enforcement, courts and corrections. Prerequisites: CJ 200, CJ 201, and one upper division criminal justice course or approval of instructor.
<table>
<thead>
<tr>
<th>Course Hours</th>
<th>Requirements for a Minor in Psychology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Division courses in Psychology</td>
<td></td>
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</tbody>
</table>
| \[ 
| \[ PSY 30 Social Psychology 3 hours |
| \[ PSY 22 Personality Development 3 hours |
| \[ PSY 21 General Psychology 3 hours |
| \[ \] |

<table>
<thead>
<tr>
<th>Course Hours</th>
<th>Requirements for a Major in Psychology</th>
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<tbody>
<tr>
<td>Upper Division courses in Psychology</td>
<td></td>
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</tbody>
</table>
| \[ 
| \[ PSY 43 Abnormal Psychology 3 hours |
| \[ PSY 40 Psychological Psychology 4 hours |
| \[ PSY 37 Experimental Psychology 3 hours |
| and Statistics 3 hours |
| \[ \] |

<table>
<thead>
<tr>
<th>Course Hours</th>
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<tbody>
<tr>
<td>Upper Division courses in Psychology</td>
<td></td>
</tr>
</tbody>
</table>
| \[ 
| \[ PSY 36 Introduction to Probability 3 hours |
| \[ PSY 31 Learning and Cognition 3 hours |
| \[ PSY 30 Social Psychology 3 hours |
| \[ PSY 23 Personality Development 3 hours |
| \[ PSY 21 General Psychology 3 hours |
| \[ \] |
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**Degree Requirements - Psychology**

<table>
<thead>
<tr>
<th>Course Hours</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>[ ]</td>
<td>For course description see TUT 300/400 on page 98.</td>
</tr>
<tr>
<td>[ ]</td>
<td><strong>VOLUNTEER TUTORING</strong> 300 hours</td>
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<tr>
<td>[ C 499 3 hours</td>
<td>INDIVIDUAL STUDY</td>
</tr>
<tr>
<td>[ C 498 3 hours</td>
<td>PRO-SEMINAR</td>
</tr>
<tr>
<td>[ C 497 3 hours</td>
<td>SPECIAL TOPICS IN CRIMINAL JUSTICE</td>
</tr>
<tr>
<td>[ C 490 3 hours</td>
<td>CRIMINAL JUSTICE EDUCATION</td>
</tr>
<tr>
<td>[ C 462 3 hours</td>
<td>CRIMINAL LAW</td>
</tr>
<tr>
<td>[ C 461 3 hours</td>
<td>SUBSTANTIVE CRIMINAL LAW</td>
</tr>
</tbody>
</table>

**TUT 300/400**

- **Biology/Chemistry**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Chemistry**: 200, and one upper division criminal justice course or approved of instructor.
- **Biology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Psychology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Economics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Sociology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Criminology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Statistics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Data Science**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Computer Science**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Mathematics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **History**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **English**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Anthropology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Geography**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Sociology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Economics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Psychology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Mathematics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **History**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Anthropology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Geography**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Sociology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Economics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Psychology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Mathematics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **History**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Anthropology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Geography**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Sociology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Economics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Psychology**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **Mathematics**: 200, 201, and one upper division criminal justice course or approved of instructor.
- **History**: 200, 201, and one upper division criminal justice course or approved of instructor.
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.

PSY 250  HUMAN GROWTH AND DEVELOPMENT  
A course in developmental psychology with emphasis on the physical, social, cognitive, personality and moral developments within an individual. The course is designed to provide an understanding of the transitions of life from conception to death. May not be taken with prior credit in Child Psychology. Not available to students with a Psychology major or minor.

PSY 253  PERSONAL DEVELOPMENT  
An analysis of personal behavior and its development in the life of an individual. Topics include motivation, coping with stress, interpersonal relationships, and personal growth and change.

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

PSY 313  LEARNING AND COGNITION  
The study of theoretical and empirical problems of human learning and cognitive behavior. The nature of learning processes, transfer, memory, information processing, concept attainment, and problem solving will be explored. Prerequisites: PSY 213.

PSY 315  THEORIES OF PERSONALITY  
Fall, 1986, and alternate years/3 hours  
A study of the nature and causal determinants of human behavior, including the definition and scientific measurement of personality. Theories studied will include the psychodynamic, neo-Freudian, trait and factor, cognitive, and behavioral theories. The Christian perspective on the nature of human personality will also be explored. Prerequisite: PSY 213.

PSY 323  HISTORY AND SYSTEMS OF PSYCHOLOGY  
Spring, 1988, and alternate years on demand/3 hours  
A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Normally taken by sophomores or juniors but may be taken by permission during the second semester of the freshman year by students who have made at least a "B" in PSY 213 during the first semester of their freshman year. Prerequisite: PSY 213.

PSY 325  MOTIVATION AND EMOTION  
Fall, 1987, and alternate years on demand/3 hours  
An investigation of the purposes for human behavior from the perspective of behavioral, cognitive, ethological, psychoanalytic, psychophysical, and other perspectives. Topics covered are lower and higher needs, instincts, emotions, drives, rewards, conflict, stress, anxiety, aggression, achievement motivation, and achieving full potential. Prerequisite: PSY 213.
PHYSIOLOGICAL PSYCHOLOGY

For course description see ACC 396 on page 97.

DEPARTMENTAL TUTORING

For course description see ACC 403 on page 97.

PSY 403

PSYCHOLOGICAL TESTING

PSY 374

Control of cultural behavior: Personality. Pre-requisite: PSY 215.

PRE-REQUISITES: PSY 213 and PSY 263.

EXPERIMENTAL PSYCHOLOGY

Pre-requisite: PSY 213.

PRE-REQUISITES: PSY 213.

INTEGRATION TO PROBABILITY

PSY 313

and the synthesis and integration of personality, motivation, thinking, work, and play in life.

PSY 335

CHILD PSYCHOLOGY

PSY 344

PSYCHOLOGY IN RELIGION

See REL 333 on page 139.
PSY 420  SENSATION AND PERCEPTION  
*Spring, 1987, and alternate years on demand*/3 hours
Theories, issues, research findings and methodology in the study of perception and the related area of sensory functioning. Emphasis is placed on visual and auditory perception. Topics include psychophysics, sensory coding, adaptation, attention, sensory and perceptual judgments, the perception of space, motion, and color. Application of perception to interpersonal relationships. Prerequisites: PSY 213.

PSY 433  ABNORMAL PSYCHOLOGY  
*Every Fall*/3 hours
Designed to help the student to understand mental illness and to prevent mental illness by a better awareness of the emotional, functional, and physiological factors influencing mental health. Prerequisite: PSY 213.

TUT 300/400  VOLUNTEER TUTORING  
*Every semester*/No credit
For course description see TUT 300/400 on page 98.
Spanish
German
French
Modern Language
Degree Requirements—Communications
Degree Requirements—Journalism
Teaching
English Grammar and
Genre Courses
Writing
Literature
American Literature
English
Degree Requirements—Design Studio
Art Studio
Art History
Art Education
Degree Requirements—Art
Department Description

Humanities
DEPARTMENT DESCRIPTION

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

DEGREE REQUIREMENTS - ART

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

Requirements for a major in Studio Art
(B.A. Degree, no minor required)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 333, 343, 353, 363</td>
<td>Art History</td>
<td>12</td>
</tr>
<tr>
<td>AH 373</td>
<td>Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>AR 203</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>DGN 213</td>
<td>Basic Studio Techniques</td>
<td>2</td>
</tr>
<tr>
<td>DGN 243, 253</td>
<td>Two- and Three-Dimensional Design</td>
<td>6</td>
</tr>
<tr>
<td>AR 243</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>AR 223, 253, 263, 273, 283, or DGN 233</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>AR 303, 323, 343, 353, 363, 373, 383, or DGN 333</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Either major requires a minimum of 18 hours Upper Division courses.

46 hours

**AR** 481 Studio Problems and Techniques or
**DG** 481 Design Problems and Techniques

6 hours

Upper Division Art elective

3 hours

Art for the Elementary Teacher

AE 323 Art Media and Methods

AE 393 Art in Elementary and High School

12 hours

223, 224, 242, 243, 262, 285, or **DG** 233

**AR** 213, 223, 242, 243, 262, 285

**DG** 443, 225, 242, and 285

**AR** 203 Drawing I

**AH** 333, 343 Art History II

12 hours

Teaching *≠*(B.A. Degree)

Requirements for a major in Art with emphasis on

42 hours

**DG** 481 Studio Problems and Techniques or

6 hours

**AR** 373, 383, or **DG** 333

**AR** 303, 323, 343, 353, 363

**AR** 223, 243, 253, 263, 273, 283, or **DG** 233

**DG** 243, 225, 242, and 285

**DG** 213 Basic Studio Techniques

**AR** 203 Drawing I

**AH** 373 Aesthetics

**AH** 353 Contemporary Art

**AH** 333, 343 Art History II

6 hours

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

Altarnative.

This type of educational

area. The student must have a "B" hours in a selected concentration

Three-Dimensional Design and 3 courses, Drawing I, II, and

Entrance into the Studio Art

60 hours

**DG** 481 Design Problems and Techniques

9 hours

**AR** 481 Studio Problems and Techniques

9 hours

**AR** 431 Portfolio Competence

2 hours

**AR** 393 Art Seminar
Requirements for a minor in Studio Art

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

18 hours

Requirements for a teaching minor in Art

AR 203 Drawing I 3 hours
DGN 243, 253 Two- and Three-Dimensional Design 6 hours
AE 303 Art in the Elementary School 3 hours
AE 423 Art in the High School 3 hours
AH 333, 343, 353, 363 3 hours
AR 223, 243, 253, 263, 273, 283, or DGN 233 3 hours
Upper division elective 3 hours

24 hours

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

ART EDUCATION

AE 303 ART IN THE ELEMENTARY SCHOOL Every Fall/3 hours
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.

AE 323 ART MEDIA AND METHODS FOR THE ELEMENTARY TEACHER Every Spring/3 hours
Introduction to the language and structure of art education with an emphasis on practical hands-on experiences suitable for children at various elementary levels. Includes specific knowledge of two- and three-dimensional processes, classroom observation and actual teaching experience.

AE 423 ART IN THE HIGH SCHOOL Fall, 1987, and alternate years/3 hours
Exploration of materials, theory, and organization for presenting art activities and development in the arts for students on the secondary school level.

ART HISTORY

AH 112 INTRODUCTION TO ART Every semester/3 hours
A brief introduction to the act of making quality judgements about art objects and situations. Special emphasis on the meaning of art as it relates to other personal interests of each individual. Actual art projects, art history and appreciation will be explored. No credit for art major or minor.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AR 203</td>
<td>Drawing I</td>
</tr>
<tr>
<td>AR 223</td>
<td>Printmaking I</td>
</tr>
<tr>
<td>AR 233</td>
<td>Photography I</td>
</tr>
<tr>
<td>AR 263</td>
<td>Ceramics I</td>
</tr>
<tr>
<td>AR 273</td>
<td>Sculpture I</td>
</tr>
<tr>
<td>AR 283</td>
<td>Painting I</td>
</tr>
<tr>
<td>AR 440</td>
<td>Volunteering TUTRONING</td>
</tr>
<tr>
<td>AH 333</td>
<td>ART HISTORY I</td>
</tr>
<tr>
<td>AH 349</td>
<td>ART HISTORY II</td>
</tr>
<tr>
<td>AH 355</td>
<td>American Art</td>
</tr>
<tr>
<td>AH 363</td>
<td>Contemporary Art</td>
</tr>
<tr>
<td>AH 373</td>
<td>Aesthetics</td>
</tr>
<tr>
<td>AH 399</td>
<td>Dependent TUTRONING</td>
</tr>
<tr>
<td>CH 100</td>
<td>Art for College Credit</td>
</tr>
<tr>
<td>IT 300</td>
<td>Art 300/400 on Page 96</td>
</tr>
</tbody>
</table>

For course description see TUTRONING,adicutus, from the time of Plato through Renaissance. Reference: Provides an overview of major ideas, techniques, and precedents. An introduction to aesthetics from historical, philosophical, and theoretical perspectives. Recognize and critique standards in art with special consideration of new concepts. World today. Rococo, Neo-classic, Romantic, and Modern epochs. A survey of Occidental Art during the Renaissance, Mannerist, Baroque, and Modern Era; Greek, Roman, and Medieval.
AR 303  DRAWING II  Every Spring/3 hours
Exploration of recording ideas and concepts through the use of a variety of materials such as pastels and chalks as well as mixed media. Prerequisites: AR 203 or approval of instructor.

AR 323  PRINTMAKING II  Every Spring/3 hours
In depth exploration of printmaking processes with emphasis on developing awareness to contemporary applications. Prerequisite: AR 223.

AR 332  ART WORKSHOP  On demand/3 hours
Designed to offer the student the opportunity to experience the use of a special process or medium in a workshop setting. May be repeated for credit under different medium titles.

AR 343  PHOTOGRAPHY II  Every semester/3 hours
A course designed to expand the student's knowledge and use of materials and techniques available as tools for creative expression in black and white Photography.

AR 353  JEWELRY II  Every Spring/3 hours
A continuation of the techniques of jewelry making with advanced problems in fabrication and casting. Emphasis will be on creative design and developing an awareness of contemporary trends.

AR 363  CERAMICS II  Every semester/3 hours
Continued studio programs in the process of forming clay. Emphasis is also placed on glaze application and surface decoration. Prerequisite AR 263.

AR 373  SCULPTURE II  *Every Spring on demand/3 hours
Continued exploration of sculpting processes of casting, welding, and plastics. Prerequisite AR 273.

AR 383  PAINTING II  *On demand/3 hours
Technique of underpainting, glazing, impasto, direct esal wets, an emphasis on color thinning and experimentation. Prerequisite: AR 283 or approval of instructor.

AR 393  ART SEMINAR  Every Spring/2 hours
A discussion oriented class introducing the concept of the professional artist and his dealings with galleries and museums, graduate school, resumes, portfolios, marketing and grants.

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

AR 403  LIFE DRAWING  On demand/3 hours
Development of skill in drawing the basic form, construction, and gesture, from the human figure; emphasizes anatomical structure. Prerequisites: DGN 243 and AR 303 or approval of instructor.

AR 431  PORTFOLIO COMPETENCE  Every semester/2 hours
The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and resume.

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

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

*Or by arrangement.
For course description see TLT 300/400
Every semester/No credit

400
Volunteer Tutoring

TTT 300

For course description see ACC 396 on page 97

396
Departmental Tutoring

DEN 481

Advanced design problems in the medium of the student's choice. By arrangement. 1 to 4 hours.

369
Design Problems

DEN 396

Departmental Tutoring includes preparation of art work for reproduction.

333
Graphic Design II

Further study of visual communications through the use of verbal and visual emphasis on the analysis of volume and space relationships.

253
Three-Dimensional Design

Every semester/3 hours

253
Three-Dimensional Design

Every Fall/3 hours

243
Two-Dimensional Design

Instruction in the use of computer and tools of the professional designer.

233
Graphic Design I

Every Fall/2 hours

213
Basic Studio Techniques

Department course and on the operation of shop equipment.

In introduction to shop techniques and how they relate to the various fields.

Design Studio
DEGREE REQUIREMENTS - ENGLISH

The instruction given in English has three objectives — two of them for every student who attends Grand Canyon College and the third specifically for those students who possess or develop a major interest in language and literature. The first objective is that the student may acquire a command of clear and effective English, spoken and written, that will prepare one to assume a responsible position in the American community. The second objective is the development of the ability to read good literature with appreciation and enjoyment and with an awareness of the values presented. The third objective, for the major in English, is a more specific study of the skills and knowledge involved in the first two objectives. The student who has majored in English should be equipped to write effectively and imaginatively and should have a knowledge of the authors whose works illustrate the development of English and American language and literature.

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

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

English major with emphasis on Literature

The English literature major shall consist of 30 semester hours, 15 of which must be upper division. The English faculty urges English majors to include a foreign language in their programs. Most graduate schools prefer French or German, but Spanish is undoubtedly more valuable in the job market. The following courses or their equivalents are required for the English literature major.

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

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

- EEW 343 Advanced Composition
- EEW 453 Creative Writing
- EEW 483 Seminar in Writing
- EEW 323 Writing for Publication
- ELG 363 Advanced Grammar
At least one Upper Division course in Writing chosen from the following:

ETL 409 Adolescent Literature
ETL 333 The Short Story, ETL 413 The Novel or
ETL 363 Advanced Grammar
EMW 423 Shakespeare
ETL 463 American Literature: Modern
ETL 333 American Literature II
ETL 313 American Literature I
ETL 363 English Literature: Victorian and Modern
ETL 223 English Literature II
ETL 213 English Literature I
ETL 373 The Novel

The English teaching major shall consist of the following courses:

English major with emphasis on Teaching

DCN 241 Two Dimensional Design
AR 203 Drawing I
CS 133 Introduction to Computer Science
TR 150 Acting I
AR 223 Photography I, II

Recommended electives for this major include:

JRN 300 Advanced News Writing and Reporting
JRN 290 News Writing and Reporting
JRN 213 Small Newspaper
ETL 413 The Novel
ETL 333 The Short Story

EEW 433 Creative Writing (may be repeated for a maximum
maximum of 6 hours)
EEW 323 Writing for Publication (may be repeated for a
maximum of 6 hours)
EEW 433 Seminar in Writing (may be repeated for a

EEEW 343 Advanced Composition
EEEW 313 Business and Technical Writing
EEEW 315 Business and Technical Writing

and 24 hours chosen from the following courses:

English major with emphasis on Writing
Strongly recommended are EET 473 The Teaching of English, SPC 378 Oral Interpretation of Literature and one of the journalism courses. Students who plan to teach must meet all the requirements of the Department of Education and Psychology for state certification.

General education requirements for English majors

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

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

Requirements for a teaching minor in English

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 101 Grammar &amp; Composition,</td>
<td></td>
</tr>
<tr>
<td>EEW 102 Composition and Literature</td>
<td>6</td>
</tr>
<tr>
<td>EEL 213, 223 English Literature I, II</td>
<td>6</td>
</tr>
<tr>
<td>EAL 313, 323 American Literature I, II</td>
<td>6</td>
</tr>
<tr>
<td>Upper Division electives in English</td>
<td></td>
</tr>
</tbody>
</table>

24 hours

Requirements for a minor in English

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 101 Grammar &amp; Composition,</td>
<td></td>
</tr>
<tr>
<td>EEW 102 Composition and Literature</td>
<td>6</td>
</tr>
<tr>
<td>EEL 213, 223 English Literature I, II</td>
<td>6</td>
</tr>
<tr>
<td>Upper Division electives in English</td>
<td></td>
</tr>
</tbody>
</table>

18 hours

Requirements for a minor in Humanities

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

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Art</td>
<td>Speech/Drama</td>
</tr>
<tr>
<td>Music</td>
<td>Language</td>
</tr>
</tbody>
</table>

AMERICAN LITERATURE

EAL 313  AMERICAN LITERATURE I  Every Fall/3 hours
A study of outstanding authors, their works and the literary movements from the Colonial Age to Romanticism (1850). Prerequisite: Junior standing.

EAL 323  AMERICAN LITERATURE II  Every Spring/3 hours
A study of Local Color, Realism and Naturalism, especially in prose and poetry from 1850 to World War I. Prerequisite: Junior standing.

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

For course description see TTL 400/400 on page 98.

400 VOLUNTEER TUTORING
TTL 300/400

Standing.

Subsequent development of a dramatist. Prerequisites: EFL 213 or junior standing.

A study of the major Shakespearean characters and techniques and of Shakespeare's plays.

EMB 423

EMB 396 on page 97.

For course description see ACC 396 on page 97.

DEPARTMENTAL TUTORING

Standing.

A study of the major Victorian poetry and prose and selected works from the period.

EMB 369

EMB 223

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

ETL 300/400

Prerequisites: EFL 223 or junior standing.

A study of the major American literature since World War I.

ETL 463

AMERICAN LITERATURE: MODERN
EHW 102 HONORS COMPOSITION AND LITERATURE  
Every Spring/3 hours
A course for those who have demonstrated good writing skills; students analyze selections from literature and write about the works, using a variety of expository methods. Emphasis is placed upon further development of writing skills. A research paper is written. Prerequisites: EHW 101 or EEW 101 and approval of instructor.

EEW 313 BUSINESS AND TECHNICAL WRITING  
Every semester/3 hours
A course designed to present the best practices in writing business communications and technical reports.

EEW 323 WRITING FOR PUBLICATION Spring, 1988, and alternate years/3 hours
A course designed for persons who want to translate the urge to write into a finished manuscript. The emphasis will be on non-fiction writing. May be repeated for a maximum of 6 hours.

EEW 343 ADVANCED COMPOSITION Spring, 1987, and alternate years/3 hours
A course for students interested in writing who wish to develop their skills in critical and non-fiction writing.

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

EEW 453 CREATIVE WRITING Fall, 1986, and alternate years/3 hours
A course for students who are particularly interested in writing fiction or poetry. May be repeated for a maximum of 6 hours.

EEW 483 SEMINAR IN WRITING Fall, 1987, and alternate years/3 hours
A course designed 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.

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

GENRE COURSES

ETL 333 THE SHORT STORY Fall, 1986, and alternate years/3 hours
A study of the short story, its development, the different types and an analysis of technique. Prerequisite: Junior standing.

ETL 409 ADOLESCENT LITERATURE On demand/3 hours
A course for students who wish to read and examine the literature being written for adolescents. Both the traditional and the more modern "realistic" novels for adolescents will be studied. Various teaching methods for this genre will also be emphasized.

ETL 413 THE NOVEL Fall, 1987, and alternate years/3 hours
A study in the development of the novel which includes reading and discussion of novels from different areas of the world. Novels not written in English will be studied in English translations. Prerequisite: Junior standing.

ETL 473 CHILDREN'S LITERATURE AND STORY TELLING Every Fall/3 hours
All types of children's literature from outstanding authors are surveyed through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of story telling are also studied.
Requirements for a major in Communications

Experiences, professional work in the field, provide a wide variety of
opportunities for students to gain practical experience in the field. The
majors will require a major's degree, preparing them for professional
positions in the field. Although some courses are
required, these courses are
intended to prepare the student
for professional work in the field.

The course of study for students
majoring in Communications
includes coursework in English,
Journalism, and Speech, which
work together to provide a
unique interdisciplinary
approach to the study of media
and communications.

The Communications major
includes coursework in English,
Journalism, and Speech.

DEGREE REQUIREMENTS - COMMUNICATIONS

COMMUNICATION OF JRN 213. Pre-requisite: JRN 230. (6 hours maximum)

SMALL NEWSPAPER JRN 313

Pre-requisite: JRN 230 or approval of instructor.
A course designed for students who have completed JRN 230 or its
equivalent. Students who have completed JRN 230 or its
equivalent will have the opportunity to expand their news writing
skills and experience, with special emphasis on the design and
organization of the newspaper.

ADVANCED NEWS WRITING JRN 300

A course designed for students who have completed the basic skills of
news writing. It includes an in-depth study of the principles of journalism as they apply to the
small newspaper.

ADVANCED NEWS WRITING JRN 300

A course designed for students who have completed the basic skills of
news writing. It includes an in-depth study of the principles of journalism as they apply to the
small newspaper.

ENGLISH GRAMMAR AND TEACHING

ADVANCED GRAMMAR ELC 363

A study of syntax, form, and mechanisms of English grammar in the light of its
historical development. The organization of material serves to demonstrate the
role of grammar in effective communication. Special emphasis is given to the development of
principles of instruction for persons who are planning to teach English as a second language.

THE TEACHING OF
An additional 12 hours chosen from the following courses:

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

36 hours

Recommended minors include Business, Theatre, or English.

The student should be proficient in typing or word processing.

**Requirements for a minor in Communications**

**Group 1: English Writing**

- EEW 313 Business and Technical Writing
- EEW 323 Writing for Publication
- EEW 343 Advanced Composition 6-12 hours
- EEW 453 Creative Writing
- EEW 483 Seminar in Writing
- JRN 213 Small Newspaper
- JRN 230 News Writing and Reporting

**Group II: Speech (From Performing Arts Dept.)**

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

18 hours

**DEGREE REQUIREMENTS - MODERN LANGUAGE**

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

Language courses should be taken consecutively.

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

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

FR 396

Continuation of FR 213
Intermediate French

FR 223

Intermediate French

FR 213

Continuation of FR 114, Prerequisite: FR 114 or equivalent
Elementary French

FR 114

An introductory conversation course and the fundamentals of grammar. Required of all beginning students.

French

University. Such a minor would not allow a minor in French or German. A minor in French or German may obtain a minor in French or German with the approval of the appropriate department and the appropriate committee. By special arrangement with the Academic Dean, a major in a major may complete such a minor in a major.

Minor in French and German

Dean, accredited college or university

Chairperson and the Academic Department Chairperson, the departmental
major professor, the departmental
upper division course material, and academic
transcript approved upper
may complete such a minor.

Students who wish to expand

20 hours

SPA 413 Spanish Literature

SPA 343 Spanish Composition

SPA 322 Intermediate Spanish

SPA 114 12 Elementary Spanish

Requirements for a minor in Spanish

Each foreign language to which
in which
they are to be assigned. Additional
additional information may be secured from
faculty personnel.

Department of Humanities 155
# German

**GER 114 ELEMENTARY GERMAN**  
Fall on demand/4 hours  
A program of study using a text-workbook, practice tapes, computer practice, and classroom experience to develop the fundamentals of hearing, speaking, reading, and writing.

**GER 124 ELEMENTARY GERMAN**  
Continuation of GER 114. Prerequisite: GER 114 or equivalent.

**GER 213 INTERMEDIATE GERMAN**  
Fall on demand/3 hours  
Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. Prerequisite: GER 124.*

**GER 223 INTERMEDIATE GERMAN**  
Continuation of GER 213.*  
Spring on demand/3 hours

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

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

# Spanish

**SPA 114 ELEMENTARY SPANISH**  
Every Fall/4 hours  
A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with cultural and historical readings and lessons.

**SPA 124 ELEMENTARY SPANISH**  
Continuation of SPA 114. Prerequisite: SPA 114 or equivalent.

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

**SPA 223 INTERMEDIATE SPANISH**  
Continuation of SPA 213.*  
Every Spring/3 hours

**SPA 343 SPANISH COMPOSITION THROUGH LITERATURE**  
Every Fall/3 hours  
A course designed to give the student practice in writing in Spanish about Spanish literature and current issues.

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

**SPA 413 SPANISH LITERATURE**  
Every Spring/3 hours  
Designed to expand the students' knowledge of Spanish literature and civilization and to advance their reading competence. Emphasis on oral self-expression.

**SPA 483 ADVANCED SPANISH CONVERSATION**  
Every Spring/3 hours  
An intensive conversation course with strong emphasis on correct usage and the nuanced related to Spanish grammar.

**TUT 300/400 VOLUNTEER TUTORING**  
Every semester  
For course description see TUT 300/400 on page 98.

*Upon recommendation of the instructor, a student may enroll in intermediate language courses as 4-hour courses, in which case special projects will be required.
Science Teaching
Degree Requirements
Computer Science Courses
Computer Science
Degree Requirements
Mathematics Courses
Mathematics
Degree Requirements
Physics Courses
Geology Courses
Chemistry Courses
Chemistry
Degree Requirements
Biology Courses
Biology
Degree Requirements
Preliminary—Preprofessional Departmental Description
Mathematics
Natural Sciences and
DEPARTMENT DESCRIPTION

The Department of Natural Sciences and Mathematics, as part of the liberal arts foundation of Grand Canyon College, provides every student with a broad introduction to science and mathematics at the college level. It stresses the spirit and method of science and the concepts and contributions of mathematics.

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

Through close association with the faculty, students not only acquire academic knowledge and technical skills but also learn to appreciate the social and economic contributions of science to society. The necessity of academic excellence, spiritual maturity, and social responsibility is stressed in all areas of study.

The department alerts students to career opportunities in each of its disciplines. In addition to pre-graduate or pre-professional studies, students may complete the basic science courses required for careers in technical fields such as medical technology, physical therapy, or pharmacy.

Departmental Seminar

All biology and chemistry majors must register for one semester of SCI 100: Senior Seminar and one semester of BIO 401 or CHE 401: Senior Seminar. SCI 100—which requires only attendance at the seminars—may be taken in either the junior or senior year. BIO 401 or CHE 401—which requires the presentation of at least one scholarly seminar—is taken during the senior year.

Competency Examination

All biology and chemistry majors must take an oral comprehensive examination during the senior year. This examination reviews fundamental principles learned in the major field and supporting fields.

DEGREE REQUIREMENTS - PREMEDICAL

Requirements for Premedicine, Predentistry, Preveterinary Medicine, or Pharmacy

Students who plan to apply for admission to medical, dental, veterinary medicine, or pharmacy schools may major in any discipline. However, the following courses are generally required:

- BIO 181, 182 General Biology: 8 hours
- CHE 114, 115 General Chemistry: 8 hours
- CHE 324, 325 Organic Chemistry: 8 hours
Requirements for a major in Biology

DEGREE REQUIREMENTS - BIOLOGY

SCI 100 DEPARTMENTAL SEMINAR

Students who plan to be Co-op eligible should consult the College and the Health Science Board. Health Science Co-op students should consult the Department of Natural Sciences and Mathematics.

6 hours

PHY 101, 102 OR EEW 101, 102

PHY 114, 115 OR PHY 111, 112

Mathematics

Department of Natural Sciences and Mathematics
Recommended for a major in Biology

CHE 314 Analytical Chemistry 5 hours
CHE 351 Biochemistry 4 hours
BIO 205 Microbiology 4 hours
MAT 270, 271 Analytical Geometry and Calculus I, II 8 hours
CS 133 Introduction to Computer Science 3 hours
Elective in Probability and Statistics 3 hours

Requirements for a major in Biology with Environmental Emphasis

BIO 181, 182 General Biology I, II 8 hours
BIO 290 Field Biology 4 hours
BIO 324, 325 Genetics and Genetics Lab 4 hours
BIO 364 Vertebrate Physiology 4 hours
BIO 381 Ecology 4 hours
Two of the following: 8 hours
  BIO 350 Invertebrate Zoology
  BIO 374 Aquatic Ecology
  BIO 384 Human Ecology
BIO 401 Senior Seminar 1 hour
CHE 114, 115 General Chemistry I, II 8 hours
CHE 324, 325 Organic Chemistry I, II 8 hours
PHY 111, 112 or 114, 115 Physics I, II 8 hours
SPC 113 Fundamentals of Speech 3 hours

Requirements for a major in Biology for Secondary Teachers

BIO 181, 182 General Biology I, II 8 hours
BIO 324, 325 Genetics and Genetics Lab 4 hours
BIO 201 Human Anatomy and Physiology 4 hours
One of the following: 4 hours
  BIO 290 Field Biology
  BIO 381 Ecology
BIO 401 Senior Seminar 1 hour
Electives in Biology 12 hours
CHE 101, 102 Introduction to Chemistry (unless Chemistry minor) or CHE 114, 115 General Chemistry I, II (required for Chemistry minors) 8 hours
PHY 111 or 112 Intermediate Physics I, II 4 hours
Certification in Secondary Education 36 hours
Minor in Chemistry, Psychology, or other subject 12-18 hours
**Microbiology**

BIO 205

Pre-requisite: BIO 181. BIO 182 or permission of Instructor. A study of the structure and function of the following human systems:

**Human Anatomy and Physiology II**

BIO 202

Pre-requisite: BIO 181. This course is elective. This class, together with the theory portion of PHYS 101 or permission of Instructor. This course is required for a degree in Biological Sciences.

**Human Anatomy and Physiology I**

BIO 201

Instructor: This course is elective. This class, together with the theory portion of PHYS 101 or permission of Instructor. This course is required for a degree in Biological Sciences.

**General Biology II**

BIO 182

Instructor: This course is elective. This class, together with the theory portion of PHYS 101 or permission of Instructor. This course is required for a degree in Biological Sciences.

**Human Biology**

BIO 100

A comprehensive introduction to biology. The first semester will cover topics such as anatomy and physiology, genetics, evolution, and ecology. The second semester will cover topics such as ecology, evolution, and human physiology. This course is required for a degree in Biological Sciences.

**Biology**

Students desiring a teaching certification must take at least 12 hours for a minor.

Electives in Biology (Upper Division Courses)

8 hours

BIO 181, 182 General Biology I, II

Requirements for a major in Biology

Department of Natural Sciences and Mathematics
BIO 290  FIELD BIOLOGY  Fall, 1986, and alternate years/4 hours
A study of the basic field relationships of plants and animals. This course includes the basic concepts of plant and animal science and basic ecology. The student will learn the methods of field study, observation, classification, identification, collection, and preservation. 3 hrs lecture, 3 hrs lab. Prerequisite: BIO 181, 182.

BIO 324  GENETICS  Every Spring/3 hours
A study of the principles of heredity including molecular aspects, basic Mendelian genetics, and population genetics. 3 hrs lecture. Prerequisites: BIO 181, 182 or permission of instructor.

BIO 325  GENETICS LABORATORY  Every Spring/1 hour
Laboratory experiments in genetics utilizing bacteria, fungi, and Drosophila melanogaster. Current matriculation in BIO 324. 3 hrs lab.

BIO 350  INVERTEBRATE ZOOLOGY  Every Fall/4 hours
A systematic overview of the invertebrates with emphasis on the free-living invertebrates. Morphology, biology, phylogeny, and selected topics in embryology and physiology will be studied for all animal phyla from the protozoa through the invertebrate chordates. 3 hrs lecture, 3 hrs lab. Prerequisite: BIO 181, 182.

BIO 364  VERTEBRATE PHYSIOLOGY  Every Spring/4 hours
A study of the functions of cells, organs, and systems of vertebrates, with the emphasis on humans. 3 hrs lecture, 3 hrs lab. Prerequisite: BIO 181, 182.

BIO 373  VERTEBRATE ANATOMY  Every Fall/4 hours
A study of the structure of vertebrates from fish through mammals, with the emphasis on mammals. The laboratory includes a dissection of human cadavers. 2 hrs lecture, 6 hrs lab. Prerequisite: BIO 181, 182.

BIO 374  AQUATIC ECOLOGY  Spring, 1987, and alternate years/4 hours
An ecological study of the plants and animals which live in and around water. The effect of man on aquatic ecosystems, and the water needs of man. Laboratory investigation in water analysis and aquatic ecosystems survey techniques. Prerequisite: BIO 181, 182.

BIO 381  ECOLOGY  Every Spring/4 hours
A study of theoretical and applied ecology. Adaptations of organisms to their physical and biological environments, including predation, competition, and life history patterns. Other topics include ecological genetics and evolution, and the ecology of populations, communities and ecosystems. Prerequisites: BIO 181, 182.

BIO 384  HUMAN ECOLOGY  Fall, 1987, and alternate years/4 hours
Also SOC 384. A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences.

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

BIO 399  PRACTICUM  See page 75.

BIO 401  SENIOR SEMINAR  Every semester/1 hour
All graduates are required to prepare and present a scholarly seminar before the science faculty and students. Students should register for this course during the semester in which they plan to give their senior seminar.
## Chemistry

* Students desiring teaching certification must take at least 44 hours for a minor.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective in Chemistry</td>
<td>4 hours</td>
</tr>
<tr>
<td><strong>CHE 324 325 Organic Chemistry I, II</strong></td>
<td>8 hours</td>
</tr>
<tr>
<td><strong>CHE 114, 115 General Chemistry I, II</strong></td>
<td>8 hours</td>
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</tbody>
</table>

### Requirements for a major in Chemistry

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHY 114, 115 Physics I, II</strong></td>
<td>8 hours</td>
</tr>
<tr>
<td><strong>MAT 220, 221 Calculus I, II</strong></td>
<td>8 hours</td>
</tr>
<tr>
<td><strong>CHE 444, 445 Physical Chemistry I, II</strong></td>
<td>8 hours</td>
</tr>
<tr>
<td><strong>CHE 315 Biochemistry</strong></td>
<td>1 hour</td>
</tr>
<tr>
<td><strong>CHE 314 Analytical Chemistry</strong></td>
<td>4 hours</td>
</tr>
<tr>
<td><strong>CHE 324, 325 Organic Chemistry I, II</strong></td>
<td>8 hours</td>
</tr>
<tr>
<td><strong>CHE 114, 115 General Chemistry I, II</strong></td>
<td>8 hours</td>
</tr>
</tbody>
</table>

### Degree Requirements - Chemistry

- For course description see T.U.T. 300/400
- **CHE 114** 400 Volunteer Tutoring
- See page 74. May be repeated for credit.
- **CHE 448 499 Independent Study**
- **CHE 490 Research in Biology**: 9 hours of credit. 3 credits must be taken in the major. 3 credits may be taken in other disciplines. May be repeated for up to 9 hours.
- **CHE 498 Research in Biology**: 1-3 hours

### Degree Requirements - Biology

- **BIO 448 Independent Study**: 1-4 hours
- **BIO 449 Research in Biology**: 1-4 hours
- **BIO 473 Advanced Topics in Biology**: 1-4 hours
- **BIO 490 Embryology**: 1-4 hours
- **BIO 492 Parasitology**: 1-4 hours

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Department of Natural Sciences and Mathematics
CHE 102  INTRODUCTION TO ORGANIC AND BIOCHEMISTRY  
Continuation of CHE 101. Survey of the properties and reactions of organic compounds, with emphasis on the chemical nature of biological processes. Topics covered include identification and reactions of organic compounds, protein structure and function, carbohydrates and lipids, and nucleic acids, and the biological production and use of energy. 3 hrs lecture, 3 hrs lab. 
Prerequisite: CHE 101.

CHE 114  GENERAL CHEMISTRY I  
An exploration of the principles of modern chemistry. Topics covered include the chemical and physical properties of elements and compounds, reaction stoichiometry, equilibria, and energetics, atomic and molecular structure. 3 hrs lecture, 3 hrs lab. Prerequisite: A mathematics competency test is required prior to registration in this course.

CHE 115  GENERAL CHEMISTRY II  
Continuation of CHE 114. Topics include thermodynamics, descriptive chemistry of the elements, electrochemistry, nuclear chemistry, and kinetics. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 114.

CHE 314  ANALYTICAL CHEMISTRY  
Principles of quantitative and instrumental analysis. Topics include titrimetric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. 3 hrs lecture, 6 hrs lab. 
Prerequisite: CHE 115.

CHE 324  ORGANIC CHEMISTRY I  
Systematic study of the chemistry of carbon compounds. Structure, synthesis, reactions, and analysis of aliphatic and aromatic compounds are covered. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 115.

CHE 325  ORGANIC CHEMISTRY II  
Continuation of CHE 324. Analysis and reactions of organic functional groups, and the relationship of structure to reaction mechanisms are covered. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 324.

CHE 351  BIOCHEMISTRY  
Study of the chemical basis of biological processes. Topics covered include protein structure and function, carbohydrate and lipid chemistry, nucleic acids and genetic function, biological energy production, and photosynthesis. 3 hrs lecture, 4 hrs lab. Prerequisite: CHE 324.

CHE 396  DEPARTMENTAL TUTORING  
For course description see ACC 396 on page 97.

CHE 399  PRACTICUM  
See page 75. May be repeated for credit.

CHE 401  SENIOR SEMINAR  
All graduates in Chemistry are required to prepare and present a scholarly seminar before the science faculty and students. Students should register for this course during the semester in which they plan to give their senior seminar.

CHE 424  PHYSICAL CHEMISTRY I  
A study of the physical and chemical behavior of gases, liquids, solids, and solutions. Treatment includes thermodynamics, electrochemistry, and the kinetic molecular theory of ideal and non-ideal gases. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 115 and MAT 271.
PHYSICS

Course development is stressed. Field and laboratory experiences are included. Introduction to the natural laws of the universe. Field experiences are supplemented by laboratory instruction and laboratory experiences. The study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the general student. Included: Will count as a laboratory science for General Studies.

EVS 114 GENERAL GEOLOGY

TEST 100
Voluntary Tutoring

CHE 499 INDEPENDENT STUDY

CHE 499 Research in Chemistry

CHE 425 Physical Chemistry II

Department of Natural Sciences and Mathematics
DEGREE REQUIREMENTS - MATHEMATICS

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

MAT 270, 271, 272: Calculus I, II, and III 12 hours
Mathematics electives from 213 or Upper Division 15 hours
MAT 363 Probability and Statistics 3 hours
CS 203 Beginning Structured Programming 3 hours
Computer Science Elective 3 hours
PHY 114, 115 General Physics 8 hours

Requirements for a minor in Mathematics*

MAT 270, 271 8 hours
Electives from MAT 213, 272, or Computer Science 6 hours
Upper Division Electives in Mathematics 4 hours

* Students desiring teaching certification must take at least 24 hours for a minor.

MATHEMATICS

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

MAT 095 ELEMENTARY ALGEBRA
Basic concepts of Algebra for students with inadequate preparation in mathematics. Does not satisfy the general education requirement in mathematics or apply to graduation requirements. Every semester/3 hours

MAT 113 LIBERAL ARTS MATHEMATICS
An introduction to various mathematical concepts, with emphasis on the methods and processes of mathematics. Topics from sets, logic, functions, and mathematical systems are included. Recommended for majors in elementary education. Every semester/3 hours

MAT 120 INTERMEDIATE ALGEBRA
Prerequisite: Placement counseling and one year of high school algebra. Every semester/3 hours

MAT 121 COLLEGE ALGEBRA AND TRIGONOMETRY
Prerequisite: Placement counseling and two years of high school algebra, or MAT 120. Every Spring/3 hours

MAT 213 COLLEGE GEOMETRY
Spring, 1987, and alternate years/3 hours
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.

MAT 270 ANALYTIC GEOMETRY AND CALCULUS I
Every Fall/4 hours
A study of concepts of limits, differentiation and integration of algebraic and elementary functions. Prerequisite: MAT 120, 121 or the high school equivalent.
MAT 396   DEPARTMENTAL TUTORING

MAT 047   ADVANCED TOPICS IN MATHEMATICS

MAT 473   THEORETICAL DISCIPLINES IN MATHEMATICS

MAT 422   ABSTRACT ALGEBRA

MAT 413   LINEAR ALGEBRA

MAT 333   REAL ANALYSIS I

MAT 334   REAL ANALYSIS II

MAT 313   SET THEORY AND SYMBOLIC LOGIC

MAT 211   ANALYTIC GEOMETRY AND CALCULUS I

MAT 221   ANALYTIC GEOMETRY AND CALCULUS II

MAT 270, 271, 272   PROBABILITY AND STATISTICS FOR MATHEMATICS

MAT 272   GEOMETRY, SCIENCE, AND SCIENCE

MAT 271   MATHEMATICS

MAT 270   MATHEMATICS
DEGREE REQUIREMENTS - COMPUTER SCIENCE

Requirements for a major in Computer Science

CS 133, 203, 213, 301, 303, 310, 413, 420, 430 27 hours
Computer Science Electives
(6 hours Upper Division) 9 hours
MAT 270, 271 Calculus I and II 8 hours
MAT 313 Set Theory and Symbolic Logic 3 hours
MAT 363 Probability and Statistics 3 hours
CS 480 Readings from the Literature 3 hours
Elective in Public Speaking 3 hours

Requirements for a major in Computer Science for Secondary Teachers

CS 133 Introduction to Computer Science 3 hours
CS 203 Beginning Structured Programming 3 hours
CS 213 Intermediate Structured Programming 3 hours
CS 356 Programming for Teachers 3 hours
EDU 355 Using Computers in the Classroom 3 hours
CS 333 Computer Curriculum Management 3 hours
Electives in Computer Science 12 hours
Certification in Secondary Education 36 hours
A Teaching Minor 24 hours

Requirements for a minor in Computer Science*

CS 203 Beginning Structured Programming 3 hours
CS 213 Intermediate Structured Programming 3 hours
Electives in Computer Science (6 hours Upper Division) 12 hours

* Students desiring teaching certification must take at least 24 hours for a minor.

COMPUTER SCIENCE

CS 133 INTRODUCTION TO COMPUTER SCIENCE  Every semester/3 hours
A basic study of applications of electronic data processing; basic concepts of flowcharting, problem solution, and programming.

CS 134 COMPUTER SCIENCE LAB FOR CS 133  Every semester/No credit

CS 203 BEGINNING STRUCTURED PROGRAMMING  Every semester/3 hours
An introductory study of structured programming using the language FORTRAN. Topics include: computer organization, problem solving, algorithm design, and flowcharting.

CS 213 INTERMEDIATE STRUCTURED PROGRAMMING  Every semester/3 hours
A continued study of structured programming, using the language Pascal. Topics include: debugging and testing, string processing, internal searching and sorting, data structures, and recursion. Prerequisite: CS 203.
SOFTWARE ENGINEERING

Topics include: Algorithm analysis and design, program organization and management, resource estimation, and project control. Prerequisites: CS 398.

A study of the problems involved in producing large pieces of software. Every Spring/3 hours

OPERATING SYSTEMS

Programming, Process control: CS 308.

A study of several different operating systems and operating system structure in general. Topics include: Dynamic process allocation, system structure, and the evaluation of these systems. Also included will be a brief look at a large data base system. Every Fall/3 hours

STRUCTURES

Introduction to Data

Sec page 75, May be repeated for credit.

Every semester/1-4 hours

Every semester/2 hours

ACCT 396 on page 97.

For course description see

DEPARTMENTAL INTRODUCING FOR

PROGRAMMING FOR

COMPUTER CURRICULUM

Teachercs

Prerequisite: Permission of instructor.

An in-depth study of one particular topic each semester. May be repeated.

Every semester/3 hours

Topics in Computer Science

Prerequisites: CS 308.

Structures: imperative languages and textual analysis and parsing.

Every Fall/3 hours

Survey of Languages

Assemble Language

Prerequisites: CS 308.

A study of the structure of several high-level languages. Topics include: the definition of a language, high-level languages, and the design and construction of a language. Every semester/3 hours

Programming

Assembler Languages

Prerequisites: CS 303.

A supervised independent study of the structure and language of a microprocessor. Topics include: basic logic design, the microprocessor, instruction set, and assembly programming. Every semester/3 hours

Cobol

Cobol, emphasis on business applications.

Every semester/3 hours

Departments of Natural Sciences and Mathematics 169
CS 480  READINGS IN CURRENT LITERATURE  Every semester/3 hours
A supervised self-paced course involving an appropriate amount of reading in current computer science topics, including the preparation and presentation of a paper at a senior seminar. Prerequisite: Senior standing.

CS 498  RESEARCH IN COMPUTER SCIENCE  Every semester/1-3 hours
A detailed study of one or more problems in computer science. May be repeated for up to 9 hours of credit, 3 of which may count toward electives in computer science. Prerequisite: Consultation with and permission of instructor.

CS 499  INDEPENDENT STUDY  Every semester/1-4 hours
See page 74. May be repeated for credit.

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

DEGREE REQUIREMENTS - SCIENCE TEACHING

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

Requirements for a major in Science Teaching

BIO 181, 182 General Biology I and II  8 hours
CHE 101 Introduction to Chemistry  4 hours
CHE 102 Introduction to Organic and Biochemistry  4 hours
PHY 111, 112 Intermediate Physics I and II  8 hours
PHY 104 Astronomy  3 hours
EVS 114 General Geology  4 hours
CS 133 Introduction to Computer Science  3 hours
Elective in Biology  4 hours
Major in Elementary Education  47 hours

Requirements for a minor in Science Teaching

BIO 181, 182 General Biology  8 hours
CHE 101 Introduction to Chemistry  4 hours
PHY 104 or 111 or 112 Physics  4 hours
Electives in Biology, Chemistry, Physics, or Geology  8 hours
Major in Elementary Education  47 hours
DEPARTMENT DESCRIPTION

A student in the Performing Arts Department may obtain a B.A. or B.S. degree in five major areas (B.A.: Applied and Church Music, and Theatre/Speech; B.S.: Music Education and Church Music) with a choice of 20 possible major emphases. Depending upon proficiency and background, some courses are open to non-majors and minors; admission may be determined by audition or conference with instructors. Many of the skill courses, such as applied music, are very demanding, and students who major or minor in the Performing Arts, or who elect to take courses in applied music should be aware at the time of enrollment of the necessary demands upon their time for practice and performance.

MUSIC DEGREES

Students majoring in music may take a Bachelor of Arts degree in applied music, church music, or theory, or a Bachelor of Science degree in music education. Minors are available in church music, music education and a non-teaching music emphasis.

Music Regulations

Specific requirements are listed in the Music Student Handbook, available in the Departmental Office. Majors and minors are responsible for meeting these requirements.

Participation in Group Performance

Seven satisfactory semesters of participation for music majors and three semesters for music minors must be fulfilled in the major Instrumental and Choral Ensembles. Non-majors and non-minors may audition for these groups.

RECITALS

Those music majors enrolled in the B.S. degree program in music education are required to give a thirty-minute recital in their major area of concentration. Music majors enrolled in the B.A. program in applied music or church music are required to give a thirty-minute and an hour recital.

MUSIC THEORY

The study of music theory is designed for music majors and minors, and should be begun in the first semester of the freshman year unless otherwise approved. A basic fundamentals of music class is offered each Fall and Spring semester for students needing remedial work prior to enrollment in Theory I; no degree credit is given majors or minors, but non-majors and non-minors may receive elective credit for this course.
Placed at Grand Canyon, which a transfer student is required during all semesters in attendance. Satisfactory social attendance is required. Pre-requisite: All prerequisite faculty must be met.

**Placement of Transfer Students**

Students with two years of college study within the first two years of complete the proficiency exam. The student is required to audition, and appropriate literature, technique, sight-reading, and orchestration. All music majors, primarily emphasis is placed on basic applied music or theory. A minimum keyboard proficiency is required.

**Piano Proficiency Examinations**

Grade: Quality of performance and position of the final semester jury of music faculty members as exhibit evidence of growth should be exhibited in accordance with jury evidence of growth should be. All music majors and minors will be re-scheduled.

**Applied Music Jury Examination**

Lessons from Private

**Absence**

 (***) Strongly recommended for all music majors and minors.

(*) Not recommended for majors or minors.

| Lesson Length | Credit
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>30 minutes</td>
<td>1**</td>
</tr>
<tr>
<td>60 minutes</td>
<td>2**</td>
</tr>
</tbody>
</table>

Length of credit hours to be received:

Length of lesson time is determined by the number of credit hours to be received.

Length

Department of Performing Arts

13
STUDENT TEACHING

The following music requirements must be completed prior to admission to student teaching in music.

1. Acceptance into the College of Education and completion of all Education requirements.

2. Completion of the following tests:
   a. Piano Proficiency Examination
   b. Instrumental Proficiency Examinations (brass, woodwinds, strings, and percussion)
   c. Completion of Senior Recital.

3. Completion of the following laboratory requirements:
   a. Seven semesters of major ensemble
   b. For keyboard concentrations, a minimum of two semesters of Studio Accompanying
   c. MED 381 Music in the Elementary Grades or MED 382 Music in the Junior and Senior High School
   d. Seven semesters of satisfactory recital attendance

MUSIC SCHOLARSHIPS

Music scholarships are available in all of the applied areas. Application for these scholarships should be made through the Performing Arts Coordinator. (voice, piano, instrumental). Specifics for scholarship renewal can be found in the “Music Handbook.”
(6) in Music Education: 7 hours, except theory emphasis: 4 hours

(8) semesters, 7, MUS ED

4+3 and/or

Major Ensembles (7 semesters, according to 0 hours

MUS 120 Piano Proficiency

MAP Major and/or Instrumental Music: (3 hours

MUS 191, 192, 291, 292 Theory

Core Hours (all majors)

Required hours for a major in Music

DEGREE REQUIREMENTS - MUSIC

Conducting

Unit

Voice

Theory

Keyboard

Instructional (6 credit hours)

+ Education Hours

(no minor)

Bachelor of Science

Music Education:

(no minor)

Bachelor of Arts

Church Music:

(no minor)

Bachelor of Arts in Performance Arts

The Department of Performing Arts offers two degrees in music:

DEGREE PROGRAMS

Department of Performing Arts
Additional Required Hours  
Bachelor of Arts degree:  
**Option I: Applied Music**

### Emphasis 1: Instrumental
- MAP Major Applied Instrument: 8 hours
- MAP Applied Keyboard: 1 hour
- MAP 390 Junior Recital: 0 hours
- MAP 490 Senior Recital: 0 hours

Total: 9 hours

### Emphasis 2: Organ
- MAP Applied Organ: 8 hours
- MUS 391 Counterpoint: 2 hours
- MAP 390 Junior Recital: 0 hours
- MAP 490 Senior Recital: 0 hours
- MUS 429 Studio Accompanying: 2 hours
- MUS 421 Organ Lit and Accompanying: 1 hour

Total: 13 hours

### Emphasis 3: Piano
- MAP Applied Piano: 8 hours
- MUS 391 Counterpoint: 2 hours
- MAP 390 Junior Recital: 0 hours
- MAP 490 Senior Recital: 0 hours
- MUS 429 Studio Accompanying: 2 hours

Total: 12 hours

### Emphasis 4: Voice
- MAP Applied Voice: 8 hours
- MAP Applied Keyboard: 1 hour
- MAP 390 Junior Recital: 0 hours
- MAP 490 Senior Recital: 0 hours
- MUS 111,112,211 Diction I, II, III: 3 hours
- MUS 481 Vocal Pedagogy (Recommended)
  (Recommended hours: 2)

Total: 12 hours

### Emphasis 5: Classical Guitar
- MAP Applied Classical Guitar: 6 hours
- MAP Applied Studio Guitar: 2 hours
- MAP Applied Keyboard: 1 hour
- MAP 390 Junior Recital: 0 hours
- MAP 490 Senior Recital: 0 hours

Total: 9 hours

(of the 16 hours of applied guitar taken 14 are to be of classical guitar, and 2 of studio guitar.)
30 hours
1 hour
2 hours
6 hours

MUS 117 Voice
MAP 119, 219 Applied Voice
MAP Major Applied Instrument

Emphasis I: Instrumental

(8 semesters)

0 hours
0 hours
0 hours
2 hours
2 hours
3 hours
2 hours

MUS 000 Recital Attendance
MAP 400 Senior Recital
MAP 300 Junior Recital
MUS 391 Counterpoint
MUS 382 Conducting II
MUS 167 Class Guitar

MED 111 Music in Elementary Grades

MED 241, 251, 232, 262 Upper Classes

MCH 282 Chinese Music Seminar/Practicum

MCH 378 Chinese Music History

MCH 372 Hymnology

MCH 371 Literature and Worship

(see Core pp. 117)

Option II: Church Music (no minor required)

15 hours

2 hours
2 hours
6 hours
2 hours
0 hours
2 hours
1 hour

MUS 462 Orchestration

MUS 411 Choral Arrangement

MUS 389, 489 Applied Theory

MUS 492 Modern Harmony

MAP 490 Senior Recital

MAP 390 Junior Recital

MUS 391 Counterpoint

MAP Applied Keyboard Major

Emphasis 2: Theory

(2 hours)

11 hours

2 hour
2 hour
0 hours
0 hours
4 hours
4 hours

MUS 320 Jazz Improvisation

MED 351 Instrumental Music Organizations

MAP 490 Senior Recital

MAP 390 Junior Recital

MAP Applied Classical Guitar

MAP Applied Studio Guitar

Emphasis 6: Studio Guitar
Emphasis 2: Keyboard
MAP Major Applied Keyboard 6 hours
MUS 429 Studio Accompanying 2 hours
29 hours

Emphasis 3: Voice
MAP Applied Voice 6 hours
MUS 481 Vocal Pedagogy 2 hours
MUS 111, 112, 211 Diction I, II, III 3 hours
32 hours

Emphasis 4: Theory
MAP Major Applied Instrumental/Voice 4 hours
(In overall applied hours, 4 must be in Voice)
MUS 492 Modern Harmony 2 hours
MUS 411 Choral Arranging 2 hours
MUS 462 Orchestration 2 hours
MAP 389, 489 Applied Theory 6 hours
37 hours

Bachelor of Science degree:
Music Education (No minor required)
(For persons planning to teach public school music)

One who desires to work toward certification for teaching music in elementary or high school works toward the Bachelor of Science, following the General Education Program for Teacher Education as outlined on page 109. For the major in music education, one meets all basic requirements listed below plus the special requirements listed in the fields of concentration. The student also meets the requirements for Elementary or Secondary Certificate (see pages 109-113) which, together with the requirements for the major in music education, will entitle the graduate to a K-12 Endorsement to teach music in public schools. Before being admitted to student teaching in music, one must also meet the Music Department prerequisites to student teaching (see page 174).

MED 232, 241, 251, 262 Instrument Classes 4 hours
MED 381 Music in Elementary Grades (K-8) 3 hours
MED 382 Music in Junior and Senior H.S. 3 hours
(K-12 — Secondary only)
MUS 167 Class Guitar 1 hour
MUS 382 Conducting II 2 hours
MUS 009 Recital Attendance 0 hours
(7 semesters)

Note: Students who wish to qualify for K-12 endorsement must include MED 381 and MED 382.
Plus education hours required for certification.
### Emphasis: Conducting Concentration

- **30 hours**
  - 0 hours
  - 1 hour
  - 6 hours
  - 2 hours
  - 2 hours
  - 2 hours

### Emphasis: Theory

- **19 hours**
  - 0 hours
  - 2 hours
  - 1 hour
  - 2 hours
  - 1 hour

### Emphasis: Guitar

- **20 hours**
  - 0 hours
  - 2 hours
  - 2 hours

### Emphasis: Voice

- **17 hours**
  - 0 hours
  - 2 hours

---

*Note: MUS 429 Studio Accompaniment may be substituted for ensemble hours.*

---

(Map 390 Junior Recital)

Additional Applied Voice/Inst.

(Map 389, 489 Applied Theory)

(MUS 462 Orchestra)

(MUS 320 Jazz Improvisation)

(MED 351 Instrumental Music Organizations)

(MAP Additional Guitar)

(Guitar)

(MAP 390 Junior Recital)

(MUS 411 Choral Arranging)

(MUS 481 Vocal Pedagogy)

(MUS 111, 112, 211 Direction I, II, III)

(MAP 390 Junior Recital)

(MUS 442 Orchestra or Choral Art)

(MUS 391 Conductors)

(MAP 390 Junior Recital)

(MUS 429 Orchestra or Choral Art)

(MED 351 Instrumental Music Organizations)

(Keyboard)

(Keyboard)
### Choral Conducting: Emphasis in Voice

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP Applied Voice, Jr/Sr (minimum 7 hours to be audited)</td>
<td>0</td>
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<tr>
<td>MAP Applied Keyboard</td>
<td>1</td>
</tr>
<tr>
<td>MUS 391 Counterpoint</td>
<td>2</td>
</tr>
<tr>
<td>MUS 403 Advanced Rehearsal Technique</td>
<td>3</td>
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<tr>
<td>MUS 411 Choral Arranging</td>
<td>2</td>
</tr>
<tr>
<td>MUS 481 Vocal Pedagogy</td>
<td>2</td>
</tr>
<tr>
<td>MUS 111, 112, 211 Diction I, II, III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 405 Conducting Practicum</td>
<td>1</td>
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<tr>
<td>MAP 490 Senior Recital</td>
<td>0</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
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### Choral Conducting: Emphasis in Piano

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<thead>
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<tbody>
<tr>
<td>MAP Applied Piano, Jr/Sr (minimum 7 hours to be audited)</td>
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<tr>
<td>MAP Applied Voice</td>
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<tr>
<td>MUS 391 Counterpoint</td>
<td>2</td>
</tr>
<tr>
<td>MUS 403 Advanced Rehearsal Techniques</td>
<td>3</td>
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<tr>
<td>MUS 411 Choral Arranging</td>
<td>2</td>
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<tr>
<td>MUS 481 Vocal Pedagogy</td>
<td>2</td>
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<tr>
<td>MUS 111, 112, 211 Diction I, II, III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 405 Conducting Practicum</td>
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<tr>
<td>MAP 490 Senior Recital</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>24</strong></td>
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</tbody>
</table>
Requirements for a Church Music minor

22 (25) hours

- MUS 38I Conducting I
- MUS 37I Elementary Theory I
- MUS 32I Music History I or II
- MUS 31I Elementary Theory I or II (Voice emphasis only)
- MUS 060 Recital Attendance (4 semesters)
- MUS 422 Instrumental Literature and Style
- MUS 462 Interview:
- MUS 490 Senior Recital
- MUS 495 Conducting Internship
- MUS 431 Instrumental Organizations
- MUS 432 Conducting Practicum
- MUS 442 Conducting Practicum
- MUS 464 Conducting Practicum
- MUS 480 Conducting Practicum
- MUS 490 Conducting Practicum
- MUS 495 Conducting Internship
- MUS 499 Senior Recital

Requirements for a Music Education minor

23 hours

- MUS 38I Conducting I
- MUS 37I Elementary Theory I
- MUS 32I Music History I or II
- MUS 31I Elementary Theory I or II (Voice emphasis only)
- MUS 060 Recital Attendance (4 semesters)
- MUS 422 Instrumental Literature and Style
- MUS 462 Interview:
- MUS 490 Senior Recital
- MUS 495 Conducting Internship
- MUS 431 Instrumental Organizations
- MUS 432 Conducting Practicum
- MUS 442 Conducting Practicum
- MUS 464 Conducting Practicum
- MUS 480 Conducting Practicum
- MUS 490 Conducting Practicum
- MUS 495 Conducting Internship
- MUS 499 Senior Recital

Programs offered for Music minors

23 hours

- MUS 490 Senior Recital
- MUS 495 Conducting Internship
- MUS 431 Instrumental Organizations
- MUS 432 Conducting Practicum
- MUS 442 Conducting Practicum
- MUS 464 Conducting Practicum
- MUS 480 Conducting Practicum
- MUS 490 Conducting Practicum
- MUS 495 Conducting Internship
- MUS 499 Senior Recital

Instrumental Conducting: Emphasis in Winds

- Minimum 7 hours to be elected
- MAP Applied Instrument
- MUS 422 Instrumental Literature and Style
- MUS 462 Interview:
- MUS 490 Senior Recital
- MUS 495 Conducting Internship
- MUS 431 Instrumental Organizations
- MUS 432 Conducting Practicum
- MUS 442 Conducting Practicum
- MUS 464 Conducting Practicum
- MUS 480 Conducting Practicum
- MUS 490 Conducting Practicum
- MUS 495 Conducting Internship
- MUS 499 Senior Recital
Requirements for a non-teaching minor in Music

MAP Major applied instrument or voice 4 hours
MAP Secondary applied in keyboard or voice 3 hours
MEN 119, 129, 139, 149, 169, MUS 429 3 hours
MUS 009 Recital Attendance (4 semesters) 0 hours
MUS 111, 112, 211 It, Fr, Ger Diction (voice emphasis only) 3 hours
MUS 191 Elementary Theory I 4 hours
MUS 371 or MUS 372 Music History I, or II 3 hours
MUS 381 Conducting I 2 hours

19 (22) hours

It is recommended that all Music Education minors take, as electives, MUS 471 Music Literature and the two instrument classes which are not required; also, that voice emphasis students in all the music minors elect to take MUS 481 Vocal Pedagogy.

MUSIC

APPLIED MUSIC

All applied music courses are designed to be repeated once. Amount of credit given is based upon required practice (see page 173). Consent of instructor is necessary for all enrollments.

MAP 109 BASIC PIANO
Private instruction for the non-music major with no previous piano training. A jury examination is not required. May be repeated to a maximum of four hours, but does not count toward a music major or minor.

MAP 119 APPLIED VOICE
A study of vocal technique, including fundamentals of voice production, principles of breathing, study of vowels, and essentials of tone production. Instruction includes vocalizes, phrasing, tone color, diction, style and interpretation of standard vocal repertoire.

MAP 219 APPLIED VOICE
Continuation of MAP 119. Prerequisite: MAP 119.

MAP 319 APPLIED VOICE
Continuation of MAP 219. Designed to prepare for Junior Recital. Prerequisites: MAP 219, junior standing, completion of Diction requirements, successful passing of a Voice Upper Level Proficiency Jury.

MAP 419 APPLIED VOICE
Continuation of MAP 319. Designed to work toward Senior Recital. Prerequisites: MAP 319 and Senior standing.

MAP 389 APPLIED THEORY
Private instruction in composition. Designed to provide background for the production of senior composition.
APPLIED KEYBOARD/PIANO

Map 329

Preparation of Map 229. Designed to prepare for a Junior Recital.
Every semester/2 hours

APPLIED KEYBOARD/Organ

Map 429

Preparation of Map 229 and Junior standing.
Every semester/2 hours

APPLIED KEYBOARD/Organ

Map 329

Preparation of Map 129. Designed to prepare for a Junior Recital.
Every semester/2 hours

APPLIED KEYBOARD/Organ

Map 429

Preparation of Map 129. Designed to prepare for a Junior Recital.
Every semester/2 hours

Department of Performing Arts
MAP 429 APPLIED KEYBOARD/PIANO
Continuation of MAP 329. Designed to work toward a Senior Recital.
Prerequisites: MAP 329 and Senior standing.

MAP 139 APPLIED WOODWINDS
Private instruction in a woodwind instrument, study of fundamentals of
tone production, scales and technique for playing the instrument of the
student’s choice. Solo selections are studied from recognized composers.

MAP 239 APPLIED WOODWINDS
Continuation of MAP 139. Prerequisite: MAP 139.

MAP 339 APPLIED WOODWINDS
Continuation of MAP 239. Designed to prepare for a Junior Recital.
Prerequisites: MAP 239 and Junior standing.

MAP 439 APPLIED WOODWINDS
Continuation of MAP 339. Designed to prepare for a Senior Recital.
Prerequisites: MAP 339 and Senior standing.

MAP 149 APPLIED BRASS
Private instruction in a brass instrument of the student’s choice. Same
format as MAP 139 (above).

MAP 249 APPLIED BRASS
Continuation of MAP 149. Prerequisite: MAP 149.

MAP 349 APPLIED BRASS
Continuation of MAP 249. Designed to prepare for a Junior Recital.
Prerequisites: MAP 249 and Junior standing.

MAP 449 APPLIED BRASS
Continuation of MAP 349. Designed to prepare for a Senior Recital.
Prerequisites: MAP 259 and Junior standing.

MAP 159 APPLIED PERCUSSION
Private instruction in a percussion instrument of the student’s choice. Same
format as MAP 139 (above).

MAP 259 APPLIED PERCUSSION
Continuation of MAP 159. Prerequisite: MAP 159.

MAP 359 APPLIED PERCUSSION
Continuation of MAP 259. Designed to prepare for a Junior Recital.
Prerequisites: MAP 259 and Junior standing.

MAP 459 APPLIED PERCUSSION
Continuation of MAP 359. Designed to prepare for a Senior Recital.
Prerequisites: MAP 359 and Senior standing.

MAP 169 APPLIED STRINGS/
ORCHESTRAL INSTRUMENTS
Violin, Viola, Cello, String Bass private instruction. Same format as MAP
139 (above).

Upon demand/1–2 hours
Volunteer Tutoring

TUT 300/400

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

Senior Recital (B.A. Degree)

Course Number: MAP 300. Only one hour in length. Theory courses may not be counted in.

Course Number: MAP 490. Only recital requirement for B.A. degree.

Music education and Church Music.

Course Number: MAP 300. Only recital requirement for B.S. degree.

Course Number: MAP 400. Only recital requirement for B.S. degree.

Junior Recital

Pre-requisites: MAP 290 and Junior standing.

Course Number: MAP 390. Designed to prepare for a Junior Recital.

Course Number: MAP 490. Designed to prepare for a Junior Recital.

Course Number: MAP 369. Designed to prepare for a Senior Recital.

Course Number: MAP 469. Designed to prepare for a Senior Recital.

Course Number: MAP 169. Pre-requisite: MAP 169.

Course Number: MAP 369. Designed to prepare for a Senior Recital.

Course Number: MAP 469. Designed to prepare for a Senior Recital.

Course Number: MAP 269. Designed to prepare for a Junior Recital.

Course Number: MAP 369. Designed to prepare for a Junior Recital.

Course Number: MAP 269. Designed to prepare for a Junior Recital.

Course Number: MAP 169. Pre-requisite: MAP 169.

Course Number: MAP 369. Designed to prepare for a Senior Recital.

Course Number: MAP 469. Designed to prepare for a Senior Recital.

Course Number: MAP 290. Designed to prepare for a Junior Recital.

Course Number: MAP 390. Designed to prepare for a Junior Recital.

Course Number: MAP 490. Designed to prepare for a Junior Recital.

Course Number: MAP 300. Designed to prepare for a Senior Recital.

Course Number: MAP 400. Designed to prepare for a Senior Recital.

Course Number: MAP 369. Designed to prepare for a Senior Recital.

Course Number: MAP 469. Designed to prepare for a Senior Recital.

Course Number: MAP 269. Designed to prepare for a Junior Recital.

Course Number: MAP 369. Designed to prepare for a Junior Recital.

Course Number: MAP 269. Designed to prepare for a Junior Recital.

Course Number: MAP 169. Pre-requisite: MAP 169.
MCH 371  LITERATURE AND WORSHIP  
Spring, 1988, and alternate years/3 hours
A survey of choral literature for the church, i.e., anthems, solos, cantatas, oratorios, and the relation of these to the elements of worship.

MCH 372  HYMNODY.  
Fall, 1986, and alternate years/3 hours
Also REL 393. A survey of hymnody during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnody. No musical background is required. Recommended for theology and religious education students.

MCH 378  HISTORY OF CHURCH MUSIC AND ITS FORM  
Fall, 1987, and alternate years/3 hours
A historical survey of church music in the ancient world to the present day with reference to liturgies, Jewish forms, American and British hymnody, and the development of current day sacred music forms and its influences on church music in general.

MCH 382  CHURCH MUSIC SEMINAR—PRACTICUM  
On demand/2 hours
A study of theory and practice of the music ministry in the local church with emphasis on philosophy, administration, graded choir methods, organ orientation, musical drama, and basic electronic media skills. Lectures by outstanding guest authorities. The student will spend an internship of eight weeks in a local church with an eligible minister of music, and will observe and put into practice graded choir techniques. Prerequisites: MCH 371, 372, 378, MUS 381, or consent of instructor.
EDU 442 INSTRUMENTAL EDUCATION
For course description see ACU 396 on page 97.
EDU 396 DEPARTMENTAL TUTORING

EDU 382 MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL
Music in the Junior High School
Prerequisites: MUS 222 and MUS 242. credit hours.

EDU 381 MUSIC IN THE ELEMENTARY GRADES
Music in the Elementary Grades

EDU 351 INSTRUMENTAL MUSIC ORGANIZATIONS

EDU 262 STRING INSTRUMENT CLASS

EDU 251 PERCUSSION INSTRUMENT CLASS

EDU 241 BRASS INSTRUMENT CLASS

EDU 232 WOODWIND INSTRUMENT CLASS

MUS 396 DEPARTMENTAL TUTORING

Music Education Courses
MUSIC ENSEMBLES

MEN 109 JUBILATION  
Every Fall, January, Spring/No credit
Small ensemble of singers and instrumentalists; open by audition to entire student body. Work among churches, schools and clubs as a public relations and witness performance group.

MEN 119 CHORAL ENSEMBLE (CHAPEL CHOIR/ CANYON SINGERS/CONCERT CHOIR)  
Every Fall, Spring/1 hour
Membership is open to all students. Successive semesters of choral music is made possible by repetition for credit. An oratorio or extended work is presented during the semester.

MEN 129 SMALL JAZZ ENSEMBLE  
Every Fall, Spring/1 hour
A performing Ensemble designed to give the student experience performing Jazz material in a small ensemble setting.

MEN 139 WIND ENSEMBLE  
Every Fall, Spring/1 hour
The Wind Ensemble is made up of Music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their College career. The literature performed is selected from the finest contemporary and traditional repertoire.

MEN 149 JAZZ BAND  
Every Fall, Spring/1 hour
Performance of Jazz oriented material written or arranged for the Jazz Band.

MEN 159 BASKETBALL BAND  
Every Fall, Spring/No credit
Organized specifically for Basketball season. Membership is determined by audition and is open to any student with instrumental experience. Must enroll Fall and Spring. Rehearsals are on a T.B.A. basis.

MEN 169 CHAMBER ORCHESTRA  
On demand/1 hour
Study and performance of orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theater productions.
MUS 191

Elementary Theory of Music I

Class instruction for beginners in playing the acoustic guitar. Open to non-

degree students.

Credit/No Credit

MUS 167

Class Guitar

Credit/No Credit

MUS 120

Piano Pedagogy

High school German or 1 year college German may test out of this course.

Credit/No Credit

MUS 211

Diction III: German

High school French or 1 year college French may test out of this course.

Credit/No Credit

MUS 112

Diction II: French

A laboratory devoted to phonetic sounds of French as used by a singer.

Credit/No Credit

MUS 111

Diction I: Italian

Music majors. No precedent.

Credit/No Credit

MUS 105

Fundamentals of Music

Students audition for the first semester of this course. Credit is awarded for

Credit/No Credit

MUS 106

Student Handbook

Approved by the director of the music department.

Credit/No Credit

MUS 189

Chamber Music Ensembles

Approved by the director of the music department.

Credit/No Credit

MUS 128

College Music Ensemble

Approved by the director of the music department.

Credit/No Credit

Department of Performing Arts
MUS 219 OPERA WORKSHOP
Every Fall/3 hours
Participation and production of a full-length opera, two one-act operas or opera scenes. Provides activities in all phases of opera production (set design, costuming, make-up, staging, publicity). May be repeated for credit. Prerequisites: Audition and consent of instructor.

MUS 252 MUSIC APPRECIATION
Every semester/3 hours
Designed specifically for non-Music majors and minors, this course contributes to the intellectual, emotional and aesthetic understanding of music as expression, as science, and as an art closely kin to the other fine arts. Great works of music are heard in order that the student may gain insight into music's inner workings and that may develop a discriminating, intelligent appreciation of the best in music.

MUS 291 ADVANCED THEORY OF MUSIC I
Every Fall/4 hours
Advanced study in partwriting, including chromatic and other non-harmonic tones; further study in sight-singing and dictation; keyboard application of theoretical materials. Original composition is emphasized utilizing traditional triadic harmonies as well as modality, 12 tone, secundal, quartal and added note techniques. Grade of "C" or above necessary for advancement. Prerequisite: MUS 192, or equivalent.

MUS 292 ADVANCED THEORY OF MUSIC II
Every Spring/4 hours
Continuation of MUS 291. Grade of "C" or above necessary for advancement. Prerequisite: MUS 291, or equivalent.

MUS 319 OPERA WORKSHOP
See MUS 219 (above).

MUS 320 JAZZ IMPROVISATION
Every Fall, Spring/1 hour
A course designed to introduce the student to improvising, with emphasis on scales, modes and arpeggios. Prerequisite: MUS 105, 191, or consent of instructor.

MUS 371 MUSIC HISTORY I
Every Fall/3 hours
A survey of music from primitive times to the early 19th century; presents the growth of music through the contrapuntal schools culminating in the work of J.S. Bach; the development of opera and oratorio; and the rise of homophonic music through the Classical Period of Haydn and Mozart. Designed for Music majors and minors. Prerequisite: Upper class standing or consent of instructor.

MUS 372 MUSIC HISTORY II
Every Spring/3 hours
A survey of music from the early 19th century to modern times. Study is devoted to the art song, the nationalistic schools, the principal composers of the Romantic and Contemporary periods and their masterpieces. Designed for Music majors and minors. Prerequisite: Upper class standing or consent of instructor.

MUS 381 CONDUCTING I
Every Fall/2 hours
A study of the fundamentals and techniques of conducting hymns, anthems, and other music with special emphasis on the problems of directing vocal groups. Prerequisite: Junior standing and completion of Music Theory and Music History degree requirements. Consent of Instructor.

MUS 382 CONDUCTING II
Every Spring/2 hours
Continuation of MUS 381 with greater attention being given to instrumental music. Includes study of choral and instrumental literature. Emphasis is placed upon score reading, artistic interpretation and the conducting of marches, overtures, symphonies, and larger works. First hand experience with performing group may be provided. Prerequisite: MUS 381.
MUS 411 CHORAL ARRANGING

Course:
A school-sponsored ensemble experience designed to provide prospective choral conductors with opportunities to lead both choral and instrumental music. Participants will develop skills in choral conducting, including choral literature preparation, choral rehearsal techniques, and choral performance. Expect regular rehearsals and performances. 3 credits.

MUS 405 CONDUCTING PRACTICUM

Available only by petition of the department chair. 3 credits.

MUS 493 ADVANCED REHEARSAL TECHNIQUES

A practical study of advanced choral repertoire and vocal techniques. Expect regular rehearsals and performances. 3 credits.

MUS 391 CONCERTPOINT

A practical study of 19th and 20th century choral repertoire and its various styles. Expect regular rehearsals and performances. 3 credits.

MUS 301 MUSIC EDUCATION

A study of the history, philosophy, and practice of music education. Expect regular readings and discussions. 3 credits.

MUS 302 MUSIC THEATRE

A study of the history, philosophy, and practice of music theatre. Expect regular readings and discussions. 3 credits.

MUS 303 MUSIC HISTORY

A study of the history, philosophy, and practice of music history. Expect regular readings and discussions. 3 credits.

MUS 304 MUSIC THEORY

A study of the history, philosophy, and practice of music theory. Expect regular readings and discussions. 3 credits.
MUS 492 MODERN HARMONY  Fall, 1987, and alternate years/2 hours
An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing.
Prerequisite: MUS 292 or equivalent.

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

DEGREE REQUIREMENTS - THEATRE/SPEECH

The Department of Performing Arts endeavors to give its Theatre and Speech students a complete education. To that end the Theatre and Speech major and minors have been developed to allow the student a balance between academics and the practical application of academics through performance.

The Performing Arts Department suggests that a major or minor in Theatre and Speech would be desirable for the student planning a career, not only in Theatre/Speech, but also in the ministry, religious education, secondary education, law, social work, or public relations.

The Theatre Area, in cooperation with the Music Area, produces the Ethington Theatre Series which presents five major productions annually; auditions for these productions are open to the entire student body. The Theatre/Speech Area also supports a speech team that competes in contests each year and performs publicly on campus.

WORD POWER, INC. is dedicated to sharing and spreading Christ’s love through dramatic presentations and creative worship. Participation is through audition.

Theatre and Speech scholarships are available by audition.
# Theatre and Drama

## 19 hours

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<tr>
<th>Hours</th>
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<tr>
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<td>SPC 200, 300 Theatre Participation</td>
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<tr>
<td>3</td>
<td>SPC 498 Stage Direction</td>
</tr>
<tr>
<td>3</td>
<td>SPC 318 Voice and Diction</td>
</tr>
<tr>
<td>3</td>
<td>TRE 370, 371 Theatre History I or II</td>
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<tr>
<td>3</td>
<td>TRE 150 Acting I</td>
</tr>
<tr>
<td>3</td>
<td>TRE 140, 340 Stagecraft and Design</td>
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<tr>
<td>3</td>
<td>TRE 120 Introduction to Theatre</td>
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## Requirements for a minor in Theatre

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<td>SPC 200, 300 Theatre Participation</td>
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<tr>
<td>3</td>
<td>SPC 398 Communication and the Media</td>
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<tr>
<td>3</td>
<td>SPC 378 Oral Interpretation of Literature</td>
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<tr>
<td>3</td>
<td>SPC 318 Voice and Diction</td>
</tr>
<tr>
<td>3</td>
<td>SPC 311 Advanced Public Speaking</td>
</tr>
<tr>
<td>3</td>
<td>SPC 292 Group Discussion</td>
</tr>
<tr>
<td>3</td>
<td>SPC 113 Fundamentals of Speech</td>
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## Requirements for a minor in Speech

Students are required to select three out of four available participation credits.

<table>
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<th>Hours</th>
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<tbody>
<tr>
<td>3</td>
<td>SPC 398 Communication and the Media</td>
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<tr>
<td>3</td>
<td>SPC 378 Oral Interpretation of Literature</td>
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<tr>
<td>3</td>
<td>SPC 318 Voice and Diction</td>
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<tr>
<td>3</td>
<td>SPC 311 Advanced Public Speaking</td>
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<tr>
<td>1</td>
<td>SPC 300 Speech Participation</td>
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<tr>
<td>3</td>
<td>SPC 292 Group Discussion</td>
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<td>SPC 113 Fundamentals of Speech</td>
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<td>TRE 498 Stage Direction</td>
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## Requirements for a major in Theatre/Speech (B.A. Degree)

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<tr>
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<td>TRE 440, 470 Stage Lighting or Christian Drama</td>
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<tr>
<td>3</td>
<td>TRE 370, 371 Theatre History I or II</td>
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<tr>
<td>3</td>
<td>TRE 300 Theatre Participation</td>
</tr>
<tr>
<td>3</td>
<td>TRE 390, 392 Acting II or Stage Movement</td>
</tr>
<tr>
<td>3</td>
<td>TRE 200 Theatre Participation</td>
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<tr>
<td>3</td>
<td>TRE 150 Acting I</td>
</tr>
<tr>
<td>3</td>
<td>TRE 120 Introduction to Theatre</td>
</tr>
</tbody>
</table>

Department of Performing Arts
TRE 140 STAGECRAFT AND DESIGN
The study of set construction, lighting, costuming, properties, and make-up. Practical application of the above to be gained through college practice. May be repeated for credit once.

TRE 150 ACTING I
Fall, 1986, and alternate years/3 hours
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.

TRE 200 THEATRE PARTICIPATION
Every Fall, Spring/1 hour
As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management, or related fields. Prerequisite: consent of instructor.

TRE 250 ACTING II
Spring, 1987, and alternate years/3 hours
An advanced acting course emphasizing scene study and textual analysis, allowing students to concentrate on the method and technique of building a character. Prerequisite: TRE 150 or consent of instructor.

TRE 255 STAGE MOVEMENT
Every Fall/3 hours
Theories and technical practices of styles and schools of stage movement. Study of audition techniques, working with groups and individually, direction techniques, ballet, and the basic theories of Delsarte, Dalcroze, and Alexander. Open to non-majors and minors.

TRE 300 THEATRE PARTICIPATION
See TRE 200 (above).

TRE 340 STAGECRAFT AND DESIGN
See TRE 140 (above).

TRE 370 THEATRE HISTORY I (GREEKS TO RESTORATION)
Spring, 1987, and alternate years/3 hours
An in-depth study of the history and development of theatre from early Greece to the English Restoration. Prerequisite: TRE 120 or consent of instructor.

TRE 371 THEATRE HISTORY II (18TH CENTURY TO MODERN)
Spring, 1988, and alternate years/3 hours
An in-depth study of the history and development of theatre from 18th century through modern time. Prerequisite: TRE 120 or consent of instructor.

TRE 375 DRAMATIC LITERATURE
Fall, 1987, and alternate years/3 hours
A comprehensive study of the major periods and forms of dramatic literature dating from early Greece through the present. Prerequisite: TRE 120.

TRE 378 HISTORY AND LITERATURE OF THE LYRIC STAGE
On demand/3 hours
In-depth study of the lyric stage; divided into 3 categories: sacred music drama, from the Medieval musical plays to contemporary church musicals; general music drama, from opera to Broadway musical; children's musical theatre, both for children and with children. Open to non-majors. No prerequisite.

TRE 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see ACC 396 on page 97.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL INTERPRETATION OF LITERATURE</td>
<td>378</td>
</tr>
<tr>
<td>VOICE AND DICTIO N</td>
<td>318</td>
</tr>
<tr>
<td>SPEECH PARTICIPATION: SC 200</td>
<td>311</td>
</tr>
<tr>
<td>GROUP DISCUSSION</td>
<td>292</td>
</tr>
<tr>
<td>FUNDAMENTALS OF SPEECH</td>
<td>113</td>
</tr>
</tbody>
</table>

**Speech**

For course description see T.C.T. 300/400 on page 98.

**Volunteer Tutoring**

T.C.T. 300/400

For consent of instructor.

**Stage Direction**

T.R.E. 498

A study of directing and techniques of interpretation and directing plays.

**Christian Drama**

T.R.E. 470

An introduction to drama, and examining the in-depth study of Christian drama, drama with music, and means of utilizing dramatic activities.

**Stage Lighting**

T.R.E. 440

The art of designing lighting for the theatre. Students will study lighting technique.
SPC 396  DEPARTMENTAL TUTORING  
Every semester/2 hours
For course description see ACC 396 on page 97.

SPC 398  COMMUNICATIONS AND  
THE MEDIA  
Spring, 1988, and alternate years/3 hours
A study of communication techniques for mass media, with emphasis on oral
communications. Advertising, news reporting, programming, and
children's television will be explored.

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

Center for Biblical Studies
Philosophy
Religion
New Testament Greek
Bible
Degree Requirements—Bible
Department Decision
DEPARTMENT DESCRIPTION

Courses in the Department of Religion are intended to give students an understanding and appreciation of the Bible, to arouse in them a desire for Christian usefulness, and to equip them for leadership in various church related activities.

Many courses in this department are designed to be beneficial to all college students. Some are courses which ministerial students should take, whether or not they expect to continue their studies in seminary.

Suggested Course of Study for Ministerial Students

The ministerial student should plan a course of study to give the best possible general preparation for the student’s life work. Enrollment in a wide variety of courses, according to personal interests, will provide background for association with people in all fields of endeavor. Suggested areas include sociology, psychology, history, science, business, and government. For improvement of ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. Courses in physical education will help develop a lifelong program of health improvement and care.

In preparation for seminary and for spiritual growth, the ministerial student should take at least a minor in Bible or Religion. One who does not plan to go to seminary should major in Bible or Religion. Seminary courses are usually more technical and of broader scope than college courses. Usually, any Religion or Bible course offered in college will be only preparatory and will not result in repetition at seminary. Students planning to enter religious or church related work are strongly encouraged to pursue seminary studies following graduation from college.

DEGREE REQUIREMENTS

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

BIB 113 and 123 Old and New Testament History 6 hours
BIB 373 Christian Doctrines 3 hours
Electives in Bible (may include 6 hours Religion) 21 hours

Requirements for a minor in Bible

BIB 113 and 123 Old and New Testament History 6 hours
BIB 373 Christian Doctrines 3 hours
Electives in Bible (3 hours Upper Division) 9 hours

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

BIB 113 and 123 Old and New Testament History 6 hours
BIB 373 Christian Doctrines 3 hours
REL 303, 333, 353, or 463 3 hours
Electives in Religion 18 hours
(may include 6 hours Bible)
BIBLICAL RECORD OF BEGINNINGS AND OF EARLY HEBREW HISTORY, RELIGION, AND
The Pentateuch.

(GENESIS-DEUTERONOMY) FALL, 1986, and alternate years; 3 hours.

A study of the first five books of the Bible with special emphasis given to the
and interpretation. Prerequisites: BIB 113 and 123.

and interpretation. The emphasis is on the occasion of writing, authoritative, covenant,
A study of the writing propensities of the Old Testament, with special attention
Spring, 1986, and alternate years; 3 hours.

Prophe"sis

OId TESTAMENT

BIB 333

will be encountered in the function of personal work as a part of this course. Prerequisites: BIB 121
with the emphasis given to the catechism and acts.

Evangelsen

New Testament History

BIB 122

A general historical survey of the New Testament, beginning with the inter-
First semester and every summer; 3 hours.

Old Testament Period

BIB 113

An introductory and historical survey of the Old Testament. Attention is
First semester and every summer; 3 hours.

BIBLIE

A student may receive a minor in Religious Education with a major in Bible or a major in

The 18 hours do not include BIB 113 and BIB 123.

6 hours

General Education Requirements

REL 993 Hymnody
REL 663 Instructional Media
REL 222 Church Reception
REL 223 Christian Drama: Directing and Performing

Two of the Following:

Elementary School

EDU 302 Foundations of Education or EED 343

3 hours

EDU 332 Psychology in Education

3 hours

REL 242 Church Administration

3 hours

REL 212 A Survey of Religious Education

Requirements for a minor in Religious Education

9 hours

(3 hours Upper Division)

EDU 332 Foundations of Education or EED 343

3 hours

REL 333 Psychology in Religion

3 hours

REL 242 Church Administration

3 hours

REL 212 A Survey of Religious Education

Requirements for a minor in Religious Education

Department of Religion
BIB 353  OLD TESTAMENT POETRY  Fall, 1987, and alternate years/3 hours
A study of the poetical books of the Old Testament, with reference to their
literary style, occasion of writing, authorship, content, and interpretation.
Prerequisites: BIB 113 and 123.

BIB 373  CHRISTIAN DOCTRINES  Every Fall/3 hours
A systematic study of the major doctrines of the Christian religion, including
revelation and the Bible, the Trinity, the doctrine of man, the atonement,
salvation and Christian growth, the church and its ordinances, and
eschatology. Prerequisites: BIB 113 and 123.

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

BIB 423  GENERAL EPISTLES AND
REVELATION  Spring, 1987, and alternate years/3 hours
A study of the historical background, authorship, and expository analysis of
the General Epistles (Hebrews; James; I and II Peter; I, II, and III John;
and Jude) and Revelation. Prerequisites: BIB 113 and 123.

BIB 433  LIFE AND TEACHINGS
OF CHRIST  Fall, 1986, and alternate years/3 hours
A study of the life of Jesus, with special attention given to his person,
teachings, and work. Prerequisites: BIB 113 and 123.

BIB 443  LIFE AND LETTERS OF PAUL  Every Spring/3 hours
A study of the life and times of the apostle Paul, with an interpretation of his
epistles’ and their historical setting. Prerequisites: BIB 113 and 123.

BIB 463  BIBLICAL BACKGROUNDS  Spring, 1988, and alternate years/3 hours
A geographical and archaeological survey of Palestine and the countries near
it, and an examination of the important political, social, and religious
customs and conditions which have a bearing on Biblical history.
Prerequisites: BIB 113 and 123.

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

Department of Religion 201

For course descriptions see T.U.T. 300/400 on page 96.

For course description see T.U.T. 300/400 on page 97.

For course description see ACC 396 on page 97.

For course description see ACC 396 on page 98.

For course description see ACC 396 on page 99.

For course description see ACC 396 on page 99.

For course description see ACC 396 on page 99.

For course description see ACC 396 on page 99.
REL 212  TRAINING IN CHRISTIAN DISCIPLESHIP II  Spring on demand/2 hours
Continuation of REL 211 with emphasis on development from being outer-directed disciples to becoming inner-directed leaders. Prerequisite: REL 211.

REL 213  A SURVEY OF CHRISTIAN EDUCATION  Fall, 1986, and alternate years/3 hours
An introductory and survey study of Christian education, with emphasis on history, philosophy, objectives, educational techniques, and the related functions of the major program organizations of the local church. Attention also is given to the means of organized cooperation between churches.

REL 243  CHURCH ADMINISTRATION  Spring, 1987, and alternate years/3 hours
A study of the administration of the entire program of a church, including staff relationships, leadership development, teaching and training, worship, church music, stewardship, evangelism, counseling, and missionary outreach.

REL 253  CHRISTIAN DRAMA
See TRE 470 on page 195.

REL 302  CHURCH RECREATION  See REC 303 on page 124

REL 303  BAPTIST AND AMERICAN CHURCH HISTORY
See HIS 303 on page 129.

REL 323  CHRISTIAN MISSIONS  On demand/3 hours
A survey of Christian missions throughout the world, with special emphasis upon the missionary activities and techniques of Southern Baptists, usually taught by the visiting missionary-in-residence.

REL 333  PSYCHOLOGY OF RELIGION  Spring, 1988, and alternate years/3 hours
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.
PHI 463 (above)

Seminar. 1 hour

PHI 311

INTRODUCTION TO ETHICS

Prerequisite: PHI 101. It is not recommended for students planning to major in philosophy.

PHI 213

INTRODUCTION TO PHILOSOPHY

3 hours

440

VOLUNTEER INTERNING

Volunteer in a setting appropriate to their previous work experience or other areas of interest. This course focuses on self-directed, active learning in a variety of settings. 3 hours

463

WORLD RELIGIONS

Prerequisite: Junior standing. A study of major religions of the world, both ancient and contemporary. 3 hours

410

CLINICAL PASTORAL TRAINING

This course consists of 45 hours of clinical chaplaincy experience under the supervision of an experienced chaplain in a hospital, hospice, or similar setting. 3 hours

405

MINISTERIAL INTERNSHIP

Prerequisite: ACC 396. Under the supervision of a minister, an intern gains experience in a variety of settings, including worship, preaching, counseling, and pastoral care. 3 hours

396

DEPARTMENTAL INTRODUCING

Prerequisite: PHI 101. An introduction to the major areas of philosophy. 3 hours

371

HISTORICAL PHILOSOPHY

A study of the major periods of philosophical thought, including pre-Socratic philosophy, the classical period, and modern philosophy. 3 hours

333

PASTORAL MINISTRY

Prerequisite: PHI 371. 3 hours

363

INSTRUCTIONAL MEDIA

Prerequisite: PHI 333. An introduction to the history and philosophy of instructional media. 3 hours

354

CHURCH HISTORY

Prerequisite: PHI 333. 3 hours

Department of Religion
CENTER FOR BIBLICAL STUDIES

The Department of Religion has established a Center for Biblical Studies to enlist more students in the study of Bible and religion and to render a service to the community.

Under this program a person not enrolled in any other college may take up to seven hours of college work per semester, all of which must be in Bible, Greek, or Religion. These courses may be audited or taken for credit. Any of the courses listed in the Department of Religion, except Philosophy, may be taken under the program, only during a regular Fall or Spring semester.

A certificate will be awarded upon completion of 18 hours and an advanced certificate for 30 hours.

There is a special tuition fee of one-half the regular rate. See page 24 for specific financial information pertaining to those enrolled in the Center for Biblical Studies.
DEPARTMENT DESCRIPTION

Samaritan College of Nursing is an integral part of Grand Canyon College, working closely with the liberal arts and natural sciences departments. The nursing program provides a curriculum which leads to the degree of Bachelor of Science in Nursing. Courses are designed to assist the student to assess individual and community health problems, formulate and plan nursing interventions and to function as a professional within the health team. Emphasis is on both a strong academic foundation and nursing practice. The student will have supervised clinical experiences in health care agencies within the metropolitan area. The student is responsible for personal transportation and uniform expenses necessary for the nursing major. Students are also expected to reflect the purpose of Grand Canyon College while representing the nursing program in the various clinical areas.

During the initial course in nursing, NUR 201, Personal and Professional Goals in Health Care, the student applies to the nursing major. Approval of acceptance into the Samaritan College of Nursing will be determined by the Academic Standards Committee. The application procedure requires a completed application form, three personal references, successful completion of Math and English qualifying exams, satisfactory completion of Nursing prerequisites including NUR 201, and space availability. Priority for acceptance is given to students who have completed their first three semesters in residence at Grand Canyon College. Applications and deadlines are made available at the beginning of the NUR 201 course during both Fall and Spring semesters. There is an adjusted curriculum for returning R.N. students. Contacts should be made through the College of Nursing for specific information. The Samaritan College of Nursing is accredited by the Arizona State Board of Nursing and National League for Nursing.

DEGREE REQUIREMENTS

Prerequisites for Nursing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 101, 102</td>
<td>Grammar/Composition</td>
<td>6</td>
</tr>
<tr>
<td>CHE 101, 102</td>
<td>Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>PSY 213</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 250</td>
<td>Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>BIO 201, 202</td>
<td>Anatomy &amp; Physiology</td>
<td>8</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Principles of Sociology</td>
<td>3</td>
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<tr>
<td>BIO 205</td>
<td>Microbiology</td>
<td>4</td>
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<td><strong>MAT 120</strong></td>
<td>Intermediate Algebra</td>
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<td>Requirement</td>
<td>Hours</td>
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<td>Total Requirements for Graduation</td>
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<td>Graduation</td>
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<td>Total Requirements for Graduation</td>
<td>29</td>
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<tr>
<td>Total Nursing major courses</td>
<td>59</td>
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</tr>
<tr>
<td>Total prerequisites for nursing</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td><em>Based on high school math background, MAT 095 or MAT 120 may be recommended. Hours not met in nursing prerequisites — TOTAL 32 hours</em></td>
<td></td>
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</table>

### JANUARY TERM

**Physical Education**
- Group II - Met by nursing prerequisites (7)
- Group I - PSY 363 Statistics (3)

**Science**
- History (3)
- Met by nursing prerequisites (6)

**Social Sciences**
- Humanities elective (3)
- PHL 311 Introduction to Ethics (3)

**Humanities**
- Met by nursing prerequisites

**English**
- BIB 123 New Testament History (3)
- BIB 113 Old Testament History (3)

### Requirements for Graduation

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>NUR 498 Senior Nursing Internship</td>
<td>3</td>
</tr>
<tr>
<td>NUR 404 Research, Trends and Issues</td>
<td>3</td>
</tr>
<tr>
<td>NUR 403 Nursing Leadership and Management</td>
<td>6</td>
</tr>
<tr>
<td>NUR 402 Advanced Med/Surg Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 401 Community Health Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 304 Pediatric Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 303 Maternity Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 302 Mental Health Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 301 Concepts of Med/Surg Nursing</td>
<td>6</td>
</tr>
<tr>
<td>NUR 203 Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>NUR 202 Fundamentals of Nursing</td>
<td>8</td>
</tr>
<tr>
<td>NUR 201 Personal &amp; Professional Goals</td>
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**Nursing**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>In Health Care</td>
<td>40</td>
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<td>Total</td>
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# SUGGESTED CURRICULUM PLAN

## FRESHMAN

### Fall
- Grammar/Composition (EEW 101) 3 cr
- Anatomy & Physiology (BIO 201)** 4 cr
- Chemistry (CHE 101) 4 cr
- Intermediate Algebra (MAT 120)*** 3 cr
- Physical Education* 1 cr

15 cr

### Spring
- Composition/Literature (EEW 102) 3 cr
- Anatomy & Physiology (BIO 202) 4 cr
- Chemistry (CHE 102) 4 cr
- General Psychology (PSY 213) 3 cr
- Physical Education* 1 cr

15 cr

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## SOPHOMORE

### Fall
- Goals in Health Care (NUR 201) 2 cr
- Microbiology (BIO 205) 4 cr
- Growth & Development (PSY 250) 3 cr
- Bible or History* 3 cr
- Principles of Sociology (SOC 213) 3 cr

15 cr

### Spring
- Fundamentals of Nursing (NUR 202) 8 cr
- Probability & Statistics (PSY 363)* 3 cr
- Introduction to Pharmacology (NUR 203) 3 cr
- Bible or History* 3 cr

17 cr

January Term — 3 cr

## JUNIOR

### Fall
- Concepts of Med/Surg Nursing (NUR 301) 6 cr
- Mental Health Nursing (NUR 302) 6 cr
- Bible or History* 3 cr

15 cr

### Spring
- Maternity Nursing (NUR 303) 6 cr
- Pediatric Nursing (NUR 304) 6 cr
- Humanities Elective* 3 cr

15 cr

January Term — 3 cr

## SENIOR

### Fall
- Community Health Nursing (NUR 401) 6 cr
- Advanced Med/Surg Nursing (NUR 402) 6 cr
- Introduction to Ethics (PHI 311)* 3 cr

15 cr

### Spring
- Nursing Leadership/Management (NUR 403) 6 cr
- Research, Trends & Issues (NUR 404) 3 cr
- Senior Nursing Internship (NUR 498) 3 cr

12 cr

January Term — 3 cr

---

TOTAL HOURS FOR BACHELOR OF SCIENCE IN NURSING: 128 HOURS

* Required for graduation, not a prerequisite to nursing major
** Zoology (BIO 182) is a prerequisite if no high school biology
*** Based on high school math background, MAT 095 or MAT 120 may be recommended
NURSING

301, 302
An introduction to nursing theories, concepts of care, clinical skills, and professional role. Includes the normal health and pathophysiology of the musculoskeletal, respiratory, cardiovascular, integumentary, gastrointestinal, genitourinary, and reproductive systems. Focus is on the interrelatedness of the multiple systems in maintaining homeostasis. Focus is on the prevention of disease, and the promotion and restoration of health. 6 hours/semester

304
Pediatric Nursing

utilized to provide care for patients and families. Focus is on humane, ethical, and patient-centered care in the pediatric setting. Includes the normal health and pathophysiology of the musculoskeletal, respiratory, cardiovascular, integumentary, gastrointestinal, genitourinary, and reproductive systems. Focus is on the prevention of disease, and the promotion and restoration of health. 6 hours/semester

305
Maternity Nursing

Mental Health Nursing

Surgical Nursing

300
Concepts of Medical/Surgical Nursing

Introduction to Pharmacology

NUR 201
Fundamentals of Nursing

20. 30 semester hours and approval of instructor.

Recent trends in health care include an increased emphasis on individualized patient care. The course is designed to develop the student's knowledge of the basic principles of pharmacology, including the safe and effective use of medications. The course also includes an introduction to medical and surgical nursing, including the assessment and treatment of common medical and surgical conditions. 6 hours/semester
NUR 323 WOMEN'S HEALTH  
January Term on demand/3 hours
The course is designed to explore the spectrum of healthy women in our society. The social, biological, psychological and spiritual characteristics of the healthy women are identified as documented in current literature and are critically analyzed by the student. Scheduled field experiences highlight options for women in the health care settings. This course is open to the non-nursing major. Prerequisite: PSY 213.

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

NUR 401 COMMUNITY HEALTH NURSING  
Every semester/6 hours
An epidemiological model provides the framework for studying community health problems. Concepts of public health nursing are applied to the care of families, groups and populations. Prerequisite: NUR 303, 304.

NUR 402 ADVANCED MEDICAL-SURGICAL NURSING  
Every semester/6 hours
This course presents the complex nursing care of the medical-surgical adult in the intensive care area and emergency room. Pathophysiology and related nursing care of life threatening disruptions involving cardiac, respiratory, neurological, renal, gastrointestinal, other organ dysfunctions are covered in theory and clinical situations. Prerequisite: NUR 304.

NUR 403 NURSING LEADERSHIP AND MANAGEMENT  
Every semester/6 hours
Presents purposes and methods of leadership styles within the clinical setting. Emphasis is on the management of groups of patients, consumers and professional staff. Content includes: planning and evaluating nursing care, supervising personnel, developing education skills, understanding organizational budgets and finances and identifying common problems encountered in the professional leadership role. Prerequisites: NUR 401, 402.

NUR 404 RESEARCH, TRENDS AND ISSUES IN NURSING  
Every semester/3 hours
The research process is presented as a framework for analysis of clinical practice, legislation, nursing trends, and health care services. Quantitative and qualitative methods of research are introduced by critiquing of studies and independent projects. Content includes: research in nursing affecting health care, ethics, nursing manpower, professional writing and expanded roles for nurses. Prerequisites: NUR 401, 402.

NUR 498 SENIOR NURSING INTERNSHIP  
Every semester/3 hours
Provides a student selected clinical experience to optimize the transition to a professional career. Nursing specialty areas are chosen according to preceptor availability and student interest. A faculty member assists in planning, implementing and evaluating the learning experience. Prerequisite: NUR 403.
DEPARTMENT DESCRIPTION

Through an agreement with Arizona State University at Tempe, Arizona, students at Grand Canyon College can take freshman and sophomore classes in ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University.

The goal of the ROTC classes is to provide a foundation of military knowledge and skills needed by junior officers in the military. Students may take ROTC credit in (Army) Military Science or (Air Force) Aerospace Studies.

For further information contact ASU Army ROTC at 965-3318/19 or Air Force ROTC at 965-3181.

AIR FORCE ROTC

Purpose

The Aerospace Studies curriculum consists of the General Military Course (GMC) for freshmen and sophomores and the Professional Officer Course (POC) for juniors and seniors. Through an arrangement with Arizona State University at Tempe, students at Grand Canyon College can take the GMC and the POC at Arizona State University. Upon receiving a four-year bachelor’s degree and completion of the POC at any university offering Air Force ROTC, the student will receive a commission as a Second Lieutenant in the Air Force.

General Qualifications

A man or woman entering AFROTC must (1) be a citizen of the United States (noncitizens may enroll, but they must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the Professional Officer Course. If designated for flying training, one must be able to complete all commissioning requirements prior to age 26½; in other categories one must be able to complete all commissioning requirements prior to age 30.

Four-Year Program

A formal application is not required for students entering the GMC. Students register for Air Force ROTC at the same time and in the same manner as other courses. During their first two years, students enroll in the GMC normally taking one Aerospace Studies course each semester. AFROTC students not on AFROTC scholarship incur no military obligation.
Allowances and Pay

4. Maintain a minimum grade point average of 2.0.


2. Complete the Air Force Officer Qualifying Test.

1. For the four-year student, successfully complete Officer Candidate (POC) course (AROQT).

Qualifications for Admission to the Professional Program

A student is commissioned as an Air Force Officer candidate for a baccalaureate degree under enrollment upon completion of the POC and the承认 examination at an Air Force base prior to training. Students must also successfully complete a six-week field training course for the four-year program; however, these students, like those at the undergraduate college, must have at least two academic years of college work remaining.

Students who have not taken the first two years of college may still be commissioned for entry into the POC. The selection process for the POC is the same as described for the POC Officer Candidate (POC) course. Applicants must have at least two academic years of college work remaining, at least two academic years of college work remaining, and a minimum grade point average of 2.0.

Lieutenant.

A second Air Force as a second major requirement is that the student be a graduated student, either sophomore and junior years. Students enroll in six courses each semester hour of credit (400-level) in the POC (AES) 300 and 400-level classes. These students must attend a four-week field training course at an Air Force base between freshman and sophomore years. Students who are accepted into the POC will attend a four-week field training course at an Air Force base between freshman and sophomore years. Students who are accepted into the POC will attend a four-week field training course at an Air Force base between freshman and sophomore years. Students who are accepted into the POC will attend a four-week field training course at an Air Force base between freshman and sophomore years. Students who are accepted into the POC will attend a four-week field training course at an Air Force base between freshman and sophomore years.
uniforms, housing and meals are provided during field training at no cost to the student. Students are reimbursed for travel to and from field training. Students in the POC may also travel free on military aircraft on a space-available basis. Pilot candidates in the Flight Instruction Program receive up to 13 hours of free flight training while in school.

**Scholarships**

Air Force ROTC offers scholarships to outstanding young men and women on a nationwide competitive basis. Scholarships cover full college tuition as well as books, fees, and a monthly tax-free allowance of $100. Scholarships are available on a four-, three-, and two-year basis. To qualify for the four-year scholarship, the student must be a U.S. citizen pursuing one of the several selected academic majors and submit an application prior to December 1st of his/her senior year in high school or first year of college if enrolled in a 5-year curriculum. Interested students should consult their high school counselors or an AFROTC detachment. Male and female students enrolled in AFROTC at Grand Canyon College are eligible for three- and two-year scholarships. Consideration is given to academic grades, score achieved on the Air Force Officer Qualifying Test, and physical fitness. A board of officers considers an applicant’s personality, character, and leadership potential. Officer slots available in the AFROTC include pilot, navigator, missileman, technical field and nontechnical fields. For more information contact AFROTC at 965-3181.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>AES 401</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, emphasizing the impact of limited war and the cyclical nature of leadership in aerospace forces. 3 credits/2 periods</td>
</tr>
<tr>
<td>AES 302</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, development of leadership power at the national level. 2 credits/1 period</td>
</tr>
<tr>
<td>AES 201</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, support for national defense, missile defense, and national security. 2 credits/1 period</td>
</tr>
<tr>
<td>AES 101</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, introduction to the U.S. Aerospace Organization, mission, doctrine, and defense. 2 credits/1 period</td>
</tr>
<tr>
<td>AES 202</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, historical survey of various leaders and their roles in the aerospace industry. 2 credits/1 period</td>
</tr>
<tr>
<td>AES 200</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, focus on the Air Force, the role of the Air Force uniform and customs, and the responsibilities of the Air Force. 0 credits/1 period</td>
</tr>
<tr>
<td>AES 301</td>
<td>Aerospace Studies</td>
<td>Leadership Laboratory, focus on the Air Force, the role of the Air Force uniform and customs, and the responsibilities of the Air Force. 0 credits/1 period</td>
</tr>
<tr>
<td>AES 401</td>
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</tr>
</tbody>
</table>
Leadership Laboratory  
Practical leadership experience which will improve a cadet's ability to perform as an Air Force officer.

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.

Leadership Laboratory  
Practical leadership experience which will improve a cadet's ability to perform as an Air Force officer.

AES 403 FLIGHT INSTRUCTION  
Limited to senior cadets who are selected as pilot candidates.

ARMS ROTC

Purpose  
The goal of this professional education is to prepare selected students with leadership potential to be commissioned as Army officers in the active Army, Army National Guard, and U.S. Army Reserve. Specific objectives include providing students an understanding of nature and operations of the U.S. Army; developing the leadership and managerial potential of the students; developing students' abilities to think creatively, to speak and write effectively; and to provide the student with an understanding of the role and responsibilities of the officer in the Army.
Program

Four-Year Course

Qualifications for Advanced Course

Qualifications General

When desiring a career in the military service, Regular Army are available to qualifying students.

Appointments as Second Lieutenants in the Reserve, in the United States Army, are made on the recommendation of the Commander for national security, upon recommendation of the Requirements for national security, in the United States Army, upon recommendation of the Regent of the University of the United States Army.
Two-Year Program

Students must have two academic years of college remaining, either at the undergraduate or graduate level or a combination of the two. Students seeking enrollment in the two-year program should make application during the spring semester of the year in which they desire to enter the program. They must pass the ROTC Qualifying Examination and the Army physical examination. After successfully completing a five-week basic summer camp at Ft. Knox, Kentucky (conducted during June and July), students may enroll in the Advanced Course. They then follow the same program and meet the same requirements as stated for Advanced Course students in the four-year program. Veterans may enter the two-year program without attending basic camp.

Financial Assistance Programs

*Subsistence Allowance.* All contracted Advance Course students receive $100 per month during the academic year plus approximately $700 for Advanced Camp completion.

*Scholarships.* Grand Canyon students are eligible to apply for three- and two-year Army ROTC scholarships. All ROTC scholarships pay all tuition, fees, books, academic supplies and $100 per month during the academic year.

*Three-Year and Two-Year Scholarships.* Available to qualified college students. Previous military or ROTC experience is not necessary.

*Simultaneous Memberships Program.* A newly authorized program which allows membership in the Army Reserve or National Guard at the same time a student is in ROTC. This new program pays over $1000 each semester the student attends college.

Pay and Allowances

Advanced Course students in their junior and senior years receive $100 per month for the 20 months of enrollment in the Advanced Course. The students also receive one-half the pay for a second lieutenant during their attendance at the five-week advanced camp. Uniforms, housing and meals are provided at camp without cost to the students, and they are reimbursed for travel to and from the camp. Students who enter the two-year program will receive the pay of an Army recruit during attendance at the basic summer camp as well as reimbursement for travel to and from the camp.
MILITARY SCIENCE

Requirements

Active Duty

가, basic outdoor survival techniques, two lecture-conferences, and two-hour
Use of maps, orienteering and land navigation fundamentals and problems.

LAND NAVIGATION AND SURVIVAL

LECTURE
Two lecture-conferences and two-hour leadership lab.

METHODS OF INSTRUCTION

Learning theories and principles of instruction and development of instruction

ISTRUCTION TO MILITARY SCIENCE

INTRODUCTION TO MILITARY SCIENCE

Who desires to earn a graduate degree up to four years is available to outstanding students
who meet the minimum year commitment. A delay from call to active duty for
additional amounts of time added to their basic three
Recruit Army commission may have
Recruit three months to three years of active duty depending
Graduates of Army ROTC may spend from

Reserve Officers' Training Corps 219
MIS 204 LEADERSHIP AND MANAGEMENT DEVELOPMENT 2 hours
Interdisciplinary approach to leadership and management and effective techniques for decision-making studies. One lecture-conference, 1 two-hour lab.

MIS 301 ADVANCED MILITARY SCIENCE 3 hours
Theory, organization, and dynamics of military forces in combat operations; small unit offensive and defensive tactics. Prerequisites: MIS 203 and 204, or equivalent. Two lectures-conferences, 2 hour Leadership Practical Application Lab.

MIS 302 ADVANCED MILITARY SCIENCE 3 hours
Roles of the branches of the Army; organization of the special and general staff; preparation for applied leadership; command and staff relationships. Prerequisites: MIS 301. Two lectures-conferences, 2 hour Leadership Practical Application Lab.

MIS 401 ADVANCED MILITARY SCIENCE 2 hours
The military legal system; evolution of the U.S. Army; selected campaigns and leaders through the Spanish-American War; opposing strategies; objectives, attitudes, relationships to changing social, economic, political and military institutions. Prerequisites: MIS 301 and 302. Two lectures-conferences, 1 hour Leadership Practical Application.

MIS 402 ADVANCED MILITARY SCIENCE 2 hours
Selected campaigns and leaders from 1917 to the present; U.S. position in the contemporary world and its impact on military command and management; career planning and personal affairs. Prerequisites: MIS 401. Two lectures, 2 hour Leadership Practical Application Lab.
BoD of Trustees 1986-87

<table>
<thead>
<tr>
<th>One Year Term expiring 1986:</th>
<th>Two Year Term expiring 1987:</th>
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</thead>
<tbody>
<tr>
<td>Mr. L. E. &quot;Sharky&quot; Baker</td>
<td>Mr. John Auvenshine</td>
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<tr>
<td>Dr. Charlotte Bellah</td>
<td>Mrs. Jean Baker</td>
</tr>
<tr>
<td>Mr. Don Browning</td>
<td>Mr. Gaylon Cothern</td>
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<tr>
<td>Rev. John Davis</td>
<td>Dr. Tommy Foster</td>
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<tr>
<td>Mr. Gerold Horst</td>
<td>Mr. David Groseclose</td>
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<tr>
<td>Mr. Ken Miller</td>
<td>Mr. Jalma Hunsinger</td>
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<tr>
<td>Mr. Henry Ong</td>
<td>Miss Marlene Klotz</td>
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<tr>
<td>Mr. Jerry Sowell</td>
<td>Mr. Darrel Lewis</td>
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<tr>
<td>Mr. Harold Vangilder</td>
<td>Mr. Darrell Tramel</td>
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<tr>
<td>Mrs. Colleen Womack</td>
<td>Ms. Mary Jo West</td>
</tr>
</tbody>
</table>

Three Year Term expiring 1988: Ex-Officio:

| Mr. R. Eugene Anderson      | Dr. Jack Johnson, Executive   |
| Rev. Thane Barnes           | Director-Treasurer, ASBC      |
| Mr. Sam Cameron             | Rev. Si Davis, President     |
| Mr. LeeRoy Gudgell          | ASBC                          |
| Mr. Bill Kimmel             |                               |
| Dr. John Misenheimer        |                               |
| Mr. Jim Parrish             |                               |
| Dr. Edgar N. Stone          |                               |
| Rev. Tommy Thomas           |                               |
| Rev. William Weide          |                               |

Administration

President

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D.
B.S., Grand Canyon College/M.A. in Ed., Arizona State University/M.A., University of Illinois/Ed.D., Arizona State University/Additional Graduate Study: Arizona State University and Utah University

Administrative Vice President/Academic Dean

Larry Olson, B.S., Ph.D.
B.S., Baylor University/Ph.D., University of Pennsylvania/Postdoctoral Research Fellow, University of Illinois/Visiting Research Professor, University of Houston and Rice University

Vice President Development and Planning

Carl G. Paetz, B.S., M.A., Ed.D.
B.A., Iowa State University/M.A., University of Iowa/Ed.D., University of Oregon

Dean of Nursing

Tina Olson, B.S.N., M.S.N., Ed.D.
B.S.N., M.S.N., University of Pennsylvania/Ed.D., Baylor College of Medicine/University of Houston

Dean of College of Education

Patty Horn, B.S., M.A., Ed. D.
B.S., University of Oklahoma/M.A., Northern Arizona University/Ed. D., Arizona State University
STAFF

Joyce Parker, B.A.
Carolyn Wemple, B.A.
John Medley, B.S.

Director of Intercollegiate Athletics

Director of Athletics

Dean of Students

Dean of Academic Affairs
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beth Dalton*</td>
<td>Asst. Prof. P.E./Women’s Volleyball Coach</td>
</tr>
<tr>
<td>Eugene Davis</td>
<td>Painter</td>
</tr>
<tr>
<td>Dianne Dinkel</td>
<td>Controller</td>
</tr>
<tr>
<td>Jeffry Dinkel</td>
<td>Asst. Director of Student Recruitment</td>
</tr>
<tr>
<td>Jerry Edwards</td>
<td>Groundsman</td>
</tr>
<tr>
<td>Bob Endsley</td>
<td>Building Maintenance Supervisor</td>
</tr>
<tr>
<td>Edythe (Edy) Feazel</td>
<td>Associate Director of Library Services</td>
</tr>
<tr>
<td>Scott Foster</td>
<td>Financial Aid Office Mgr./Scholarship Coordinator</td>
</tr>
<tr>
<td>Michelle Fredrick</td>
<td>Asst. to the Registrar</td>
</tr>
<tr>
<td>Marlie Friesen</td>
<td>Cook</td>
</tr>
<tr>
<td>Ken Gallatin</td>
<td>Custodial/Maintenance</td>
</tr>
<tr>
<td>Treva Kay Gibson</td>
<td>Dean of Students</td>
</tr>
<tr>
<td>Clara Gilmore</td>
<td>Nurse</td>
</tr>
<tr>
<td>Robert Glass</td>
<td>V.P. for Estate/Financial Planning</td>
</tr>
<tr>
<td>Martha Goodwin</td>
<td>Administrative Asst. to Student Development</td>
</tr>
<tr>
<td>Gary Gregory</td>
<td>Journeyman Carpenter</td>
</tr>
<tr>
<td>Patricia Groseclose</td>
<td>Print Shop Manager</td>
</tr>
<tr>
<td>Jane Grossnickle</td>
<td>Associate Director of the Library</td>
</tr>
<tr>
<td>Diana Harris</td>
<td>Library Bookkeeper/Secretary</td>
</tr>
<tr>
<td>Joe Harris</td>
<td>Promo. Athletic Dept.</td>
</tr>
<tr>
<td>Val Harvey</td>
<td>Administrative Asst. to Dean of Nursing</td>
</tr>
<tr>
<td>Kim Hecht</td>
<td>Custodian</td>
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<tr>
<td>Kurt Hemphill</td>
<td>Asst. Controller</td>
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<tr>
<td>Jo Hodges</td>
<td>Library Technical Assistant</td>
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<tr>
<td>Dorothy Hoffman</td>
<td>Administrative Asst. to the Dean of Education</td>
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<tr>
<td>Patty Horn*</td>
<td>Dean of Education, Professor of Education</td>
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<tr>
<td>Herb Howard</td>
<td>Utility Man</td>
</tr>
<tr>
<td>Janet Howard</td>
<td>Exec. Asst. to the President</td>
</tr>
<tr>
<td>Tami Jagels</td>
<td>Secretary to Controller</td>
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<tr>
<td>Thor Jamsgard</td>
<td>Carpenter</td>
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<tr>
<td>Mary Johnson</td>
<td>Registrar</td>
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<tr>
<td>Renee Jones</td>
<td>Academic Counselor/Data Entry Personnel</td>
</tr>
<tr>
<td>Donnell Kimsey</td>
<td>Academic Counselor/Recruiter</td>
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<tr>
<td>Lori Longo</td>
<td>Credit and Collections</td>
</tr>
<tr>
<td>Donald Lusk</td>
<td>Electrician</td>
</tr>
<tr>
<td>Julie Denise Malcolm</td>
<td>Supervisor of Nursing Skills Lab</td>
</tr>
<tr>
<td>James Martin</td>
<td>Campus Security Officer</td>
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<tr>
<td>C. W. MacIntyre</td>
<td>Landscaper</td>
</tr>
<tr>
<td>Mary McMullen</td>
<td>Music Department Secretary</td>
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<tr>
<td>John Medley</td>
<td>Director of Financial Aid</td>
</tr>
<tr>
<td>Lori Myers</td>
<td>Apartment Manager</td>
</tr>
<tr>
<td>Sandy Muff</td>
<td>Director of Personnel Services</td>
</tr>
<tr>
<td>Mary Muncy</td>
<td>Boys Dorm Director</td>
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<tr>
<td>Cinda Nation</td>
<td>Secretary for Special Projects</td>
</tr>
<tr>
<td>Joanne Forsy-Nelson</td>
<td>Work Study Coordinator</td>
</tr>
<tr>
<td>Jaci Norton</td>
<td>Business Office Manager</td>
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<tr>
<td>Robert Norton</td>
<td>Accounts Payable</td>
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<tr>
<td>Sheila O’Connor</td>
<td>Secretary of Public Relations</td>
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<tr>
<td>Janie L. O’Donnell</td>
<td>Library Technical Assistant</td>
</tr>
<tr>
<td>Larry Olson*</td>
<td>Academic Dean/Admin. V.P., Prof. of Chemistry</td>
</tr>
<tr>
<td>Tina Olson*</td>
<td>Dean of Nursing, Assoc. Prof. Nursing</td>
</tr>
</tbody>
</table>
Also Listed as Faculty

John Zolinski
Larry Wrona
Beddy Witherpoon
Dr. Bill Williamson
Paul Westphal
Jan West
Carlo Wemp
Barry Thomson
Lisa Temple
Marvin Sullivan
Amy Steans
Gi Stilelli
Beatee Sputier
Wiliam Smith
Carly Sitter
Linda Sisco
Joanne Sanders
Margaret Richards
Bede Reid
Robyn Rawhill
Philippa Ivancick
Carol Pugh
Cindy Poirier
Joyce Parker
Tim Painter
Tim Painter
Can C. Pearce

Personnel 225
ADJUNCT FACULTY

Ray Adams, B.A., M.Div. ...................... Religion/History
B.A., Grand Canyon College/M.Div., Southern Baptist Theological Seminary

Tim Barone, B.S., BSMT. ..................... Microbiology
B.S., Grand Canyon College/BSMT., Arizona State University

Betty Beck, B.A., M.A., Ph.D. ................ English
B.A., DePauw University/M.A., Ph.D., University of Oklahoma

Patricia Beck, B.A., M.A. ..................... French/Business
B.A., Michigan State/M.A., American Graduate School of International Management

Donald Boehmer, B.S., M.S. .................. Economics
B.S., M.S., Southern Illinois University

Rocio Bond, B.A. .............................. Spanish
B.A., Grand Canyon College

John Booth, B.A., Th.M., Th.D. ................ Sociology
B.A., University of Richmond/Th.M., Th.D., Dallas Theological Seminary/
Additional Graduate Study, Arizona State University

Susan Chu, B.A., M.M. ......................... Music
B.A., National Taiwan University/M.M., Northwestern University

Nancy Clauter .................................. Music

Sheila Corley, B.S., M.M. ..................... Music
B.S., Grand Canyon College/M.M., Arizona State University

Bette Eden, B.A., M.A., Ed.D. ................ Education
B.A., Lindenwood College/M.A., Ed.D., Arizona State University

Debbie Ermoian, B.S., M.S. .................. Mathematics
B.S., Grand Canyon College/M.S., Arizona State University

Cindy Galles ................................. Physical Education

Duane Given, B.A., M.Ed. .................... Education
B.A., Northern Iowa University/M.Ed., Shippensburg State College

Leo Hallahan, B.A., M.Ed. ................... Education
B.A., Loras College/M.Ed., University of Arizona

Richard Hamilton ............................ Physical Education

Elizabeth Hostetter, B.M., M.M. ............. Music
B.M., M.M., University of Louisville

Shirley Johnson, B.S., M.S. ................ Geography
B.S., State College, North Dakota/M.S., Arizona State University

Janet Klann, B.A., M.Ed. ..................... English
B.A., Grand Canyon College/M.Ed., Arizona State University

Mitchell Laird, B.S., J.D. .................... Business Law
B.S., Grand Canyon College/J.D., Arizona State University

Kathy Lindholm-Lane, B.S., M.F.A. .......... Theatre
B.S., Eastern Michigan University/M.F.A., Arizona State University

Glen Law, B.A., M.A. ......................... Journalism
B.A., University of Tulsa/M.A., Arizona State University

Jill Marderness ............................. Music
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Betty Younes</td>
<td>B.A., M.A.</td>
<td>University of Arizona</td>
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<tr>
<td>Tom Wallace</td>
<td>B.A., M.A.</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Jane Robinson</td>
<td>B.M., M.M., D.M.A.</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>J. Miles Puckett</td>
<td>B.A., L.L.B., Th.M.</td>
<td>Southern Baptist University</td>
</tr>
<tr>
<td>Charles Pooles</td>
<td>B.A., M.S.</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>Constance Princey</td>
<td>B.A.</td>
<td>Arizona State University</td>
</tr>
<tr>
<td>Carol Nichols</td>
<td>B.S., B.S.</td>
<td>Grand Canyon College</td>
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<tr>
<td>Chuck Mortonson</td>
<td>B.A., M.M.</td>
<td>Michigan State University</td>
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<tr>
<td>Tornme Miller</td>
<td>B.S., M.A.</td>
<td>Arizona State University</td>
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<tr>
<td>Pat Meyers</td>
<td>B.S., M.S.</td>
<td>Arizona State University</td>
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<tr>
<td>Robert MacMillster</td>
<td>B.A., M.M.</td>
<td>Arizona State University</td>
</tr>
<tr>
<td>DeAnna MacMillster</td>
<td>B.M.E., M.M.</td>
<td>Arizona State University</td>
</tr>
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</table>
B.A., University of Corpus Christi/B.D., Th.M., Southern Baptist Theological Seminary/M.Nat Sci., Arizona State University/Additional Graduate Study: Texas A & M University/University of California at Davis, George Peabody College, Arizona State University, Southern Utah State College

Robert Zenor, B.S., M.S., M.A. ......................... Mathematics
B.S., Northeastern State, M.S., Arizona State University/ M.A., University of Utah

FACULTY

The list of faculty is in alphabetical order by the faculty member's name.

Diana Alderman, B.F.A., M.F.A. ................ Asst. Professor of Art
B.F.A., Radford University/M.F.A., Pennsylvania State University

Mike Baird, B.A., M. Div. ......................... Professor of Religion
B.A., Grand Canyon College/M. Div., Ph.D., Southwestern Baptist Theological Seminary

Wendal Bond, B.A. .................. Instructor of Art
B.A., Grand Canyon College

David Brazell, B.S., M.S., Ed. D. .................. Professor of Health and Physical Education
(Also Chairman of Department of Health and Physical Education)
B.A., University of Central Arkansas/M.A., Ed.D., Arizona State

Mildred Brazell, B.A., M.A., Ph.D.
Professor of Health and Physical Education
B.A., University of Central Arkansas/M.A., Ed.D., Arizona State

Ralph Bryan, B.S., M.A., Ph.D. ....................... Professor of English
(Also Chairman of Department of Humanities)
B.S., M.A., Arizona State University/Ph.D. University of Colorado

Beth Dalton, B.S., M.S.
Asst. Professor of Health and Physical Education
(Also Women's Volleyball Coach)
B.S., Liberty Baptist College/M.S., Middle Tennessee State University

Kaye Dillon, B.S., M.A. ..................... Asst. Professor of Speech
B.S., Grand Canyon College, M.A., Arizona State University

Cheryl Doan, B.S., M.M. .................. Asst. Professor of Music
B.S., M.M., North Texas State University

Stephen T. Donohue, B.A., M.A., Ed.D.
Professor of Psychology
B.A., M.A., Ed.D., New Mexico State University

Debbie Ermoian, B.S., M.M. .................. Instructor of Mathematics
B.S., Grand Canyon College/M.M., Arizona State University

Jean Foote, B.S.N., M.S.N. .................. Assoc. Professor of Nursing
B.S.N., University of Minnesota/M.S.N., University of Maryland

Peter Frischmann, B.A., M.B.A. ................... Asst. Professor of Accounting
B.S., Utica College of Syracuse University/M.B.A., University of Michigan

Elizabeth Gilbert, B.S.N., M.S.N. ............... Assoc. Professor of Nursing
B.S.N., Union College/M.S.N., Loma Linda University

Janice Goodner, B.S., M.M. ................... Asst. Professor of Music
B.S., Grand Canyon College/M.M., Arizona State University
Earl L. Logan, B.A., M.M., Ph.D., Arizona State University

Assoc. Professor of Music

University of Arizona, Tucson, Arizona/University/M.A., Southern Methodist University/B.M., Dallas, Texas/University/M.A., Southern Methodist University/B.M., Dallas, Texas/Associate Professor of Music


El Krencher, B.S., B.A., M.A., A.A., Arizona State University/B.A., University of Arizona/University/M.A., Phoenix, Arizona/Professor of Business

R. L. Jones, B.A., M.A., Ph.D., Arizona State University/University of Kansas/University/D.A., Arizona State University/Associate Professor of History

John Howerton, B.A., M.A., D.V.M., Arizona State University/Ph.D., Associate Professor of History

Patricia Horn, B.S., M.A., Ed.D., University of Oregon/University/M.Div., Arizona State University/Ph.D., Professor of Education/Director of Teacher Training

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Theological Seminary
A
Absences, chapel, 45
Class, 71
Academic Calendar, 6, 7
Academic Regulations
Change of courses, 69
Classification of students, 64
Course load, 68
Grading system, 65
Honor roll, 48
Probation, 70
Suspension, 70
Transcript of credits, 25, 58
Withdrawal, 28, 53, 66, 69
Accounting, 96
Major and Minor in, 90, 91
Accreditation of College, 12
Activities, eligibility for, 45
Student organizations, 45
Traditional events, 54
Administration and personnel, 221
Board of Trustees, 222
Administration, 222
Administrative staff, 223
Faculty, 228
Adjunct faculty, 226
Admission, 55 ff
Academic eligibility for, 56
Advanced placement, 57
Application for, 58
Entrance examinations, 57, 58, 62
From other colleges, 59, 61
High school credit needed, 57
High school rank, 56
International students, 61
Notification of, 58
Prior to graduation from
high school, 57
Readmission, 61
Registration, see Academic Calendar, 6, 7
Requirements prior to, 56
Special students, 56
To Summer Sessions, 15
Transfer students, 59, 60
Veterans, 120
Adult Education, courses in, 118
Also Training and Development
Advanced placement, 57
Early admission to College, 57
Aid, see Financial Aid
Aims of College, 10
Alumni Association, 22
Anthropology, 132
Application, for admission, 58
For employment, 29
For graduation, 79
For loans, see Financial Aid
For refund, 28
Applied Music, see Performing Arts
Apprentice teaching, see Student teaching
Approvals, 12
Art, 142 ff
Assistance, financial, see Financial Aid
Athletics, courses in, see
Health & Physical Education
Eligibility to participate, 45, 51, 71
Gymnasium, 19
Intercollegiate, 51
Intramural, 50
Medical examinations for, 52
Organizations, 45, 46, 48
Attendance regulations,
chapels, 45
class, 71
Auditing of Courses, 69, 76
Fee, 24
Honor student privilege, 73, 76
Awards, honors, recognitions, 48
B
Bachelor of Arts degree
Choice of major, 78, 84
Requirements for, 81, 82, 84
Bachelor of General Studies degree, 82
Bachelor of Science degree
Choice of major, 78, 84
Requirements for, 81, 85
Also specific majors
Behavioral Science, 126
minor in, 126
Bible, courses in, 199
Major and minor in, 198
Required for graduation, 82
Biblical Studies, Center for, 204
Biology, 159 ff
Major and minor in, 159
Board, see Fees
Board of Trustees, 222
Bratton Memorial Library, 19
Breakage deposit, 25
Buildings
Dining facilities, 17, 52
For health and physical education, 19
For instruction, 19-21
Library, 19
Little Theatre, 21
Residences for men, 20
Residences for women, 20
Student Center, 19
Business and Economics, 89
Accounting courses, 96
Business Administration, 92, 93
Business courses, 98
Economics courses, 101
Majors and minors, 90
Marketing
Major in, 92
Training and Development,
93, 94, 100
C
Cafeteria, 24, 27, 52
Calendar, Academic, 6, 7

![Image of a person wearing a clown costume]
Campus facilities, 17
Catalog, choice of, 78
Center for Biblical Studies, 204
Certification for teaching, 105, 106
Change of courses, 69
Chapel attendance, 45
Charles M. Cooke Health Center, 20
Chemistry, 163 ff
   Major and minor in, 163
Choir, Concert Choir, 188
Christian emphasis, 10
Classes, attendance, 71
Level of, 64
Classification of students, 64
Clubs, see Student Organizations
College history, 16
College seal, 2
Commencement, dates, 6, 7
Attendance requirement, 81
Communications, minor in, 153
Composition and literature, 148 ff
Computer Center, 14
Computer Science, 168 ff
   Major and minor in, 168
Concurrent enrollment, 74
Conduct of students, 43
Contemporary affairs, see January Term
Control of the College, 11
Correspondence courses, 73, 80
Correspondence Directory, 4
Costs, see Fees
Counseling courses, see Psychology
Counseling of students, 53
Course descriptions, 87 ff
Course load regulations, 68
Courses, change of, 69
Class level of, 64
Elective, 84
Numbering of, 64
Order of taking, 65
Repetition of, 70
Courses of Instruction, 87 ff
Credit, unit of, 64
For correspondence/extension, 73
For ensembles, 172
For military service, 60
High school needed, 57
Quality points, 65
Required for graduation, 79
Required for major, 84
Required for minor, 84
Transcript of, 25, 56-58,
Criminal Justice, courses in, 135
Minor in, 135
Curricula
Requirements for graduation, 81, 82
See majors and minors outlined in departments of instruction
D
Dean's List, 48
Debate, see Forensics Club
Deferment of courses, see Courses, order of taking
Degree Plan, 80
Degree Programs, 84
Degrees, Bachelor of Arts, 78, 84
   Bachelor of General Studies, 85
   Bachelor of Science, 78, 84
   Bachelor of Science in Nursing, 206
Conferred - relation to majors, 78
Requirements for, 78 ff
Second degree, 78
Department fellows, 35
Departments of Instruction
   Business and Economics, 89
   College of Education, 103
   Health and Physical Education, 119
History, Social Sciences and Psychology, 125
   Criminal Justice, 135
   Sociology, 132
Humanities, 141
Art, 142 ff
Communications, 153
   English, 148 ff
   Modern Languages, 154 ff
   Natural Sciences and Mathematics, 157
   Performing Arts, 171
   Music, 172 ff
Theater/Speech, 192
Samaritan College of Nursing of Grand Canyon College, 205
Religion, 197
ROTC, 211
Also specific subjects, e.g. Geography
Deposits, see Fees
Descriptions of courses
   See various subjects of study
Dining facilities, 19, 52
Directory of Correspondence, 4
Directory of personnel, 221 ff
Diet, 43, 44
Dismissal from College, 43, 44
Distinction, graduation with, 67
Dormitories, see Buildings and Room
Drama, activities, 47
Drama, see Performing Arts
Dress, 44
Drinking, 43
Dropping of courses, 69
Drugs, 43

E
Ecology, see Environmental Science courses
Economics, courses in, 101
Minor in, 95
Education, College of, 103
Adult Education courses, 118
Art Education, 144
Certification, teacher, 50
Courses in, 113 ff
College of, 103
Elementary, 105, 110, 113
Health and Physical, 119
Major and Minor in, 110-113
Performing Arts, 174, 178, 181
Psychology, 137, 138
Secondary, 105, 112
Special, 111, 117
Teacher education curricula, 105 ff
Teacher placement, 29, 54
Elective courses, 84
Elementary certificate, 110
Eligibility
For student activities, 45, 71
For student officers, 45, 71
For intercollegiate athletics, 50
Employment and Financial Aid, 29
Also Placement Service
Endowment, see Tribute Fund
Endowed scholarships, 36 ff
English, courses in, 150 ff
Major and minor in, 148 ff
Proficiency requirements, 79, 148, 149
Required for graduation, 82
Entrance to College, see Admission
Environment of College, 10, 17, 42
Ethington Memorial Theatre, 21
Evening classes, 14, 22, 26
Examinations, comprehensive, 73
Entrance, 62
Late, 23, 72
Medical, 52
Writing Proficiency, 79
See various departments
Expenses, see Fees
Extension credit, 73, 80
Extracurricular activities, 45 ff
Foreign languages, see Modern Languages and Greek New Testament (Also page 82)

G
General information, 10
General Studies, Bachelor of, 82
General studies in degree programs, 82
Geography, 127
Geology, 165
German, courses in, 156
Governing body of the College, 11
Government, courses in, 127
Minor in, 127
Grade points, 65
Grades required for admission, 56
Grades required for continuation, 70
Grading system, 65, 66
Graduation
Application for, 80
Basic requirements, 79
Choice of catalog, 78
Curricular requirements, 81
Eligibility to participate, 81
Fee, 25
Grade average required, 70, 79
In absentia, 81
Majors and minors, 84
Quality points required, 61, 65, 79
Required English Proficiency, 79
Resident study required, 80
Upper Division courses, 63, 68, 79
With honors, 67
Grants, Tuition, see Financial Aid
Greek, New Testament, 201
 Guidance, 53
Gymnasium, 19

H
Health certificate required, 52
Health Center, 20
Service to students, 52
Health and Physical Education, 119
Courses in, 120 ff
Facilities for, 20
Major and minor in, 120, 121, 124
Required for graduation, 83
Veterans, credit allowed, 120
Henderson Home, Mrs. W. C., 21
High school, credits needed, 57
Advanced placement and credit, 57
History and Social Sciences, 125
Courses in, 127 ff,
Majors and minors in, 126-129
132, 134, 135, 137
Required for graduation, 82
Holidays
Dormitories closed for, 4, 27
Also see Academic Calendar
Honor Roll, 48
Honor organizations, 47
Honor at graduation, 67
Honors, Awards, Recognitions, 41, 48
Honors Study Program, 76
Housing, see Room
Humanities, 141 ff
Courses in, 142 ff
Required for graduation, 82
I
Incomplete grades, 65
Independent Study Courses, 74
Infirmary, 20
Instruction, courses of, 87 ff
Insurance, 27
Intercollegiate athletics, 51
International students, admission, 61
Advisor, 61
Intramural athletics, 51

J
January Term, 14, 24, 28
L
Laboratory science, required, 82
Languages, courses in, 154, 201
Late examination, 25, 72
Leave of Absence, 66
Library, 19
Life Science, see Biology
Linens, 27
Literature and Composition, 150 ff
Loans, see Financial Aid
Location of the College, 17

M
Majors and minors
Grade average required, 70, 84
Graduation requirements, 79
Named in relation to degrees, 84
Residence requirements, 80
Selection or change, 84
Map, campus, 18
Mathematics, 166, 167
Major and minor in, 166
Medical examination, 52
Memorial Endowment Funds, see Tribute Fund
Minimum residence required for graduation, 80
Ministerial student grants, 30
Minors, see majors and minors
Missionary-in Residence Home, 21
Modern languages, courses in, 154 ff
Minimum allowed toward graduation, 79
Recommended for graduation, 85
Also Greek, 201
Music, see Performing Arts

N
Natural Science and Mathematics, 157
Biology, 159-163
Chemistry, 163, 164, 165
Computer Science, 168-170
Majors and minors, 159
160, 163, 166, 168, 170
Requirements, course load, 68
For admission, 56
For continuing as a student, 70
For early admission, 57
For graduation, 79, 80
For Honors Study Program, 76
For teacher certification, 105
Minimum residence, 80
Reservations, room, see Room Residence, place of, 51, 52
Resident study required, 80
Room, also see Buildings
Assignments, 51
Deposit, 25
Fee, 24, 25, 26
Furnishings, 27
Guests, 27
Refund of fee, 27, 28
Reservation, 25
Student residences, 20
ROTC, 211
Army, 212-214
Air Force, 212-214
Scholarships, 35, 214

S
Samaritan College of Nursing of Grand Canyon College, 205
Curriculum Plan, 208
Degree Requirements, 206, 207
Facilities, 21
Prerequisites, 206
Second Degree, 78
Schedule changes, see Change of courses
Scholarships, 34 ff
Science, see Natural Sciences and Mathematics
Secondary certificate, courses for, 112, 113
Semester defined, 64
Semester hour defined, 64
Services, student, see Student Services
Smith Arts Complex, 21
Smoking, 43
Social Sciences, see History and Social Sciences Department, also Geography, Government, History, Sociology, and Criminal Justice
Social Studies Requirement for graduation, 83
Sociology, courses in, 132, 134
Major and minor in, 132
Spanish, courses in, 156
Minor in, 155
Special Education, courses for certification, 117, 118
Special Examinations, see Examinations and Late Examinations
Special programs of study Audit privilege, 76
Center for Biblical Studies, 204
Honors Study, 76
Pre-law, 12, 13
Training and Development, 94, 95
Special students, 56
Speech, courses in, 195, 196
See Performing Arts
Sports, see Athletics
Student Center, 17, 19
Student conduct, 43
Student government, 46
Student housing, see Room Student Life, 41
Student loans, 31 ff
Student organizations, 45 ff
Custody of funds, 45
Departmental and professional, 46
Eligibility for holding office, 71
Honor, 47, 48
Religious, 48