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

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

The college is a Christian institution where a Christian perspective is emphasized. The environment is one which features academic excellence.

Grand Canyon College is located in Arizona.

Annually Grand Canyon informs students of

FORWARD

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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<td>Phoenix, AZ 85061</td>
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<th>General Policy, Gifts and Endowment, Legal Matters</th>
<th>President of the College</th>
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<th>Academic Matters, Faculty, Curriculum, and Program</th>
<th>Academic Dean</th>
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<th>Registrar</th>
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<th>Expenses, Financial Arrangements, Student Employment on Campus</th>
<th>Director of Financial Aid</th>
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<th>Student Employment off Campus</th>
<th>Director of Placement</th>
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<th>Tuition Grants for Ministerial Students</th>
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<th>Dormitories and Housing</th>
<th>Dean of Students, Administrative Assistant</th>
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<th>Senior Vice President for Institutional Advancement</th>
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<th>Vice President for Planning &amp; Development</th>
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<th>Director of Financial Aid</th>
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<th>Academic Dean</th>
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<th>Alumni Affairs</th>
<th>Secretary of the Alumni Association</th>
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**INFORMATION FOR VISITORS**

The Administration Building faces toward Camelback Road and is the central one of the three buildings on Administration Avenue. Office hours are 8 a.m. to 5 p.m., Monday through Friday. From 9 a.m. to 12 o'clock noon on Saturdays the office of the Director of Admissions and the switchboard are open. During summer and holidays the office hours are 8 a.m. to 4 p.m. Holidays: Thanksgiving Day, Christmas Eve, Christmas Day, New Year's Eve, New Year's Day, Memorial Day, 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 writing to the Executive Vice President. If plans cannot be made far enough in advance, a telephone call will often find someone at the switchboard to arrange a visit. Telephone: Area Code 602, 249-3300.
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Introduction 5
## ACADEMIC CALENDAR

### 1982

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<th>MAY</th>
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### SUMMER SESSIONS*

- **1982**
  - Pre-sessions: May 24-June 4
  - First Term: June 4-July 8
  - Second Term: July 9-Aug 12

- **1983**
  - Pre-sessions: May 23-June 3
  - First Term: June 3-July 7
  - Second Term: July 8-Aug 11

- **1984**
  - Pre-sessions: May 21-June 1
  - First Term: June 1-July 5
  - Second Term: July 6-Aug 9

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

### FALL SEMESTER

<table>
<thead>
<tr>
<th>1982</th>
<th>1983</th>
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</thead>
<tbody>
<tr>
<td>Aug 30</td>
<td>Faculty Workshop</td>
</tr>
<tr>
<td>Aug 30</td>
<td>Dormitories open for new students</td>
</tr>
<tr>
<td>Aug 31</td>
<td>Conferences, placement tests, and orientation for new students</td>
</tr>
<tr>
<td>Aug 31</td>
<td>Registration for Seniors, Juniors, Sophomores</td>
</tr>
<tr>
<td>Sept 1</td>
<td>Registration for Freshmen and Transfers</td>
</tr>
<tr>
<td>Sept 2</td>
<td>Instruction begins, day classes</td>
</tr>
<tr>
<td>Sept 2, 6, 7</td>
<td>Evening Registration</td>
</tr>
<tr>
<td>Sept 2</td>
<td>Instruction begins, evening classes</td>
</tr>
<tr>
<td>Sept 13</td>
<td>Last day to register for credit</td>
</tr>
<tr>
<td>Oct 22</td>
<td>Records close for mid-term</td>
</tr>
<tr>
<td>Oct 25</td>
<td>Mid-term grade reports due by noon</td>
</tr>
<tr>
<td>Nov 1</td>
<td>Founder's Day (Monday)</td>
</tr>
<tr>
<td>Nov 11</td>
<td>Veteran's Day (day classes only)</td>
</tr>
<tr>
<td>Dec. 1</td>
<td>Last day to drop courses without penalty</td>
</tr>
<tr>
<td>Nov 25-28</td>
<td>Thanksgiving Holidays</td>
</tr>
<tr>
<td>Dec. 13-16</td>
<td>Final examinations (5th period MWF on Dec 9,10)</td>
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<tr>
<td>Dec 20</td>
<td>Grade reports due by noon</td>
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<tr>
<td>Dec 17-18</td>
<td>Christmas Holidays</td>
</tr>
<tr>
<td>Jan 2</td>
<td>Student Teaching</td>
</tr>
</tbody>
</table>

### STUDENT TEACHING

- Sept 2: Classes begin | Sept 1: Classes begin
- Sept 8: Last day to register for Education Block courses | Sept 7: Last day to register for Education Block courses
- Sept 24: Last day to drop Education Block courses without penalty | Sept 23: Last day to drop Education Block courses without penalty
- Oct 14: Classes end | Oct 13: Classes end
- Oct 18: Student teaching begins | Oct 17: Student teaching begins
- Dec 17: Student teaching ends | Dec 16: Student teaching ends

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*NOTE: The initial date in each instance is the date of registration.
### Academic Calendar 1983 (cont.)

#### Spring Semester

- **January**:
  - 22 January: Term Reports due
  - 21 January: Term ends (Fr.)
  - 21 January: Term begins (Mon.)

- **February**:
  - 21 Freshman Reports due
  - 21 Freshman Orientation
  - 22 Freshman Orientation
  - 23 Freshman Orientation
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- **March**:
  - 1 Freshman Orientation
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- **April**:
  - 1 Freshman Orientation
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- **May**:
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- **June**:
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- **July**:
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#### Student Teaching

- **Fall Semester**:
  - Sept 19: Student teaching begins
  - Nov 8: Student teaching ends

- **Spring Semester**:
  - Jan 27: Class begins
  - Feb 2: Last day to register for Education
  - Feb 9: Block courses begin
  - Feb 24: Last day to drop Education
  - Mar 14: Classes end
  - Mar 21: Graduation service

- **General Information**:
  - May 19: Commencement, 7 p.m.
GENERAL PURPOSE

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

SPECIFIC OBJECTIVES

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

1. An appreciation of spiritual realities, and of God's concern for the natural universe and its laws, for social institutions, and for each individual's life.

2. A high level of competence in effective analysis, in accurate and constructive thinking, in appropriate evaluation of evidence, in distinction of truth from error, and in creative scholarship.

3. A personal awareness of social values; an experience of courtesy, enjoyment, and poise in association with others; a concern for our American heritage and for human dignity and freedom; and a sense of responsibility toward community service.

4. Habits of clean living, clean speech, temperance, and personal decency; a sense of responsibility for doing high grade, honest work; and a proper regard for the rights and feelings of others.

5. Healthful living practices, physical vigor, and the enjoyment of participation in a variety of recreational activities.

6. A better understanding and appreciation of aesthetic values and of man's efforts toward self-expression in the creative arts.

7. The acquisition of professional skills in preparation for a chosen career.

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

CHRISTIAN EMPHASIS

Grand Canyon College attempts to provide a Christian atmosphere where spiritual issues are discussed, religious experiences are encouraged, and the relevance of Christianity to our culture is explored. The Christian emphasis of the College finds expression in both structured and unstructured campus activities. Structured activities include required attendance at chapel services, courses in Bible required for
Evidence of academic competence, meeting their responsibilities in and punctuality and dependability in
and professionalism, and intellectual, spiritual, and personal growth in
preparing future leaders for the college, including the academic
character, academic competence, community service, and leadership.

The name of Grand Canyon
Baptist Convention is elected by the Arizona Southern
College, governed by a board of trustees.

The College, owned and operated
by Arizona Southern Baptist is

The Institutional Staff is selected
with the approval of the President of
the college, in connection with any
employee of the college, or any employee of the
College, in connection with any

The College is accredited by the Arizona Southern
Baptist Convention, and

The Governing Body

The Governing Body includes representatives from the<br>community, students, faculty, and administration. Each year two
new members are appointed to the Board.

Grand Canyon College is committed to the cultivation of character, the development of spiritual growth, and the formation of an academic community. The college provides opportunities for students to develop leadership skills, engage in community service, and participate in extracurricular activities. The college is committed to fostering an environment that encourages intellectual curiosity and critical thinking. Students are provided with resources and support to help them achieve their academic and personal goals.
STUDENTS

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

ACCREDITATION

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

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

Provisional approval for the Bachelor of Science in Nursing degree has been given by the State Board of Nursing in Arizona.

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

The College is approved for Veterans and dependents.

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the College. (See page 56.)

TEACHER EDUCATION

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

All requirements for an elementary or secondary teaching certificate may be met at Grand Canyon College. The teacher education curriculum is described on pages 94 to 96.

PRE-PROFESSIONAL TRAINING

Pre-law

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

The minimum requirements for admission to law schools vary from three years of college preparation to a college degree. Whenever possible, a course of study should be arranged to fit the particular suggestions and requirements of the law school which the student wishes to attend. In any case, a broad preparation in English, history and government, and economics is recommended. Pre-law students are advised also to complete an elementary course in accounting.

The legal profession is exacting in its standards in regard to intellectual effort, honesty, and maturity. Basic objectives of pre-legal education should include the development of
Computer Center

The College provides academic computing services and support, including a variety of high-level programming languages, using a variety of high-level software. The College supports the use of digital equipment throughout the campus, providing access to various locations through interactive terminals. All students have access to the computer center, which provides training and support for academic computing and administrative computing.

Reserve Officers Training Corps

An advisory office is available to students interested in Reserve Officers Training Corps. Contact the Department of Military Science or the University of Arizona Police Department for more information.

Aerospace Studies

Students may take ROTC credit in Army or Navy Science or Engineering. These courses provide the foundation of military knowledge and skills needed by the junior officers of the military service. The goal of this program is to prepare students for the civilian work force or for officer training.

Through an arrangement with Arizona State University, Grand Canyon College offers a four-year degree in Aerospace Studies.

Health Fields

Suggested curriculum is described on page 136. Students should select from a broad range of courses in the humanities and social sciences. The pre-medical advisor will assist in planning academic schedules.

Through the College of Natural Sciences, students can be of assistance in planning academic schedules. A student who intends to enter the pre-medical program should consult with a pre-medical advisor.

Students interested in a career in nursing may obtain a Bachelor of Science in Nursing degree at the College. Successful applicants to the College must meet or exceed the requirements for admission to schools of medicine, dentistry, veterinary medicine, pharmacy, or optometry.

Courses offered are those which meet or exceed the requirements for admission to schools of medicine, dentistry, veterinary medicine, pharmacy, or optometry.

Through the Department of Natural Sciences, students are given an understanding of human institutions and creative power in the humanities, and scientific principles in the natural sciences.

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

Convocation, tours, special speakers, and performances are significant features of the interterm.

Students are encouraged to participate in community activities related to their studies, to visit historic sites, and to make use of many other resources for learning not readily accessible in a regular academic schedule.

Three semester hours of credit are given for the January Term. Regular tuition rates are charged plus a $20 special activities fee. For courses which include tours, additional cost is based upon expenses of the tour. Students may pre-register for the January Term at the beginning of the Fall semester. One January Term is required for each 42 hours earned in residence at Grand Canyon College.

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

SUMMER SESSIONS

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

Student Teaching during the Summer Sessions

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

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

Student teachers who are not enrolled in a regular program at Grand Canyon College must present a letter of
LOCATION

Bill R. Williams, 1978
Dillard W. White (acting president), 1977-78
William R. Hinze, 1973-77
Annette K. Tyson, 1966-67
Charles L. Mckay (acting president), 1965-66
Ethel F. Patterson, 1959-63
Gerald Eason (acting president), 1958-59
Loyd E. Simmons, 1955-58
Gerald Eason (acting president), 1954-55
Bo R. Hearn, 1952-54
Frank Hutton (acting president), 1952
Leroy Smith, 1950-52
William J. Ray, 1949-50

President of the College: The following men have served as President of the College:

Avondale Campus: 1949
Campbell Road at Thirty-Third Avenue: 1951-54

Fall Semester: 1949

College was chartered on August 1, 1949, and opened instruction with the 1949-50 school year. The college moved to Phoenix in September 1951, the college

HISTORICAL SKETCH

T he first definite steps toward founding Grand Canyon College 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, the college

Program 15

General College Information
Library

The Fleming Modern Classroom Building, a two-story, red brick building, is located in the heart of the campus. This building houses the library, classrooms, and administrative offices.

The library is one of the oldest buildings on campus, having been constructed in 1950. It is a central hub for academic research and learning. The library contains a variety of resources, including books, journals, and electronic databases.

In addition to the library, the Modern Classroom Building also houses several classrooms, lecture halls, and administrative offices. The building is well-lit and spacious, providing a comfortable learning environment for students.

The Fleming Modern Classroom Building is a symbol of the college's commitment to providing a high-quality education for its students. It is a testament to the college's dedication to excellence in education and its long history of serving the community.
Library of Recordings

There are approximately 3,100 albums of recordings in Fleming Library. Approximately 715 albums of classical recordings, were a gift to the library by an Arizona cowboy, Chet Brantner of Mohave County, who collected them over a period of more than 25 years.

Another portion of the recordings collection, approximately 1,180 albums, was given by Bud Glaze, a Phoenix businessman.

The remaining portion of the recordings collection was acquired by purchases and individual gifts.

A listening station is provided in the library for the enjoyment of students.

Athletic Facilities

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

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

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

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 houses 28 additional women.

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, three unit, modular construction houses 60 women. Another modular unit was built behind Bright Angel Hall, which houses 32 women. Funds for construction of these facilities were made possible through a lease-back arrangement with Mr. and Mrs. Conrad Veen. The Weidenaar name is in honor of Mrs. Veen's parents.
The Alumni Association of Grand Canyon College was organized in the Spring of 1953, when the first four-year class graduated. The consortium, membership of graduates, and those former students who have completed membership in the Alumni Association of Grand Canyon College, provides for presenting the activities of alumni of the College for the purpose of encouraging improvements and additions to the campus; and other items of interest to faculty, staff, members, and students.

College Publications

Building

Energy-Science

Tell Teller

Little Theater

Memorial

Ethington

Classroom

 Fleming

Health Center

Chamie M. Cook

Environmental science laboratories in biology, chemistry, physics, and physics. The building is completely equipped for research. Mr. and Mrs. Anthony P. Tell and the Tell Foundation donated the complete facility. We are especially grateful to Mr. and Mrs. H. A. Ethington, who gave generously through the generosity of Ethington Memorial Little Theater, with a seating capacity of 333. It was completed in 1977.

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

The Tell Teller Building serves as a small auditorium for lectures, plays, concerts, and recitals.

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. Only Graduates may hold a minimum of 12 semester hours in residence. Only Graduates may hold membership in the Alumni Association.
II. FINANCIAL INFORMATION
**STUDENT EXPENSES**

The regular school year is composed of a Fall semester, a January term, and a Spring semester. Summer school sessions are composed of two terms of five weeks each. The student may pre-register for January term as part of the Fall semester enrollment.

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

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

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

---

**TUITION, HOUSING, AND BASIC FEES**

<table>
<thead>
<tr>
<th>Academic Year, Including Evening School</th>
<th>Tuition, per semester hour</th>
<th>$ 71.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Audit fee, per semester hour (Scholarships do not apply)</td>
<td>71.00</td>
</tr>
<tr>
<td></td>
<td>General fee, 9 hours or more, per semester</td>
<td>50.00</td>
</tr>
<tr>
<td></td>
<td>General fee (includes parking), less than 9 hours, per semester hour</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>Parking fee, 9 hours or more per semester</td>
<td></td>
</tr>
<tr>
<td></td>
<td>September 1 through August 31</td>
<td>20.00</td>
</tr>
<tr>
<td></td>
<td>February 1 through August 31</td>
<td>10.00</td>
</tr>
<tr>
<td>Room (2 persons to a room)</td>
<td>Fall semester and January term</td>
<td>415.00</td>
</tr>
<tr>
<td></td>
<td>January term only</td>
<td>80.00</td>
</tr>
<tr>
<td></td>
<td>Spring semester</td>
<td>335.00</td>
</tr>
<tr>
<td></td>
<td>Extra for private room in dorm if available</td>
<td>60.00</td>
</tr>
<tr>
<td></td>
<td>For 3 persons to a room a 15% discount is given</td>
<td></td>
</tr>
<tr>
<td>Board</td>
<td>Fall semester (approximately)</td>
<td>650.00</td>
</tr>
<tr>
<td></td>
<td>Spring semester (approximately)</td>
<td>650.00</td>
</tr>
<tr>
<td></td>
<td>January Term (approximately)</td>
<td>100.00</td>
</tr>
<tr>
<td>Center For Biblical Studies</td>
<td>Tuition and all fees, per semester hour</td>
<td>$ 35.00</td>
</tr>
</tbody>
</table>

**Summer School**

<p>|  | Tuition, per semester hour (Scholarships do not apply) | $ 71.00 |
|  | Audit fee, per semester hour (Scholarships do not apply) | 71.00 |
|  | General fee, per 5-week term | 5.00 |
|  | Parking fee, June 1 through August 31 | 5.00 |
|  | Room, per term | 110.00 |
|  | Board (approximately) | 200.00 |
|  | Room, per week | 25.00 |</p>
<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reservation deposit for dormitory room</td>
<td>$400.00</td>
</tr>
<tr>
<td>Reservation deposit for dormitory room</td>
<td>$100.00</td>
</tr>
<tr>
<td>Late registration fee</td>
<td>$75.00</td>
</tr>
<tr>
<td>Temporary registration fee</td>
<td>$50.00</td>
</tr>
<tr>
<td>Late examination fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Additional Preament Brochure (includes 3 brochures)</td>
<td>$1500.00</td>
</tr>
<tr>
<td>Registration of second car</td>
<td>$200.00</td>
</tr>
<tr>
<td>Post office box rental, per semester</td>
<td>$200.00</td>
</tr>
<tr>
<td>Dormitory fees, per semester</td>
<td>$100.00</td>
</tr>
<tr>
<td>Transfers of credits, except the first</td>
<td>$250.00</td>
</tr>
<tr>
<td>Tuition policy royalty test</td>
<td>$100.00</td>
</tr>
<tr>
<td>Special examination, per semester or credit equivalent</td>
<td>$1250.00</td>
</tr>
<tr>
<td>Course charges after close of regular registration period begins</td>
<td>$100.00</td>
</tr>
<tr>
<td>Temporary registration partial fee</td>
<td>$50.00</td>
</tr>
<tr>
<td>This fee is charged by the Registrar's Office for not filling all</td>
<td></td>
</tr>
<tr>
<td>enrollment</td>
<td>$50.00</td>
</tr>
<tr>
<td>Regular registration partial fee</td>
<td>$50.00</td>
</tr>
<tr>
<td>This fee will be added to the financial record when a student</td>
<td>$50.00</td>
</tr>
<tr>
<td>MISCELLANEOUS FEES</td>
<td></td>
</tr>
</tbody>
</table>
| Return and the student's course of study, written application may be made for
| during the previous semester. Upon completion of training or
| service, the student must recover the deposit. For loss of keys and for other miscellaneous charges, each
| library is subject to charge for property loss or damage. This
| deposit is refundable to the student when the student's moves out of the dormitory.
| Breach of code of conduct or any laboratory of classroom
| Breach of code of conduct or any laboratory, breach of
| Reserve deposit or dormitory room                                  | $130.00 |
| This one-time fee must be paid before the Registrar's Office will set
| 2.00                                                                 |
| 10.00                                                               |
| 0.00                                                                |
| 2.00                                                                |
| 0.00                                                                |
| 2.00                                                                |
| 0.00                                                                |
| 1.00                                                                |
| 0.00                                                                |
| 0.00                                                                |
| 0.00                                                                |
| 0.00                                                                |
| 15.00                                                               |
| 2.00                                                                |
| Financial Information 23                                            |
## SPECIAL CLASS FEES

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independent Study</td>
<td>(includes Reading &amp; Conference courses, Practicums)</td>
<td>$20.00</td>
</tr>
<tr>
<td>Art</td>
<td>AR 183 Art Media/Methods</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>AR 213/313 Crafts</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>AR 223/323 Printmaking</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>AR 253/353 Jewelry</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>AR 263/363 Ceramics</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>AR 273/373 Sculpture</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>DGN 253 Design</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>AR 243 Photography I</td>
<td>$25.00</td>
</tr>
<tr>
<td></td>
<td>AR 343 Photography II</td>
<td>$30.00</td>
</tr>
<tr>
<td></td>
<td>AR 481 Studio Problems/Techniques</td>
<td>$20.00</td>
</tr>
<tr>
<td>Education</td>
<td>EDU 103/113 Reading Skills for Success in College</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>EED 326/SED 326 Student Teaching (per semester hour)</td>
<td>$10.00</td>
</tr>
<tr>
<td></td>
<td>EED 328/SED 328 Student Teaching (per semester hour)</td>
<td>$10.00</td>
</tr>
<tr>
<td></td>
<td>EDU 363 Audiovisual Materials &amp; Methods</td>
<td>$25.00</td>
</tr>
<tr>
<td></td>
<td>Student Teaching within 25-50 miles</td>
<td>$50.00</td>
</tr>
<tr>
<td></td>
<td>Student Teaching outside of Maricopa County</td>
<td>$100.00</td>
</tr>
<tr>
<td>Music</td>
<td>MAP All Private Lessons (per semester hour)</td>
<td>$90.00</td>
</tr>
<tr>
<td>Department</td>
<td>MUS All Class Lessons</td>
<td>$25.00</td>
</tr>
<tr>
<td></td>
<td>MAP/PAR 390 Junior Recital</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>MAP/PAR 490 Senior Recital (B.A.) (full)</td>
<td>$30.00</td>
</tr>
<tr>
<td></td>
<td>MAP 400 Senior Recital (B.S.) (short)</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>MED 232/241/251/262 Instrument Classes</td>
<td>$15.00</td>
</tr>
<tr>
<td></td>
<td>MUS 219 Opera Workshop</td>
<td>$35.00</td>
</tr>
<tr>
<td>Physical</td>
<td>PE 101 Swimming</td>
<td>$12.00</td>
</tr>
<tr>
<td>Education</td>
<td>PE 201 Bowling</td>
<td>$15.00</td>
</tr>
<tr>
<td>Department</td>
<td>DR 303 Driver Education</td>
<td>$20.00</td>
</tr>
<tr>
<td>Natural Science and Mathematics</td>
<td>Science Lab Fee (for each lab course)</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>SCI 114 Science Concepts</td>
<td>$35.00</td>
</tr>
<tr>
<td></td>
<td>EVS 312 Environmental Science Field Study</td>
<td>$25.00</td>
</tr>
<tr>
<td></td>
<td>MAT 313 Set Theory and Symbolic Logic</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>CS 301 Microprocessor Workshop</td>
<td>$20.00</td>
</tr>
<tr>
<td></td>
<td>CS 480 Readings and Current Literature</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

## STUDENT INSURANCE

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

Coverage becomes effective at 12:01 a.m. on September 1, or as soon thereafter as application for it is received. For students taking insurance in the fall only, coverage
APPLICATION FOR REFUND

If a student is forced to withdraw from school because of sickness or other uncontrollable cause approved by the administration, his or her refundable expenses are calculated according to the schedule below.

REFUNDS

The college's account and guest policy are as follows:

- Commuters' student account: the balance of the semester bill is charged for cash at the same rate as the balance due at the time the registers' office closes.
- Commuters' student account: the balance due at the time the registers' office closes.
- A student with a guest room: $10 per night for two people in the Fall semester. For one guest, the charge is $7.50 per night.
- Lines, towels, blankets, and pillows are furnished by the student.

ROOM AND BOARD

The college's account and guest policy are as follows:

- Commuters' student account: the balance of the semester bill is charged for cash at the same rate as the balance due at the time the registers' office closes.
- Commuters' student account: the balance due at the time the registers' office closes.
- A student with a guest room: $10 per night for two people in the Fall semester. For one guest, the charge is $7.50 per night.
- Lines, towels, blankets, and pillows are furnished by the student.

Financial Information
REFUND SCHEDULE

Fall and/or Spring Semester and Evening School refunds

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Registration without attendance (minimum charge)</th>
<th>$10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>During first week of classes (minimum charge)</td>
<td>25.00</td>
</tr>
<tr>
<td></td>
<td>During second week of classes</td>
<td>80% of total tuition</td>
</tr>
<tr>
<td></td>
<td>During third week of classes</td>
<td>60% of total tuition</td>
</tr>
<tr>
<td></td>
<td>During fourth week of classes</td>
<td>40% of total tuition</td>
</tr>
<tr>
<td></td>
<td>During fifth week of classes</td>
<td>20% of total tuition</td>
</tr>
<tr>
<td></td>
<td>After five weeks</td>
<td>No refund</td>
</tr>
</tbody>
</table>

| Fees                          | Fees are not refundable after the first week of classes. |

<table>
<thead>
<tr>
<th>Room</th>
<th>Minimum dormitory rental charge</th>
<th>$50.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Residence between two and three weeks</td>
<td>60% of charge</td>
</tr>
<tr>
<td></td>
<td>Residence between three and four weeks</td>
<td>40% of charge</td>
</tr>
<tr>
<td></td>
<td>Residence between four and five weeks</td>
<td>20% of charge</td>
</tr>
<tr>
<td></td>
<td>After five weeks</td>
<td>No refund</td>
</tr>
<tr>
<td></td>
<td>No refunds given without proper dorm checkout form.</td>
<td></td>
</tr>
</tbody>
</table>

| Board                         | Based on amount of coupons returned upon withdrawal. |

January Term refunds

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Full refund of tuition &amp; fees until January 1.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>January, first week only</td>
</tr>
<tr>
<td></td>
<td>January, after first week</td>
</tr>
</tbody>
</table>

| Room                          | Minimum charge-January withdrawal | $40.00 |

| Board                         | Maximum of $100 in returned coupons upon withdrawal before January 1. No refunds for off-campus courses or tours other than 10% up to $25 maximum of returned coupons. |

Summer School Refunds

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Registration without attendance—minimum charge</th>
<th>$10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Attendance 1-3 days</td>
<td>75% of tuition</td>
</tr>
<tr>
<td></td>
<td>Attendance 4-5 days</td>
<td>50% of tuition</td>
</tr>
<tr>
<td></td>
<td>Attendance 6-7 days</td>
<td>25% of tuition</td>
</tr>
<tr>
<td></td>
<td>After 7 days</td>
<td>No refund</td>
</tr>
</tbody>
</table>

| Fees                          | Fees are not refundable after the first week. |

<table>
<thead>
<tr>
<th>Room</th>
<th>Residence 1-3 class days</th>
<th>75% of charge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Residence 4-5 class days</td>
<td>50% of charge</td>
</tr>
<tr>
<td></td>
<td>Residence 6-7 class days</td>
<td>25% of charge</td>
</tr>
<tr>
<td></td>
<td>After 7 days</td>
<td>No refund</td>
</tr>
<tr>
<td></td>
<td>No refund is given without a proper dorm checkout form.</td>
<td></td>
</tr>
</tbody>
</table>

| Board                         | Based on amount of coupons returned upon withdrawal. The day of withdrawal is charged as one full day. |

FINANCIAL AID AND EMPLOYMENT

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

Students who will receive financial assistance must submit the ACT and SAT for admission. Students who fail to do so may be placed on academic probation and may be subject to dismissal from the college for academic failure.
MINISTERIAL GRANTS

Students who are training for work—ministers, missionaries, or volunteers—may be eligible for grants. The maximum grant per student is $2,000, except for those whose tuition fee exceeds $1,000. Grants are awarded to students whose expected family contribution is 35% or more of the amount necessary to meet the student's full college expenses. The amount of the grant is determined by the student's financial need and the colleges' determination of the student's eligibility.

The proceeds of the Cooperative Grant Program come from the following sources:
- Arizona Southern Baptist Convention
- Baptist General Convention of Texas
- Western Baptist Convention
- American Baptist Churches
- Baptist General Conference

The proceeds are used to provide scholarships for students who meet the eligibility requirements.

All applications for grants must be submitted to the Director of Financial Aid. The Director will review applications and determine eligibility.

CAREER PATHS

The Career Development Office provides a variety of services to help students prepare for their careers.

- Career counseling
- Job search assistance
- Resume building
- Interview preparation

The Career Development Office also hosts job fairs and workshops to help students develop their career skills.

PLACEMENT SERVICES

The Office of Placement Services provides a variety of services to help students secure employment.

- Resume writing
- Interview preparation
- Job search assistance
- Career counseling

The Office of Placement Services also provides a variety of resources to help students develop their career skills.

PART-TIME EMPLOYMENT AND WORK STUDY

Students who need to work while attending school may be eligible for part-time employment or work-study programs. The Office of Financial Aid can provide more information about these programs.

The Office of Financial Aid can also provide information about scholarships and grants for students who qualify.

All inquiries should be directed to the Office of Financial Aid.
under the direction of the Home Mission Board or Foreign Mission Board. 2) Students training for the preaching ministry. 3) All others shall apply to and be interviewed by the Review Committee of Denominational Cooperation Committee of the ASBC.

Qualifications (Home Church Endorsement). Student must have made a public commitment of his call to the ministry in his local home church in which he holds membership upon entering Grand Canyon College (GCC).

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

This church action shall be taken annually.

Qualifications (Church membership status while attending GCC). Arizona students must be affiliated with and be active in a local Southern Baptist church while attending Grand Canyon College, and be willing to submit a quarterly report signed by their local pastor.

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

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

Student must complete a questionnaire every time he applies for a grant.

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

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

Students receiving grants must complete REL 113 early in their academic career at GCC.

Students receiving grants must hold membership in the Grand Canyon College Ministerial Association.

a) Enforcement of this regulation will be carried out by the Association officers.

b) They shall report non-compliance to the Executive Office of the ASBC.

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

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

Responsibilities of the ASBC. The teacher of REL 113 shall give continuous guidance to all grant recipients.

The Denominational Cooperation Committee of the Executive Board of the ASBC shall have the responsibility of establishing procedures for the Ministerial Grant. a) A Review Committee shall work with the teacher in screening and supervising grant recipients. b) The Review Committee will be appointed by the Denominational Cooperation Committee.
Short Term Loans

Determine eligibility: Federal income exceeds $30,000.00 to determine if you are eligible. The student must submit a needs analysis if the funds are not available. The student must meet all federal guidelines. This program is available to all students who meet the requirements.

Guaranteed Student Loans

The Guaranteed Student Loans program provides federal loans to eligible students at federal institutions. The student must meet all federal guidelines. This program is available to all students who meet the requirements.

National Direct Student Loans

The National Direct Student Loans program provides federal loans to eligible students at federal institutions. The student must meet all federal guidelines. This program is available to all students who meet the requirements.
"C" average in their work. The student may borrow up to $250 per semester. The loan may be repaid starting four months after one ceases to be a full-time student at Grand Canyon College. At this same time interest at 6% per annum begins. After payments begin, the borrower has 36 months to pay off the loan.

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

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

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

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

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

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

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

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

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

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

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

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

**Student Loan Fund.** A small revolving fund made available by members of the faculty for emergency needs is open to any approved student for a maximum of $25. No interest is charged if the loan is paid by maturity.
In order to qualify, a student must be at least a junior and be majoring in a field with the teaching.

Department Fellows

Students who achieve the cumulative grade point average of 3.50 or above at Grand Canyon University and apply to the program in the department are considered for scholarships. The minimum GPA for the program is 3.50 (for a graduate program, 3.50 for a B.S. and 3.0 for a B.A.).

Student loan scholarships are available to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above.

Academic Scholarships

Scholarships are available to students who achieve the cumulative grade point average of 3.50 or above at Grand Canyon University and apply to the program in the department. The minimum GPA for the program is 3.50 (for a graduate program, 3.50 for a B.S. and 3.0 for a B.A.).

Student loan scholarships are available to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above. These scholarships are awarded to students who transfer from other colleges with an overall cumulative grade point average of 2.4 or above.

Scholarships, Grants, and Assistantships

Financial Information
(in some cases, minoring) in the department in which he serves. He must have at least a 3.00 average in the department as well as in all his college work.

The stipend is $50 per semester.

**Special Abilities Scholarships**

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

**Art, Drama, Speech.** Special talent scholarships in amounts up to $900 per year are offered to qualified students. Recipients are expected to use their abilities in projects sponsored by the College.

**Music.** Music scholarships, ranging up to $900 may be awarded each school year. Recipients of such scholarships are expected to participate in musical performances at the direction of the College.

**Grants-in-aid**

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

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

**ROTC Scholarships**

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

**Endowed Scholarships**

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

**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 demonstrated good scholarship and citizenship and has a concentration in humanities with a major interest in art.

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

**Vera Butler Scholarship.** This endowed scholarship fund has been established by gifts honoring Dr. Vera Butler, former professor at Grand Canyon College. Earnings from investments are awarded to women elementary education majors entering their senior year at Grand Canyon College who have demonstrated good scholarship and
The Tom & Kent Family Scholarship

The Tom & Kent Family Scholarship was established by Mr. Tom Lonergan, President of the College of Business, in memory of his father, Mr. Kent Lonergan, who was a long-time employee of the College. The scholarship is awarded to students who are majoring in business and who have demonstrated excellence in academic performance.

The William R. Hinte Memorial Scholarship

The William R. Hinte Memorial Scholarship was established by the Hinte family in memory of their son, William R. Hinte, who was a loyal and active member of the College community. The scholarship is awarded to students who have demonstrated excellence in academic performance and who have shown a strong commitment to the College.

The G. D. Crow Memorial Scholarship

The G. D. Crow Memorial Scholarship was established by the Crow family in memory of their son, G. D. Crow, who was a prominent alum of the College. The scholarship is awarded to students who have demonstrated excellence in academic performance and who have shown a strong commitment to the College.

The Cook/Bishop Memorial Scholarship

The Cook/Bishop Memorial Scholarship was established by the Cook and Bishop families in memory of their sons, Cook and Bishop, who were prominent alum of the College. The scholarship is awarded to students who have demonstrated excellence in academic performance and who have shown a strong commitment to the College.

The James E. Carroll Memorial Scholarship

The James E. Carroll Memorial Scholarship was established by the Carroll family in memory of their son, James E. Carroll, who was a prominent alum of the College. The scholarship is awarded to students who have demonstrated excellence in academic performance and who have shown a strong commitment to the College.
The McFarland Scholarship has been established by Mr. and Mrs. Ernest W. McFarland. The earnings will be used to benefit needy students, at the discretion of the Financial Aid Committee.

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 earnings will be used for a junior or senior student who meets eligibility requirements of academic achievement and need, who shows future promise of success in his chosen field.

The Lowell B. Parker Ministerial Scholarship Fund. This scholarship fund was initiated by Dr. Joyce Parker, honoring her husband on their 25th wedding anniversary in 1971. The fund is a permanent endowment scholarship for the benefit of ministerial students with financial need. Earnings from the endowment are divided equally between two students and are administered by the Financial Aid Committee.

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

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

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

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

The C.J. and Thelma B. Smith Ministerial Scholarship was made available by Mr. and Mrs. C.J. Smith, Sr. Earnings from the fund will be utilized to assist deserving ministerial students.

The Jerry D. Smithey Business Scholarship. This permanently endowed scholarship fund was established in 1979 by Mrs. Sarah Elizabeth Smithey and friends to honor Jerry D. Smithey, a Christian
Indian Student Tuition Grant Potential

The Director of Financial Aid has received an additional $90,000 from the John and Catherine Financial Aid Fund. Students from low-income families may apply for these grants, which are available to those with a demonstrated financial need. The application deadline is March 1, 2023.

President's Grant: The University of Arizona

The President's Grant is available to full-time undergraduate and graduate students who are enrolled in at least six credits. The grant covers tuition and fees for the fall and spring semesters. The application deadline is June 1, 2023.

Opportunity Grants: The University of Arizona

The Opportunity Grant is available to full-time undergraduate and graduate students who are enrolled in at least six credits. The grant covers tuition and fees for the fall and spring semesters. The application deadline is June 1, 2023.

Supplemental Economic Need Grant: The University of Arizona

The Supplemental Economic Need Grant is available to full-time undergraduate and graduate students who are enrolled in at least six credits. The grant covers tuition and fees for the fall and spring semesters. The application deadline is June 1, 2023.

Financial Information

For more information about admissions, financial aid, and scholarships, please visit the Financial Aid Office at 1115 South Campus Center. The office is open Monday through Friday from 8:00 AM to 5:00 PM.
such grants in the amount of $250 ($125 each semester) are awarded.

Work Grants

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

Canyon Trails (yearbook)
   Editor ................... $884.00
   Assistant Editor ........ 422.00
   Photographer ............ 586.00

Canyon Echoes (student newspaper)
   Editor ................... $884.00
   Assistant Editor .......... 422.00
   Photographer ............ 691.00

Intramurals
   Male Director ............ 522.50
   Female Director .......... 522.50

Dormitory Assistants
   5 for women's dormitories ........ 750.00
   4 for men's dormitories ........ 750.00

THE TRIBUTE FUND

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

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

CONDUCT

Grand Canyon College attempts to create an atmosphere conducive to the purposes of a liberal arts education in the Christian tradition. All students who enroll in the College are expected to accept the responsibilities of campus citizenship and to show consideration and respect for the personal freedom and property rights of members of the College community.
Students are expected to wear

engaged in other serious pursuits.

Students must demonstrate a mature,

lymphatic tissues are considered

in which are made up of cells

and produces antibodies. The

of the specific activity,

and are used to
tissues. These antibodies

that the student is

life
more detailed guidelines on dress, see the Student Handbook.

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

MARRIAGES

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

RELIGIOUS LIFE

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

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

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

CHAPEL ATTENDANCE

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

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

ELIGIBILITY FOR ACTIVITIES

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

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

Provides opportunities for international students and their friends to participate in cultural and academic activities, fostering a sense of community and belonging.

Religious Organizations

Promote the values of different religious communities on campus, offering a platform for students to explore their faith and engage in diverse religious activities.

Professional Clubs

Supports students interested in specific professional fields, providing networking opportunities and professional development workshops.

Departmental and Program Clubs

Facilitate student engagement with faculty and other students in specific academic programs, enhancing academic and social connections.

Student Clubs

Promote diverse interests, from music and art to sports and technology, fostering a vibrant student community.

The College emphasizes the importance of engagement and participation in extracurricular activities to enhance the educational experience.

The ASGCC

Acting as the voice of the student body, the ASGCC aims to represent student interests and concerns, working with the administration to improve campus life.

Government

President of the ASGCC

Functioning as the highest authority, the president ensures the smooth operation of the ASGCC and represents the student voice to the administration.

Organizational Funds

Allocated for specific purposes, these funds support various initiatives and projects that benefit the student body.

Custody of Organization Funds

Ensures that funds are managed responsibly and are used for their intended purposes.

Organizations

All student organizations are required to deposit their funds with the College Business Office.

Art Company of GCC

Focuses on the arts, providing opportunities for students to explore and express their creativity in various forms.

Professional Clubs

Encourage academic and professional development, linking students with professionals in their fields.

Religious Organizations

Supports diverse religious communities, fostering a respectful and inclusive environment on campus.

Departmental and Program Clubs

Promote academic and professional growth, offering specialized resources and networking opportunities.
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.

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

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

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

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

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

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

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

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

Resident Life Board coordinates social activities for men’s and women’s residence halls. It is composed of the elected social chairman of each dorm plus appointed committee members.

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

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

Service and Honor Organizations

Alpha Chi is an honorary scholarship and service fraternity for men and women, designed to promote excellence in academic, campus, and civic affairs. Juniors and Seniors in the top 10% of their classes may qualify for membership on the basis of high scholarship and a willingness to perform community service.
college work attempted, completion of at least 60 hours of work at Grand Canyon College and earned a minimum of 12 hours of more in a major or minor of study at Grand Canyon College. This recognizes the highest achievement for the senior year.

Ray-Madden Scholars. This
literary, or cultural affairs are recognized.
Honor awards for excellence in academic, forensics,
on appropriate occasions recognition of Regional or
Who in American Colleges and Universities.
ment, and students named for the current year or who
fellow. Roll and Dean's List, Department Fellow, Junior
categories: Ray-Madden Scholars, students on the honor
recognitions are students in one of more of the following
recognitions are students who have won distinction in academic pursuits
other appropriate activities to recognize the achievements and

Honors Day

HONORS AND SPECIAL RECOGNITION

Day is designed for a special assembly and

Fellowship of Christian Athletes

Missionary

Service Association is a home for foreign

students preparing for the missions

Ministries Association

Partners Student Union

Religious Organizations

Student Life
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 60.

Honor Roll and Dean's List. At the close of each semester, the freshman and sophomore Honor Rolls and the Dean’s List are published. Students carrying 12 or more semester hours with a minimum of 8 semester hours of graded courses are considered for these honors.

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

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

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

Special audit privileges for honor students are described on page 62.

Who's Who Among Students in American Universities and Colleges. This honor recognizes each year a select group of students with outstanding records of campus activities, citizenship, and promise of future success and usefulness in society.

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

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

STUDENT PUBLICATIONS

The Antelope

The student handbook is published by the Office of Student Development, and the Student Council. 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

Educational Tours

A three-day educational tour, which students may take at moderate cost, is arranged for each Fall semester to the northern part of Arizona. The tour includes such points
In order to be assured that the collegiate tennis will be a

credit to their institution and that it will be a component to a

watching the games of others.

development of their bodies by participating in games or by

development of, their own physical growth. Most

intracollegiate concepts for their own physical growth would

already developed, and therefore, do not need the

While it usually happens that those who are on the team are

well in the mind and soul. Perhaps nothing encourages an

Grand Canyon College believes in training the body as

are required for graduation.

credit in physical education activity

the College. Four semester hours of

correlated with the health program of

courses are taken during the junior and senior years.

The physical education activity

PHYSICAL EDUCATION

Programs

Musical

Academic

Drama, Radio, Television, and Speech

Athletic

Center

Recreation

Intramural

Athletic

Intercollegiate

Athletic

students must be enrolled in the academic year.

Plays, operas, and intracollegiate

opportunities for dramatic, radio, and speech participation.

A recreation center is open during the academic year.

ball, tennis, badminton, basketball, flag football, and softball.

During the regular academic year, a program of intramural

sport is provided, including such activities as volleyball,

of interest as the ghost city of Jerome, Oak Creek Canyon,

of interest are the Grand Canyon National Monument, and the Grand

WAHAT CANYON CREEK, MONTEZUMA CASTLE, SNUSET

Student Life 45
student to be a member of a team, the College has adopted the following rules:

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

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

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

**HOUSING SERVICES**

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

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

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

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

The minimum course load for a dormitory resident is stated on page 60.

**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. The cafeteria is closed during the Thanksgiving, Christmas, and Spring holidays.

Light lunches and refreshments are also available in the Student Center.
In an effort to offer academic support to any student attending Grand Canyon College, the services of a certified counseling service in the area are available. The College seeks to provide a counseling service to meet counseling beyond the capabilities of the faculty. The Office of Development and Alumni Relations consults with students regarding academic and career planning. All students are encouraged to take a personal development course to enhance their skills. The College also offers an alcohol and drug awareness program and a student support program. The College provides health services through a health center and a doctor's office on campus. All students are required to have health insurance and are encouraged to have a physical examination before enrolling in classes. The College provides transportation to and from the health center and the doctor's office. The College also provides a 24-hour counseling hotline for students. The College offers a variety of academic programs, including associate degree programs, bachelor's degree programs, and master's degree programs. The College is accredited by the Western Association of Schools and Colleges. The College is committed to providing a safe and healthy environment for all students. The College offers a variety of services to support students, including academic advising, financial aid, and academic support services.
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, the Office of Student Development or the Program Director.

PLACEMENT SERVICE

The College maintains a placement office which assists students in securing off-campus employment while in school and positions in the business and professional community after graduation. See page 27 for further information about this service and fees.

TRADITIONAL EVENTS

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<th>Reception for New Students and Faculty</th>
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<td>State B.S.U. Convention</td>
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<tr>
<td>Harvest Festival</td>
<td>Founders Day</td>
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<tr>
<td>Tour to Grand Canyon</td>
<td>Spiritual Emphasis Week</td>
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<td>Thanksgiving Breakfast</td>
<td>Friends of the Library Book Reviews</td>
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<td>Antelope Stampede</td>
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<td>Choralaires' Spring Concert</td>
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<td>Senior Class Day</td>
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IV. ADMISSION POLICIES & PROCEDURES

- Enhancement Examinations
- Admission of International Students
- Readmission
- Direct Transfer Plan
- Admission of Transfer Students
- Admission of Freshmen
- Advanced Placement
- Early Admission to College
- High School Clubs Recommended
- Academic Eligibility
- General Requirements
GENERAL REQUIREMENTS

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

An applicant must be at least 16 years of age.

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

ACADEMIC ELIGIBILITY

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 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 percentile may apply for admission on probation. (See Academic Probation on page 63.)

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.

Students admitted under special conditions may be required to modify their program of studies to include special courses. (See Provisional Status on page 63.)

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

HIGH SCHOOL UNITS RECOMMENDED

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

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

EARLY ADMISSION TO COLLEGE

A high school student with an exceptional academic record may attend Grand Canyon College during the Summer session preceding the
campus housing should contact the

Admission of Freshmen

Academic Dean.

Those interested should secure
hours of college credit.

Examinations:

Each of the General Examinations
will have at least 30 semester hours
of credit. A maximum of 60 semester hours
of credit, by examination or correspondence
may be applied toward a degree.

The College does not recognize credits earned
by study after a student has earned 64
hours of college credit.

Courses for college credit
may be granted on the recommendation
of the academic department concerned
and the student's advisor.

Advanced Placement Examinations

Admission of Freshmen

Admission to the University Center for the
academic year is dependent upon the
student's completion of the required
high school courses.

Applications must be submitted by
January 1st for the fall semester.

Admission to Grand Canyon College
is conditional upon the student
meeting the following requirements:

1. Completion of high school
   graduation or equivalent
2. Submission of official transcripts
   from previous high school
3. Submission of ACT or SAT scores

Applications for admission to the
University Center are accepted
throughout the academic year.

Apps
Campus Housing Office to obtain application and related information regarding regulations. (See page 46 for additional information.)

Applicants who wish to apply for financial aids should contact the Financial Aids Office to obtain applications and related information. (See page 26 for additional information.)

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

1. An application for admission along with a $15 non-refundable application fee.
2. Score report for either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). These examinations are offered on a regular basis throughout the country and in several locations overseas. The test should be taken as early as possible during or after completion of the junior year in high school. Only those score reports received directly from the testing agency will be accepted. The Grand Canyon College code number for the ACT is 0092. The code for SAT is 4331.

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

   Applicants entering with a G.E.D. and who have not been in high school for 5 years or more need not supply test scores.
3. A final high school transcript sent directly from the high school. Transcripts carried or mailed by the applicant are not acceptable. The transcript must show the date of graduation and the final numerical rank in class.
4. A student medical history (Part I of the Student Health Record). This must be submitted by all applicants. Those applicants who intend to live in campus housing must also submit the physician's statement (Part II of the Student Health Record) which must be completed and signed by a physician and dated less than six months prior to the date of first enrollment.

   Final dormitory room assignments will be made when all credentials, including health record and physician's statement, are received.

ADMISSION OF TRANSFER STUDENTS

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

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

A transfer student who is eligible to be classified as a senior must also pass the English usage test and must...
DIRECT TRANSFER PLAN

According to accreditation standards, Grand Canyon University accepts the completion of certain Associate of Arts degrees from Regionally Accredited Community Colleges as the equivalent of a year of study.

Another institution under suspension from a college due to credit deficiency for failing to meet the standards or the college's academic goals. The standards set by the Academic Affairs Committee of the Academic Council are not met. Students are asked to withdraw from the institution and may apply for other colleges.

The College does not recognize credit for non-credit courses.

The College reserves the right to require students to validate certain credits earned at a junior college.

Summer hours of college credit are not considered for the purpose of educational experiences. Credits earned after a student has earned a total of 54 semester hours or 54 academic credits are not considered for the purpose of educational experiences. The College does not recognize credit for non-credit courses.

Transfers of credit are recognized if the student has earned a "C" or above in all college work and the credit has been earned in residence at Grand Canyon University. Credit awarded from a junior college, a community college, or a regionally accredited college generally includes a preliminary assessment of the student's prior college work.

For the purpose of credit transfer, courses may be accepted toward a degree. Technical courses may be accepted toward the requirements of an academic program.

A Guide to the Evaluation of Educational Experiences in the Field of Study

(see page 1/13)
fulfillment of the general studies requirements with the exception of the six semester hours of Bible and six semester hours of January Term courses. Students who intend to apply for certification to teach in Arizona must fulfill the general studies requirements for the certification program listed in the Department of Education and Psychology section of this catalog.

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

Most students who enter under this plan can transfer to Grand Canyon College without losing any earned credit.

READMISSION

A student who has not maintained continuous attendance (except for Summer terms) in Grand Canyon College is required to apply for readmission on a form provided by the Registrar's Office. Transcripts of all additional work attempted in other institutions must be filed before readmission can be approved. (See page 70 for statement pertaining to choice of catalog.)

A student who has been out of Grand Canyon College for any reason for a period of one year or longer must submit an updated student medical history (Part I of the Student Health form). A student who withdraws for medical reasons must obtain a medical clearance report before re-entering. A student whose study at Grand Canyon College is interrupted for a period of less than one year is not required to supply additional health data.

ADMISSION OF INTERNATIONAL STUDENTS

In cooperation with the National Association of Foreign Student Advisers, an International Student Adviser has been designated at Grand Canyon College. International students should communicate with the Foreign Student Adviser, Grand Canyon College, P.O. Box 11097, 3300 W. Camelback Rd., Phoenix, Arizona 85061.

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

Prospective students must also furnish evidence of full financial support while in college. A minimum of $6,000 for each year of study, exclusive of travel and vacation expense must be certified. An additional $1,800, plus tuition, is needed for students who attend summer school. 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.
Entrance Examinations

Prospective students should consult the Academic Calendar for dates of entrance exams. Test scores must be included with the application for admission. Students applying for entrance in a Fall semester must submit their test scores by June 15. For entrance in a Spring semester, test scores must be submitted by December 15. All required records must be complete and received by the deadline. Official transcripts and test scores should be sent directly to the college. All students must enter via the college’s regular application process. Students who do not qualify for regular admission may apply for special admission through the special admissions program. Special admission is available at an additional fee through the college business office. Such students are encouraged to apply for financial aid as well. Students applying for special admission may be required to submit additional documentation, including supporting letters from a teacher or counselor.
V. GENERAL ACADEMIC REGULATIONS
DEFINITION OF SEMESTER HOUR

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

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, have earned a grade point average of 2.00 or above, have passed the English Usage Examination, and have filed an application for graduation.

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. They must be officially classified as seniors when they register for the final semester or term before graduation.

(See page 70 for General Graduation Requirements.)

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

Fifth Year Students—those students who have completed a bachelor’s degree from a regionally accredited institution and are accepted for a program of 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 70).

Unclassified Students—those students who are not working toward a degree and are not included in the above classifications.
The grade of "W" will be given only when a student has officially withdrawn from the course prior to the end of the regularly scheduled semester. When a grade of "W" is given, the student must complete all necessary work before the close of the grading period. When a grade of "W" is given, the student must complete all necessary work before the close of the grading period.

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

**Grading System and Quality Points**

- A: Outstanding performance; outstanding scholarship; outstanding performance
- B: Far above average; unusually good work
- C: Average; standard performance; acceptable college work
- D: Passing; below standard
- F: Failure; or unauthorized withdrawal
- W: Authorized withdrawal: no credit
- I: Incomplete (see note below)
- P: Pass
- N: No grade

For non-credit courses, additional work needed to meet requirements in non-credit.
Satisfactory completion of work or non-credit course.
Credit given but no grade or quality points.
Grace period (see note below).

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

- A: Outstanding performance; outstanding scholarship; outstanding performance
- B: Far above average; unusually good work
- C: Average; standard performance; acceptable college work
- D: Passing; below standard
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- W: Authorized withdrawal: no credit
- I: Incomplete (see note below)
- P: Pass
- N: No grade

For non-credit courses, additional work needed to meet requirements in non-credit.
Satisfactory completion of work or non-credit course.
Credit given but no grade or quality points.
Grace period (see note below).

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

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

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

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

ACADEMIC HONORS

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

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

In order to qualify for a specific honor, transfer students must meet or exceed the GPA requirement for that 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 43.

COURSE LOAD

A student who is enrolled for a minimum of 12 semester hours of credit courses during each of the Fall or Spring semesters is considered full-time. January Term enrollment is considered full-time, but January Term hours are not counted toward
DEAN

Dropping of Courses

A student is not permitted to drop a course after the last day for dropping a course at any time without a refund. Refunds are made upon the recommendation of the Academic Dean, except for very unusual reasons. (See academic calendar, Pages 6 and 7) Without receiving a grade of "F," (see academic calendar, Pages 6 and 7) no refunds are given a grade of "F." (See Academic Calendar, Pages 6 and 7) No refunds are given for credit or for fee charged for courses in accordance with the refund policy. (See Academic Calendar, Pages 6 and 7) Students may petition the Academic Dean to have a minimum of 45 semester hours of credit in upper division, 300 level or 400 level, in exceptional cases.

CHANGE OF COURSES

After 20% of the academic calendar on Pages 6 and 7, a student is not permitted to enroll in a course after the last date for enrollment. A student is not permitted to enroll on schedule of Refunds beginning on page 65. Determined by the date the student is required to enroll. Students may petition the Academic Dean.

UPPER DIVISION REQUIREMENT

A student who has earned a minimum of 12 semester hours in upper division courses in order to matriculate in a graduate or professional program must earn a minimum of 12 semester hours. (See Academic Calendar, Pages 6 and 7) No refunds are given for credit or for fee charged for courses in accordance with the refund policy. (See Academic Calendar, Pages 6 and 7) Students may petition the Academic Dean to have a minimum of 45 semester hours of credit in upper division, 300 level or 400 level, in exceptional cases.
WITHDRAWAL FROM ALL COURSES

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

AUDITING OF COURSES

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

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

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

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

GRADE REQUIREMENTS

For graduation students must present a minimum of 128 semester hours of credit and 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 52.

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.

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 records 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:
ELIGIBILITY FOR ACTIVITIES

College: A student with a cumulative grade point average of 2.00 or above, or who has a provisional status, may participate in any activity. A student who is on the probationary list is not eligible for any activity. A student who has been suspended by the college for violation of regulations established for academic or behavior offenses, or is on probation, may not participate in any activity.
CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The instructor announces at the first session of each course and also states in the course syllabus what the attendance requirements are and is the judge of whether the student has met the stated attendance requirements at the end of the course.

2. The student alone assumes responsibility for all absences. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Academic Dean. (See below, Permission to take examinations late.)

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

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

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

PERMISSION TO TAKE EXAMINATIONS LATE

Under certain conditions students may be permitted to take a major examination which they missed. In all such cases students must account to the instructor for their absences and must present a receipt from the Business Office showing payment of the necessary fee (see page 23).

CORRESPONDENCE AND EXTENSION CREDIT

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

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

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

COMPREHENSIVE EXAMINATIONS

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

Committee approval of the academic affairs may be made upon petition to and exceptions to the above policies.

Student's permanent record. Grade credit will be recorded on the validated of the validated the Business Office and pay the special examination fee.

1. Obtain an application for credit by examination from the Registrar's Office.
2. Complete the necessary information and obtain all necessary signatures.
3. Pay the special examination fee in the Business Office and obtain their validation of credit.
4. Present the validated application to the instructor who will be responsible for preparing 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 validation, and correspondence may be applied toward a degree, with a maximum of 30 hours for credit by examination. Credit may not be for a course which is equivalent to those courses for which CLEP examinations are not available. Credit applies only to college courses and only to the freshman year of enrollment at Grand Canyon College.

1. Application for credit by examination must be made during the first year of enrollment at Grand Canyon College.
2. Credit applies only to college courses and only to the freshman year of enrollment at Grand Canyon College.
3. Credit may not be for a course which is equivalent to those courses for which CLEP examinations are not available.
4. A maximum of 30 hours for credit by examination.

Limitations

Concurrent enrollment will not be kept. The graded examination will be kept. "C" or higher must be a letter grade. Only academic credit as "C". No entry will be shown on the student's permanent record.
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 instruction 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 unless specified otherwise in requirements for a major. For upper division students with a grade point average of 3.00, with approval of the department chairman, instructor, and the Academic Dean.

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

- **Reading and Conference**
  Any course listed in the catalog may be taken by reading and conference with the instructor, with approval of the department chairman and the Academic Dean. The student must have a legitimate reason for seeking course credit through reading and conference. Normally students will not be permitted to receive credit for more than two courses by this method.

HONOR STUDENT AUDIT PRIVILEGES

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

Honors Colloquium led by faculty and
outside their own field.

This is accomplished through an
exchange with faculty and students
within their own discipline as well as
opportunities for advanced study
learning. It seeks to provide them with
unusual scholarships and apply for
challenge for a select number of
students who have demonstrated
unique educational

Honors Study Program is designed

General Academic Regulations
VI. GRADUATION REQUIREMENTS

Specific Academic Programs in Relation to Degrees
Elective Courses
Major and Minor Subject Studies
General Studies
Curricular Requirements for Graduation
General Requirements for Graduation
Choice of Catalog
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, English, Theatre-Speech, History, Music, Church Music, Performing Arts, Religion, Social Studies, and Behavioral Science.


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).

CHOICE OF CATALOG

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

GENERAL REQUIREMENTS FOR GRADUATION

Number of Hours and Grade Point Average

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

Students are not permitted to graduate at the end of a semester or term which they began with a grade point average of less than 2.00. (See page 58, Classification of Students.)
Correspondence and Extension Credit

Graduation Residence Minimum

Credit and Extension Correspondence

Minimum Amount

Application Allowed

for Graduation

The College grants credit for the first semester of a foreign language only upon completion of the second semester of the same language (correspondence and extension credit) at Grand Canyon College. See page 46 for additional information concerning correspondence and extension credit.

The requirements for graduation with honors are stated in the upper division.

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. The remaining 24 semester hours, including the 12 semester hours in an approved college major, are required for graduation. At least 12 semester hours of the equivalent immediately preceding graduation must be taken at Grand Canyon College.

Normally eight semesters of residence at the College is given twice each semester. Notices of the examinations will appear in the weekly college bulletin. The student whose work is judged to be less than competent will be referred to the English Department for assistance.

The student's competency in English, as judged by various departmental faculty, makes the final decision as to whether the student is qualified for the major. The English faculty read the essays. Those who pass them with their major department's recommendation are granted that department's approval and are permitted to continue in the English course. Students who fail in the English course are required to take English again and are not permitted to count toward their majors.

Any course with a grade below "C" in their major and are counted toward their majors should be able to write clear and correct exposition. Students who

Students must also have a "C" average (2.00) in their
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.

Attendance at Commencement Exercises

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

Eligibility to Participate in Commencement

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

Procedures:

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

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

Requirements:

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

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

This means that a student who suddenly decides to come back for a Summer term or one who finds graduation requirements could be completed by August but had not filed intent to graduate during the current year would not be eligible to participate in graduation exercises or receive the diploma until the following May. (This would not hinder one’s applying for a job or going on to graduate studies.)
<table>
<thead>
<tr>
<th>Course Type</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>MUS 22 Music Appreciation</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AH 112 Intro to Art or AH 123 Intro to Art</td>
<td></td>
<td>3</td>
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<tr>
<td></td>
<td>EVE 113 and EVE 123 Freshman English</td>
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<td>4</td>
</tr>
<tr>
<td></td>
<td>Communicative Arts (6 hours)</td>
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<td>6</td>
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<tr>
<td></td>
<td>Laboratory Science</td>
<td></td>
<td>3</td>
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<tr>
<td></td>
<td>Mathematics</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Scientific Foundations of Life (4 hours)</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>HIS 213, 223 Early and Recent American History</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>HIS 123, 133 History of Civilization I</td>
<td></td>
<td>6</td>
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<tr>
<td></td>
<td>HSB 133, 143 History of Civilization II</td>
<td></td>
<td>6</td>
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<tr>
<td></td>
<td>Social Foundations of Life (6 hours)</td>
<td></td>
<td>6</td>
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<tr>
<td></td>
<td>BIB 113, BIB 123 Old and New Testament History</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Spiritual Foundations of Life (6 hours)</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**General Studies:**

Courses in General Studies are primarily concerned with the minimum proficiency requirements for the major courses in other fields. They are designed to provide a broad base of knowledge and understanding in various disciplines. The courses are selected to ensure that students develop a well-rounded education and are prepared for future academic pursuits and professional careers.

The General Education Program includes courses in the humanities, social sciences, natural sciences, and mathematics. These courses are designed to develop critical thinking skills and to foster an understanding of the human condition and the natural world.

**Elective Courses:**

The Elective Course component of the General Education Program allows students to pursue areas of interest that are not covered by the required courses. Students are encouraged to develop a balanced curriculum that includes courses in the arts, humanities, social sciences, natural sciences, and mathematics.

**Curricular Requirements for Graduation:**

The completion of the required courses in General Education and the Elective Courses program is essential for graduation. Students are advised to select courses that align with their career goals and personal interests. The curriculum is designed to provide a solid foundation in critical thinking, problem-solving, and communication skills, which are essential in today’s global society.
VI. Physical Well-being (4 hours)
   Activity Physical Education
   (Students who transfer in 64 semester hours or
   more are required only 2 hours.)

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

VIII. Involvement in contemporary affairs. (January Term)
   An interdisciplinary approach with emphasis on active
   participation and individual research in both on and off campus
   experiences. One January Interim course is normally required for
   each 42 hours completed in residence, with the following
   exceptions:

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

   2. Those who meet their graduation requirements as
      essentially night students.

   3. Those who have taken one January Interim course, in
      sequence, each year they are in continuing residence.

IX. Foreign Language (recommended for B.A. Degree)
    One language only; should be taken consecutively
    (see page 71).

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. To change a major once it has
been declared as a junior, the student
must secure approval of both
departments in writing.

The student must also choose a
minor in a subject area other than the
major. The minor must consist of not
fewer than 18 semester hours. Of
these, six hours must be from
courses of junior-senior rank. 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 71).
A student continuing a foreign language proficiency from high school should begin the foreign language during his freshman year. For a music major with voice concentration, French or German is recommended. Foreign language is not required for a degree.

**64 hours or more.**

**Note:** Only two hours of Physical Education activity courses are required of students who transfer in.

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives Major or Minor</td>
<td>17</td>
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<tr>
<td>Electives Major or Minor</td>
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**Senior Year**

<table>
<thead>
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<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Electives Major or Minor</td>
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<tr>
<td>Electives Major or Minor</td>
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**Junior Year**

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Electives Major or Minor</td>
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<tr>
<td>Electives Major or Minor</td>
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**Sophomore Year**

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<tr>
<td>Electives Major or Minor</td>
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**First Year**

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<tr>
<td>Electives Major or Minor</td>
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<table>
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<tr>
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<th>Spring</th>
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<tbody>
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<td>Application</td>
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<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Art of Music</td>
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**Freshman Year**

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<tbody>
<tr>
<td>Electives Major or Minor</td>
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<table>
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<tbody>
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<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
</tr>
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</table>

**Notes:**
- **Music, Church Music, Religion, Social Studies, or Behavioral Sciences.**
- For majors in Art, Art Education, Bible, English, Theatre, Speech, History, and Special Studies, programs in a guide of check sheet majors are applicable in the following selected. Each of the following selected courses includes a guide of check sheet majors.
- Attention should be given to lower division courses, which are required in division courses, that may be prerequisites to upper division courses.
- The suggested is intended to major of their major and minor will be.
- When these majors and minors will be.
- In the beginning of their major and minor year the beginning of their major and minor year.
- The suggested is intended to major and minor will be.
- When these majors and minors will be.
- When these majors and minors will be.

**In Relation to Degrees**

A student may elect to take courses in a particular area, required in that particular area, appropriate for that individual major, minor, and elective studies offered in each department from the regular college curriculum.

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective Courses</td>
<td>75</td>
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</table>

Graduation Requirements
Suggested Program for Bachelor of Science Degree*


**Freshman Year**

<table>
<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Bible 113, 123</td>
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<td>3</td>
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</tr>
<tr>
<td>English 113, 123</td>
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<td>3</td>
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</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Lab Science or SCI 114</td>
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<td>Activity P.E.</td>
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<tr>
<td>Electives, Major or Minor</td>
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</tr>
<tr>
<td>January Term</td>
<td>3</td>
<td></td>
<td>16</td>
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<td></td>
<td>14</td>
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<td>16</td>
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</table>

**Sophomore Year**

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<thead>
<tr>
<th></th>
<th>Fall</th>
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<tbody>
<tr>
<td>Art or Music</td>
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<tr>
<td>Appreciation</td>
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<td></td>
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</tr>
<tr>
<td>History (see page 73)</td>
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<td>3</td>
<td></td>
</tr>
<tr>
<td>Activity P.E.</td>
<td>1**</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Electives, Major or Minor</td>
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<tr>
<td>January Term</td>
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<td></td>
<td>13</td>
<td>3</td>
<td>16</td>
</tr>
</tbody>
</table>

* Students in any of these programs which lead to teacher certification are referred to pages 92 and 93.

**Junior Year**

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

**Senior Year**

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<tr>
<th></th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Electives, Major or Minor</td>
<td>17</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>January Term</td>
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**Senior Year**

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<tr>
<th></th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Electives, Major or Minor</td>
<td>17</td>
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<tr>
<td>January Term</td>
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<td></td>
<td>17</td>
<td>15</td>
<td></td>
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</tbody>
</table>

**Only two hours of Physical Education activity courses are required of students who transfer in 64 hours or more.**

Requirements for the Bachelor of General Studies Degree

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

**General Studies**

Courses listed on pages 73 and 74

55 hours

Electives

73 hours

128 hours

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

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

Course prerequisites as stated in the catalog will be observed.

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

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

The student must pass the English Usage Exam required of all degree candidates.

The student must satisfy the minimum residence requirement.
Graduate schools, admission to professional schools, or admission to degree may not be accepted for teacher certification. Students who elect this program will sign a statement that they understand the Bachelor of General Studies Conditions.
VII. DEPARTMENTS OF INSTRUCTION

1. Department of Business and Economics
2. Department of Education and Psychology
3. Department of Health and Physical Education
4. Department of History and Social Sciences
5. Department of Humanities
6. Department of Natural Sciences and Mathematics
7. Department of Performing Arts
8. Department of Religion
9. Sammartino College of Nursing
10. ROTC
DEPARTMENT DESCRIPTION

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

The department offers a major in Training and Development which combines courses in business, education, and social sciences. The objective of this program is to prepare people to work with business and government in internal education and development. Because of the broad scope and extensive course requirements for this program, students who major in Training and Development are not required to complete a minor (see page 74, Majors and Minors).

DEGREE REQUIREMENTS—BUSINESS ADMINISTRATION

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102</td>
<td>American Business and Free Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>CS 133</td>
<td>Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>BUS 243</td>
<td>Business Machines-Math</td>
<td>3</td>
</tr>
<tr>
<td>BUS 323</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS 343</td>
<td>Introduction to Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213, 223</td>
<td>Survey and Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>ACC 214, 233</td>
<td>Principles of Accounting I, II</td>
<td>6</td>
</tr>
<tr>
<td>BUS 353, 363</td>
<td>Business Law I, II</td>
<td>6</td>
</tr>
<tr>
<td>BUS 373</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 383</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 393</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

42 hours

* Students majoring in Business are encouraged to develop a skill in touch typing. Students in Business Education must have proficiency equivalent to the requirements for Intermediate Typewriting. Students who feel they are proficient to this extent may take a special typewriting test given by the Department of Business and Economics. Notation of proficiency thus established is made on the student’s permanent record. Proficiency must be established by course or by examination before the student takes BUS 383, Business Communications. See page 23 for the examination fee.

Requirements for a minor in Business

- BUS 102 American Business and Free Enterprise 3 hours
- BUS 243 Business Machines-Math 3 hours
- BUS 214 Principles of Accounting I 3 hours
- BUS 353 Business Law I 3 hours
- ECO '213 Survey of Economics 3 hours
- Upper division electives in Business 3 hours
BUS 333

BUSINESS LAW I

See MAT 260 on Page 147.

BUS 344

INTRODUCTION TO PROBABILITY AND STATISTICS

A study of the development of our legal system with a brief study of the agency, and property

BUS 333

PERSONNEL

ADMINISTRATION

BUS 223 and ECO 223

Financing, organization, merger, and consolidation. Financial problems are considered in

BUS 322

FUNDAMENTAL OF BUSINESS FINANCE

The financial structure of various types of business organizations, including

BUS 244

BUSINESS MACHINES-MATH

Accounting records, government correspondence, ledger books, and

BUS 213

ADVANCED TYPWRITING

Attention given to developing speed plus accuracy in production of legible

BUS 212

INTERMEDIATE TYPWRITING

Copies with opportunity for composition at the typewriter. Open to persons

BUS 103

BEGINNING TYPWRITING

Economic system will be introduced.

BUS 102

AMERICAN BUSINESS AND FREE ENTERPRISE

Department of Business and Economics

Free Fall 3 hours
BUS 363 BUSINESS LAW II
A continuation of BUS 353. Included in this course is the study of partnerships, corporations, sales, commercial paper, credit, and government regulations and agencies.

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

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

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

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

DEGREE REQUIREMENTS—ACCOUNTING

Students with accounting minors who wish to complete the major in accounting should consult the major professor or the department chairman regarding additional courses which may be transferred from another accredited college or university.

Requirements for a minor in Accounting*

ACC 214, 233 Principles I, II 6 hours
ACC 313, 323 Intermediate Accounting I, II 6 hours
Electives in Accounting 6 hours

* When a minor in another business area is taken with a major in Business, there is some duplication of requirements. A course involved in such duplication is counted toward the minor only. The student takes sufficient electives in Business and Economics to satisfy the requirement of 42 hours in the Business major.

ACCOUNTING

ACC 214 PRINCIPLES OF ACCOUNTING I
An introduction to the fundamental principles and practices of financial accounting and the construction of financial statements.
ECONOMICS

Degree Requirements—Economics

ACC 443
Income Tax Accounting

ACC 433
Cost Accounting

ACC 313
Intermediate Accounting I

ACC 323
Intermediate Accounting II

ACC 312
Fundamentals of Federal Income Taxation

ACC 311
Fundamentals of Tax Research and Tax Planning Methods

ACC 310
Principles of Income Accounting
ECO 363  MONEY AND BANKING     Fall, 1983, and alternate years/3 hours
A general survey of commercial banking operations, the Federal Reserve System, the qualities of a good monetary system, the theory of value of money, money and banking history, deposit insurance, and foreign exchange. Prerequisite: ECO 213.

ECO 383  ECONOMIC HISTORY OF THE UNITED STATES
See HIS 383 on page 114.

ECO 453  COMPARATIVE ECONOMIC SYSTEMS     Spring, 1983, 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.

DEGREE REQUIREMENTS—TRAINING AND DEVELOPMENT

The College, in cooperation with the Valley of the Sun Chapter of the American Society for Training and Development, offers a B.S. degree in Training and Development. Grand Canyon was the first college in the United States to offer an undergraduate degree in this field.

Because hundreds of thousands of employees are now taking training in business and industry, there is a great need for training and development personnel to assist in these programs in business, industry, and government.

COURSE OF STUDY FOR A B.S. DEGREE IN TRAINING AND DEVELOPMENT

Professional Courses

I. Business (36 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102</td>
<td>American Business and Free Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>CS 133</td>
<td>Introduction to Computer Science</td>
<td>3</td>
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<tr>
<td>ECO 213, 223</td>
<td>Survey and Principles</td>
<td>6</td>
</tr>
<tr>
<td>BUS 333</td>
<td>Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>BUS 373</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 453</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ECO 343</td>
<td>Family Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>BUS 343</td>
<td>Intro to Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Upper Division Business Electives*</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>36</td>
</tr>
</tbody>
</table>

*Electives recommended:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 323</td>
<td>Business Finance</td>
</tr>
<tr>
<td>BUS 393</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>BUS 353</td>
<td>Business Law I</td>
</tr>
<tr>
<td>BUS 363</td>
<td>Business Law II</td>
</tr>
<tr>
<td>Advanced computer science courses</td>
<td></td>
</tr>
</tbody>
</table>

II. Training and Development (17 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TD 303, 313</td>
<td>Training &amp; Development Principles I, II</td>
<td>6</td>
</tr>
<tr>
<td>TD 404, 414</td>
<td>Training &amp; Development Internship I, II</td>
<td>8</td>
</tr>
<tr>
<td>TD 323</td>
<td>Business Conference Leadership</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>
The student will have further opportunity to work under the supervision of a training and development officer in an industrial company, a business, or hospital in a government agency, depending upon one's special interest.

Every Spring/4 hours

DEVELOPMENT INTERNSHIP II

Every Fall/4 hours

DEVELOPMENT INTERNSHIP I

GROUPS, PRIMARY A LEARNING DEVICES FOR PROBLEM-SOLVING,

Fall, 1983 and alternate years/3 hours

LEADERSHIP

BUSINESS CONFERENCE

Every Spring/3 hours

TRAINING AND DEVELOPMENT PRINCIPLES II

Required for a minor in Training and Development

Total Hours: 128 hours

Training and Development

18-19 hours

INTERNSHIP II

3-4 hours

TD 404 Training and Development; PSE 383 Educational Psychology

SED 443 High School Curriculum/Methods OR

PSY 343 Fundamentals of Counseling & Guidance

PSY 313 Educational Psychology

PSY 363 Principles of Teaching Adults

TD 303, 313 Training & Development Principles I & II

REQUIREMENTS FOR A MINOR IN TRAINING AND DEVELOPMENT

9 hours

Should include SPC 113 Fundamentals of Speech.

L. Education: 9 hours

SED 443 Methods/Curriculum

PSY 213 General Psychology

PSE 443 Methods of Teaching Adults

SED 333 Survey of Adult Education

EDU 363 Audio-Visual Materials & Methods

DEPARTMENT OF BUSINESS AND ECONOMICS

Department of Business and Economics
Psychology
Degree Requirements—Psychology
Adult Education
Secondary Education
Special Education
Elementary Education
Education
Fifth Year Program
Degree Requirements—Education
General Studies for Teacher Education Programs
Application Procedures
Teacher Education Curriculum
Department Description

EDUCATION AND PSYCHOLOGY
DEPARTMENT DESCRIPTION

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

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.

TEACHER EDUCATION CURRICULA

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

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

1. Elementary Education.
2. Special Education (Learning Disabilities and Emotional Handicaps).
4. Endorsements (K-12) for Art, Music, and Physical Education. In order to qualify for an Endorsement, one must also have an Elementary Certificate or a Secondary Certificate. The Endorsement involves at least 40 semester hours in the specific teaching field. The methods of teaching in the specific teaching field at the elementary level and the secondary level must both be included in the 40 hours.

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

Basic Certificate, Elementary or Secondary

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

Standard Certificate, Elementary or Secondary

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 30 hours in upper division courses during a special Fifth Year Program designed by the chairman of the department in consultation with the student which will include prescribed professional courses. (See page 94.)
Education methods courses. Elementary Education majors must have a total of 28 semester hours in their major taken in residence at Grand Canyon College.

The Education Department at Grand Canyon College, any subsequent courses in the Teacher Education Program at Grand Canyon College, and for students who wish to transfer for purposes of meeting departmental requirements, certification may only be done with prior written permission from the Dean of Academic Affairs or the Education Department faculty. Students are required to complete all the following courses. Credit earned at other institutions will not be accepted in lieu of these courses.

Students who wish to enroll in any of the following courses must be accepted into the Teacher Education Program. The program will be assigned to the Teacher Education Program Coordinator. Following the Teacher Education Program Coordinator’s review of the student’s application, a letter will be issued to the student indicating acceptance.

Students accepted into the Teacher Education Program may appeal to the Teacher Education Committee. This Committee consists of the Teacher Education Program Coordinator, and representatives from the Education Department faculty. Students will be notified in writing as to the decision taken.

Application Form:

Education Teacher Application

Application for Education Teacher Program

Application for the Education Teacher Program to be reviewed by the Teacher Education Program Coordinator. The Teacher Education Program Coordinator will review the completed application and all supporting references. Applications are not processed until all supporting documents are submitted.

Examination (see page 71): All candidates must have passed the English Language Test.

 Eligibility

Applicant must have a 2.50 or above in the Teaching field and an overall average of 2.50 in all coursework. Candidates must have completed at least 28 semester hours of college work with a minimum grade point average of 2.50.

In order to become a candidate for teacher education, a candidate must have completed a Bachelor’s degree in the appropriate teaching field.
Secondary Education majors must have a total of 19 hours in Education taken in residence at Grand Canyon College. Either a methods course in their major field or a methods course in high school curriculum must be taken at Grand Canyon College.

All students who wish to be placed in student teaching must make written application. Appropriate forms are available from the Education Office, Room 116, Faculty Building. A 2.50 grade point average overall, a 2.50 at Grand Canyon College, and a 2.50 in the major area as well as a recommendation from the faculty are prerequisites.

Deadlines for applying for student teaching are as follows:
- To teach during Fall semester—April 15
- To teach during Spring semester—November 15
- To teaching during Summer session—March 15
  (Available to Fifth Year students only.)

The appropriate time periods for student teaching are as follows:
1. Nine weeks of student teaching are required for certification in one area of teaching.
2. Twelve weeks of student teaching are required for certification in two areas of teaching.
3. Fifteen weeks of student teaching are required for certification in three areas of teaching.

The student teaching semester is offered on a “block” basis. The students complete 16 hours of course work in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 8 hours of course work in professional education. The second block, of nine weeks duration, is reserved for student teaching and carries 8 hours of credit. Exceptions to the second block are made for students who are in the Fifth Year Program (see page 94). These students are given the option of taking 6 hours of student teaching, for a semester total of 14 hours.

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

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

### GENERAL STUDIES—TEACHER EDUCATION PROGRAMS

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113, 123 Old and New Testament History</td>
<td>6</td>
</tr>
<tr>
<td>EEW 113, 123 Grammar, Composition, and Literature</td>
<td>6</td>
</tr>
<tr>
<td>Art and/or Music (includes MUS 252 or AH 112)</td>
<td>4</td>
</tr>
<tr>
<td>HIS 213, 223 American History</td>
<td>6</td>
</tr>
</tbody>
</table>
**Requirements for a major in Special Education (B.S. Degree)**

**Certification (Grades K-12)**

**Courses for Learning Disabilities and Elementary**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EED 333</td>
<td>Music in the Primary and Elementary Grades</td>
<td>3</td>
</tr>
<tr>
<td>EED 332</td>
<td>Art in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>EED 333</td>
<td>Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>EED 334</td>
<td>Exploring Education as a Career</td>
<td>3</td>
</tr>
</tbody>
</table>

**Recommended electives for elementary teacher candidates**

- Subject matter minor
- Elementary Education majors must present an appropriate 18–24 hour program in other education courses.

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

**Courses for Elementary Certificate (Grades K-8)**

**Degree Requirements - Education**

Program:

- MAT 113: Liberal Arts Math
- Laboratory Science
- GOV 303 or 313 (Child or Adolescent Psychology)
- PSY 213: General Psychology
- GOV 301: Federal and Arizona Government
- SPC 113: Fundamentals of Speech
- Physical Education

Department of Education and Psychology

1985 Student Policy Requirements Update
EED 403 Math for Elementary Teachers 3 hours
EED 412 Decoding 3 hours
EED 433 Reading: Elementary School 3 hours
EED 443 Reading Practicum 3 hours
SPE 323 Orientation to Education of Exceptional Child 3 hours
SPE 333 Diagnosis of Learning Problems 3 hours
SPE 353 Survey of Learning Disabilities 3 hours
SPE 363 Methods of Teaching Children with Learning Disabilities 3 hours
Elective in Special Education 3 hours

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

58 hours

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

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

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

** EDU 303 Foundations of Education 3 hours
EDU 363 Audio-Visual Materials and Methods 3 hours
EED 323 Curriculum and Methods: Science 3 hours
EED 343 Communication Arts 3 hours
EED 363 Curriculum and Methods: Social Studies 3 hours
EED 403 Math for Elementary Teachers 3 hours
EED 412 Decoding 3 hours
EED 433 Reading: Elementary School 3 hours
EED 443 Reading Practicum 3 hours
SPE 323 Orientation to Education of Exceptional Child 3 hours
SPE 333 Diagnosis of Learning Problems 3 hours
SPE 383 Survey of Emotional Handicaps 3 hours
SPE 393 Methods of Teaching the Emotionally Handicapped Child 3 hours
Elective in Special Education 3 hours

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

58 hours

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

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

** EDU 303 Foundations of Education 3 hours
EDU 363 Audio-Visual Materials and Methods 3 hours
SED 443 High School Curriculum and Methods 3 hours
Special methods in major teaching field (if available) 2-3 hours
SED 452 Reading in the Secondary School 3 hours
SED 462 Reading Practicum in Secondary School 3 hours
EDU 303 
Foundations of Education

Minimum of 45 hours will be spent in the public school classroom. For those noted for degree candidacy, 30 semester hours of upper division work in appropriate professional education programs are required to meet current teacher certification requirements. A bachelor's degree from a regionally accredited institution is required for a regular or supervised student teaching program. Students majoring in certification for students majoring in a minor is also required for a minor in education or music education. A student majoring in education or music education in a minor in education for secondary school teaching field, secondary school teaching, and education courses.

EDU 103 
Reading Skills For Success In College

EDU 131 
Exploring Education

EDU 183
See EDU 103.

EDU 304 
Cooperative Education

EDU 312 
Exploring Education

EDU 313 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College

EDU 103 
Reading Skills For Success In College
EDU 313 EDUCATIONAL PSYCHOLOGY  
Every semester and every Summer/3 hours  
Also PSY 313. A thematically arranged study of the theories and principles of psychology which have influenced learning and teaching techniques. Included are such topics as child development, learning, motivation, and evaluation. Prerequisite: PSY 213.

EDU 320 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 department.

EDU 363 AUDIO-VISUAL MATERIALS AND METHODS  
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 413 TESTS AND MEASUREMENTS  
Every semester and every Summer/3 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. Prerequisite: EED 343 or SED 443.

ELEMENTARY EDUCATION

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

EED 323 CURRICULUM AND METHODS: SCIENCE  
Every semester and every Summer/3 hours  
Designed to acquaint the elementary teacher with the curriculum and the effective techniques for the teaching of science. The student is involved in planning instruction, employing science programs that are currently being used in the public schools, and using instructional models. Laboratory experiences. Prerequisite: EDU 303 and a laboratory science course.

EED 328 STUDENT TEACHING IN THE ELEMENTARY GRADES  
Every semester/8 hours  
The student is assigned to an approved school to serve as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: 35 hours of required courses for elementary certificate, a 2.5 GPA, and admission to the elementary education program. Credit only. No grade is given.
SPE 333

PROBLEMS OF LEARNING

Diagnosis

Three year cycle, followed by three year cycle, with their introduction to the various categories of exceptional children with their fall/spring/hours

SPE 332

ORGANIZATION TO EDUCATION

OF EXCEPTIONAL CHILDREN

EDU 303, 433

EDUCATION

EDU 303: Pre-requisite: EDU 302, 433: Pre-requisite: EDU 303. Reading experience over the length of one semester. Taken concurrently with EDU 433. Designed to provide prospective elementary teachers with an intensive introduction to the various categories of exceptional children. Fall/spring/hours

EDU 433: Pre-requisite: EDU 432. Must be taken concurrently with EDU 432. Emphasis on individualized reading comprehension, thinking, and a life-long love of reading. Weekly seminar and every summer/hours

EDU 432: Pre-requisite: EDU 431. Emphasis on individualized reading comprehension, thinking, and a life-long love of reading. Weekly seminar and every summer/hours

EDU 413: Pre-requisite: EDU 411. Emphasis on individualized reading comprehension, thinking, and a life-long love of reading. Weekly seminar and every summer/hours

EDU 403: Pre-requisite: EDU 402. Emphasis on individualized reading comprehension, thinking, and a life-long love of reading. Weekly seminar and every summer/hours

EDU 373: Pre-requisite: EDU 372. Children’s literature and reading development in the field. Emphasis on creative and current developments in the field. Weekly seminar and every summer/hours
SPE 353  **SURVEY OF LEARNING DISABILITIES**  
Every Fall/3 hours  
Developmental and observable characteristics of the child with learning disabilities, encompassing the many individual theories being applied to education of the special student. **Prerequisite:** SPE 323.

SPE 363  **METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES**  
Every Summer/3 hours  
Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. **Prerequisite:** SPE 333.

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

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

SPE 408  **STUDENT TEACHING IN SPECIAL EDUCATION: LEARNING DISABILITIES**  
Every semester/8 hours  
A practicum course designed to give the student teacher experience in teaching children with learning disabilities. All-day assignment for nine weeks in an approved school. **Prerequisites:** 50 hours of required courses for special education certificate, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.

SPE 418  **STUDENT TEACHING IN SPECIAL EDUCATION: EMOTIONALLY HANDICAPPED**  
Every semester/8 hours  
A practicum course designed to give the student teacher experience in teaching children with emotional handicaps. All-day assignment for nine weeks in an approved school. **Prerequisites:** 50 hours of required courses for special education certificate, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.

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**SECONDARY EDUCATION**

SED 328  **STUDENT TEACHING IN HIGH SCHOOL**  
Every semester/8 hours  
The student is assigned to an approved school to serve as a teacher for half a semester under the supervision of an experienced teacher. **Prerequisites:** 23 hours of required courses for a secondary certificate, completed major, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.

SED 443  **CURRICULUM AND METHODS OF SECONDARY EDUCATION**  
Every semester and every Summer/3 hours  
A study of the total environment of the secondary school. Consideration is given to teaching as a profession, planning instructional objectives and strategies, classroom management, and individualized instruction. Each student is given the opportunity to design a model curriculum in his respective field of study and to create a variety of teaching techniques which are appropriate expressions of his model. **Prerequisite:** EDU 303.
### Requirements for a minor in psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 34 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 254 Personality Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 232 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 367 Experimental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 312 Educational Psychology and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 369 Introduction to Probability</td>
<td>3</td>
</tr>
<tr>
<td>PSY 203 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 222 Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

### Degree requirements - psychology

#### Principles of teaching

**Prerequisites of Teaching**

Public school programs, present and future local business and industry training programs as well as public and private local business and industry training programs. Education philosophies and training programs are often designed to prepare secondary school teachers with innovative, creative programs that are designed to provide a better understanding of the teacher's role and the needs of the students.

**EDU 355 Survey of Adult Education**

**EDU 369 Principles of Teaching**

**EDU 462 Reading Pracicum in Secondary School**

**EDU 482 Prepracicum: EDF 303**

**EDU 492 Prepracicum: EDF 303**
# PSYCHOLOGY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description and Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 213</td>
<td>GENERAL PSYCHOLOGY</td>
<td>Every semester/3 hours. A foundation course in the science of behavior. Includes a study of the origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments constitute a basic part of the course.</td>
</tr>
<tr>
<td>PSY 250</td>
<td>HUMAN GROWTH AND DEVELOPMENT</td>
<td>Every semester/3 hours. A course in developmental psychology with emphasis on the physical, social, cognitive, personality and moral developments within an individual. The course is designed to provide an understanding of the transitions of life from conception to death.</td>
</tr>
<tr>
<td>PSY 253</td>
<td>PERSONALITY DEVELOPMENT</td>
<td>Every semester/3 hours. An analysis of personality and its development at different age levels in the personal life of the individual. Attention is further given to the application of theoretical concepts in beneficial interpersonal relationships for the student.</td>
</tr>
<tr>
<td>PSY 303</td>
<td>SOCIAL PSYCHOLOGY</td>
<td>See SOC 303 on page 115.</td>
</tr>
<tr>
<td>PSY 313</td>
<td>EDUCATIONAL PSYCHOLOGY</td>
<td>See EDU 313 on page 96.</td>
</tr>
<tr>
<td>PSY 323</td>
<td>HISTORY AND SYSTEMS OF PSYCHOLOGY</td>
<td>Spring, 1983, and alternate years/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 &quot;B&quot; in PSY 213 during the first semester of their freshman year. Prerequisite: PSY 213.</td>
</tr>
<tr>
<td>PSY 333</td>
<td>PSYCHOLOGY IN RELIGION</td>
<td>See REL 333 on page 179.</td>
</tr>
<tr>
<td>PSY 343</td>
<td>FUNDAMENTALS OF COUNSELING AND GUIDANCE</td>
<td>Every semester and every Summer/3 hours. Designed for teachers, ministers, business persons, industrial workers, or workers in sociology. Emphasis is placed on the proper use of psychology as a tool for guidance by persons in various occupations. Prerequisite: PSY 213.</td>
</tr>
<tr>
<td>PSY 353</td>
<td>CHILD PSYCHOLOGY</td>
<td>Every semester and every Summer/3 hours. An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work, and play in child life; and the synthesis and integration of personality. Prerequisite: PSY 213.</td>
</tr>
<tr>
<td>PSY 363</td>
<td>INTRODUCTION TO PROBABILITY AND STATISTICS</td>
<td>See MAT 263 on page 147.</td>
</tr>
<tr>
<td>PSY 367</td>
<td>EXPERIMENTAL PSYCHOLOGY</td>
<td>Summer 1983, and alternate years/4 hours. A laboratory course emphasizing both the theoretical and applied aspects of experimental design and research methodology. A variety of experiments will be performed in such areas as learning, motivation, and perception. Prerequisite: PSY 213 and PSY 363.</td>
</tr>
<tr>
<td>PSY 373</td>
<td>ADOLESCENT PSYCHOLOGY</td>
<td>Every semester/3 hours. An examination of the meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests,</td>
</tr>
</tbody>
</table>
Abnormal Psychology

PSY 433

3 credit hours, 120 hours

Fall, 1982

PSY 403

11 credit hours, 20 hours

Fall, 1982

It is recommended that students take PSY 366 and BIO 334. This course is open to students in their junior and senior years and for those who have completed the prerequisites.

Abnormal psychology is the study of mental illness, the causes and treatment of mental illness, and the human aspects of mental illness. This course will focus on abnormal psychology and will also cover topics such as personality disorders, cognitive-behavioral therapy, and psychopharmacology. Students will learn about the various types of mental illness and their causes, as well as the treatment options available for each.

Current research in abnormal psychology will be discussed in class, and students will be required to read and analyze current research articles. The course will also cover the relationship between mental illness and social factors, such as culture and socioeconomic status.

Students will be expected to complete assigned readings and participate in class discussions. The course will include weekly assignments and a final exam. It is recommended that students take PSY 366 and BIO 334 before enrolling in this course.
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>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLT 203</td>
<td>First Aid &amp; Safety</td>
<td>3</td>
</tr>
<tr>
<td>HLT 213</td>
<td>Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>HLT 333</td>
<td>School Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>HLT 343</td>
<td>Principles of Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HLT 353</td>
<td>Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HLT 363</td>
<td>Methods of Teaching</td>
<td>3</td>
</tr>
</tbody>
</table>

HEALTH EDUCATION

HLT 203  **FIRST AID AND SAFETY**  
*Every Fall/3 hours*

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.

HLT 213  **PERSONAL HEALTH**  
*Every Fall/3 hours*

A study of personal health concepts with emphasis on the importance of good health in the attainment of life’s goals and aspirations.

HLT 333  **SCHOOL HEALTH PROBLEMS**  
*Every Spring/3 hours*

An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs.

HLT 343  **PRINCIPLES OF PUBLIC HEALTH**  
*Every Fall/3 hours*

Also EVS 343. A study of the public agencies and their contribution to the health of the community. Also includes fundamentals, philosophy, history, and functions of public health services.
PHYSICAL EDUCATION

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours</td>
<td>HLT 353 Anatomy and Physiology</td>
</tr>
<tr>
<td>3 hours</td>
<td>Pe 23 30 31 Methods</td>
</tr>
<tr>
<td>3 hours</td>
<td>Pe 33 43 Methods</td>
</tr>
<tr>
<td>2 hours</td>
<td>Pe 22 Professional Activities</td>
</tr>
<tr>
<td>2 hours</td>
<td>Pe 23 Professional Activities</td>
</tr>
<tr>
<td>3 hours</td>
<td>Pe 33 History and Principles</td>
</tr>
<tr>
<td>Any 4 hours</td>
<td>Pe 34 111, 121, 131, 201, 211, 231, 241</td>
</tr>
</tbody>
</table>

Requirements for a Minor in Physical Education

Students who wish to qualify for a minor in Physical Education must complete all of the following courses.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours</td>
<td>HLT 232 Physical Education Electives</td>
</tr>
<tr>
<td>3 hours</td>
<td>HLT 340 Recreation Administration</td>
</tr>
<tr>
<td>3 hours</td>
<td>Pe 23 30 41 Methods</td>
</tr>
<tr>
<td>2 hours</td>
<td>Pe 313 Kinesiology</td>
</tr>
<tr>
<td>2 hours</td>
<td>Pe 22 Professional Activities</td>
</tr>
<tr>
<td>2 hours</td>
<td>Pe 282 Professional Activities</td>
</tr>
<tr>
<td>3 hours</td>
<td>Pe 243 History and Principles</td>
</tr>
<tr>
<td>Any 4 hours</td>
<td>Pe 34 111, 121, 131, 201, 211, 231, 241</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HLT 499 Independent Study</td>
<td></td>
</tr>
<tr>
<td>Pe 363 Teaching Health Methods of Teaching Health</td>
<td></td>
</tr>
<tr>
<td>SOC 383 Drug Abuse Seminar</td>
<td></td>
</tr>
<tr>
<td>HLT 399 Practicum</td>
<td></td>
</tr>
</tbody>
</table>

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

Every semester/1 hour

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

Every semester/1 hour

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

Every semester/1 hour

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

Every Fall/3 hours

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

Every semester/1 hour

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

Every semester/1 hour

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

Every Fall/3 hours

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

Every Fall/2 hours

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

Every Spring/2 hours

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

Every Spring/3 hours

PE 323 PHYSICAL EDUCATION FOR ELEMENTARY GRADES  
A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child.  

Every Spring and every Summer/3 hours

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

Every Spring/3 hours

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

Every Fall/3 hours

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

Every Summer/3 hours

PE 373 RECREATION ADMINISTRATION  
A study of the philosophy, scope, and basic values of recreation, its organization, and administration.  

Every Spring/3 hours
**Rec 313 Outdoor Recreation**

Outdoor recreation program, planning and techniques for setting up and implementing a local church or community recreation site. Each Fall/Spring, 3 hours.

**Rec 302 Church Recreation**

See Pe 210 on page 106.

**Rec 218 Recreational Activities**

A course designed to give specific direction in program and activities. Each Fall/Spring, 2 hours.

**Rec 203 Introduction to Recreation**

A course designed to introduce the student to the philosophy and everyday roles of the various agencies engaged in recreation programs. Each Fall/Spring, 3 hours.

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**Requirements for a minor in recreation**

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

- **Rec 403 Internship**, 3 hours.
- **Rec 373 Recreation Administration**, 3 hours.
- **Rec 309 Church Recreation**, 3 hours.
- **Rec 218 Recreational Activities**, 3 hours.
- **Rec 203 Introduction to Recreation**, 2 hours.

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**Degree Requirements—Recreation**

- **Pe 433 Organization and Administration of Health**
- **Pe 449 Independent Study**
- **Pe 499 Special Problems**
- **Pe 423 Educational Psychology**
- **Pe 243 and 413**

---

**Secondary School Physical Education**

- **Pe 413 Practicum**
- **Pe 399 Physical Education**
- **Pe 383 Athletic Coaching, Baseball**
REC 373  Recreation Administration
See PE 373 on page 106.

REC 403  Internship
Each Spring/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.

DRIVER EDUCATION

DR 303  Driver Education
Every Spring/3 hours
HISTORY AND SOCIAL SCIENCES
DEPARTMENT DESCRIPTION

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

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

DEGREE REQUIREMENTS—BEHAVIORAL SCIENCES

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

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

Requirements for a minor in Behavioral Sciences**

- SOC 213 Principles of Sociology  
- SOC 313 Cultural Anthropology or  
  SOC 323 History of Social Thought  
- PSY 213 General Psychology  
- PHI 213 Introduction to Philosophy  
- Electives in Psychology or Sociology (upper division)  

**Not recommended for prospective teachers in secondary education.

DEGREE REQUIREMENTS—SOCIAL SCIENCE

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

- HIS 113, 123, and 233 History of Civilization I, II, and III  
- HIS 213 and 223 Early and Recent American History  
- SOC 213 Principles of Sociology and  
  SOC 223 Social Problems  

9 hours  
6 hours  
6 hours
**INTERNATIONAL RELATIONS**

Fall, 1982, and alternate years, 3 hours.

**GOV 323**

A study of the history of international politics, concentrating on world power.

**COMPARATIVE GOVERNMENT**

Spring, 1983, and alternate years, 3 hours.

**GOV 313**

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 government.

**GOV 303**

A basic course in American and Arizona Government. The course is designed to give the student a broad outline of the workings of the government and to meet the teacher certification requirement for American and Arizona.

**GEOL 233**

A course for teachers. A study of the division of the physical environment of the world. Curriculum and teaching techniques are stressed. Every Fall, 3 hours.

**PHYSICAL GEOGRAPHY**

A geographic study of climate, geography, soils, and plants and animals. Every Spring, 3 hours.

**PHYSICAL GEOGRAPHY**

Every season and every summer, 3 hours.

**DEGREE REQUIREMENTS — GOVERNMENT**

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geopolitics</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>GOV 303 Federal and Arizona Government</td>
<td>3</td>
</tr>
<tr>
<td>SOC 213 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>HHS 212 and 223 Early and Recent American History</td>
<td>6</td>
</tr>
</tbody>
</table>

Not recommended for prospective teachers in secondary education.

**DEGREE REQUIREMENTS — SOCIAL SCIENCE**

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Division Courses in Social Studies</td>
<td>9</td>
</tr>
<tr>
<td>Geography</td>
<td>3</td>
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<tr>
<td>Geopolitics</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>GOV 303 Federal and Arizona Government</td>
<td>3</td>
</tr>
</tbody>
</table>

Department of History and Social Sciences
**GOV 325** COMPARATIVE REVOLUTIONS  See HIS 323 on page 113.

**GOV 333** EARLY POLITICAL THOUGHT  Fall, 1982, 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, 1983, and alternate years/3 hours
A 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 352** FEDERAL GOVERNMENT  Every semester and every Summer/2 hours
The first half of GOV 303, a survey of American Government. This half meets the teacher certification requirement for American Government.

**GOV 362** ARIZONA GOVERNMENT  Every semester and every Summer/2 hours
The second half of GOV 303, a survey of Arizona History and Government. This half meets the teacher certification requirements for Arizona government.

**GOV 393** AMERICAN DIPLOMATIC HISTORY  Spring, 1984, 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 423** CONSTITUTIONAL HISTORY OF THE UNITED STATES  Spring, 1983, 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.

**DEGREE REQUIREMENTS—HISTORY**

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

- HIS 113, 123, and 233 History of Civilization I, II, and III  9 hours
- HIS 213 and 223 Early and Recent American History  6 hours
*Electives in History (12 hours upper division)  15 hours

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

Requirements for a minor in History

- HIS 113, 123, and 233 History of Civilization I, II, and III  9 hours
- HIS 213 and 223 Early and Recent American History  6 hours
  Upper division courses in History  6 hours
HIS 333  THE RENAISSANCE AND  REFORMATION  
Fall, 1983, 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 113.

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 the rise of the major Protestant groups, and the missionary activities of the 19th and 20th centuries.

HIS 373  LATIN AMERICAN HISTORY  
Spring, 1984, and alternate years/3 hours
A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, and the wars of independence. Latin American republics from the era of independence to the present. Prerequisite: 6 hours of history.

HIS 383  ECONOMIC HISTORY OF THE UNITED STATES  
Fall, 1982, and alternate years/3 hours
Also ECO 383. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: ECO 201 and HIS 213 and 223.

HIS 393  AMERICAN DIPLOMATIC HISTORY  See GOV 393 on page 112.

HIS 413  RUSSIA AND EASTERN EUROPE  
Fall, 1983, and alternate years/3 hours
A study of the Russian peoples and their rulers from the earliest times to the present, including the development of a Russian volksgeist, with its  
autocracy, sadness, violence, and national aspirations. Russian expansion during the Romanov period, the Near East in its relations with Russia, the Bolshevik Revolution, and Soviet Russia. Prerequisites: HIS 113 and 123.

HIS 423  CONSTITUTIONAL HISTORY OF THE UNITED STATES  
See GOV 423 on page 112.

HIS 443  TWENTIETH CENTURY EUROPE  
Spring, 1983, and alternate years/3 hours
A study of World War I and its aftermath in Europe; the peace treaties; interdependence of political and economic factors in the 20 years following, which contributed to the renewal of war; developments of World War II; and the United Nations and contemporary efforts to establish peace. Prerequisites: HIS 113 and 123.

HIS 445  PROBLEMS IN EUROPEAN HISTORY  
Spring, 1984, and alternate years/3 hours
A study of eight to ten major problems in European history. Emphasis will be on historiography and analysis. Prerequisites: HIS 113 and 123.

HIS 473  THE TEACHING OF SOCIAL STUDIES  
Summer, 1983, and alternate years/3 hours
A methods course designed primarily for persons who are planning to teach history, political science, or related social studies subjects at the secondary level. Attention is given to the obtaining of material for presentation and to the effective methods of presentation. Prerequisite: Approval of instructor.
20th-century European and social development of the colonial period to the
political, economic, and social development from the colonial period to the
American West. A study of the Western movement: the advancing frontier and
American History

DEGREE REQUIREMENTS—SOCIOLOGY

12 hours
Electives in sociology (6 hours upper division)
SOC 23 Social Problems
SOC 213 Principles of Sociology and
Supplementary electives in sociology (6 hours upper division)

Electives in sociology (18 hours upper division)
SOC 33 Social Research
SOC 33 History of Social Thought
SOC 23 Social Problems
SOC 213 Principles of Sociology and

Requirements for a minor in Sociology

Electives in sociology (6 hours upper division)
SOC 23 Social Problems
SOC 213 Principles of Sociology and

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

Independent Study See page 66.

20th Century, Preparations: HIS 213 and 223.

Spring, 1943, and alternate years/3 hours

History of History and Social Sciences

HIS 499 20th Century:

HIS 493 The West

HIS 493 The West

HIS 493 The West
SOC 333  MARRIAGE AND THE FAMILY  
A sociological analysis of the family, designed to contribute to an understanding of its origin, structure, and functions and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the adjustments necessary to successful marriage and family life. Prerequisite: SOC 213 or junior standing.

SOC 343  JUVENILE DELINQUENCY  
A study of the extent and nature of juvenile delinquency: the social and personal factors related to the development of delinquent habits and the techniques for dealing with the delinquent and for redirecting youth behavior into more desirable patterns. Prerequisite: SOC 213 or junior standing.

SOC 353  THE MODERN CITY  
Also EVS 353. An analysis of the evolution of the city, together with the specific problems encountered in the process. An examination of the role of the church in this process will be considered. Urban renewal and projected plans for the city of the future will also be of concern.

SOC 362  INTRODUCTION TO PROBABILITY AND STATISTICS  
See MAT 263 on page 147.

SOC 373  SOCIAL RESEARCH  
On demand/3 hours
Investigation of and involvement in techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results.

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

SOC 384  HUMAN ECOCOLOGY  
See EVS 384 on page 144.

SOC 399  PRACTICUM  
See page 66. Every semester/1-4 hours

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

DEGREE REQUIREMENTS—CRIMINAL JUSTICE

Requirements for a major in Criminal Justice (B.S. Degree)

Phase I — Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 200</td>
<td>Introduction to the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CJ 201</td>
<td>Issues in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 380</td>
<td>Theory of Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 440</td>
<td>Criminal Justice Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Phase II — Fifteen hours should be taken from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 461</td>
<td>Substantive Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 462</td>
<td>Procedural Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CJ 463</td>
<td>Discretion in the Criminal Justice Process</td>
<td>3</td>
</tr>
</tbody>
</table>
CRIMINAL JUSTICE

CJ 200

Issues in Criminal Justice

3 credit hours

CJ 306

Introduction to the Criminal Justice System

3 credit hours

CJ 310

Correction Function

3 credit hours

CJ 353

Discretion in the Criminal Justice System

3 credit hours

CJ 360

Police Function

3 credit hours

Nine hours from the following:

CJ 400

Ethics in Criminal Justice

3 credit hours

CJ 410

Introduction to Criminal Justice

3 credit hours

CJ 420

Sociology

3 credit hours

Requirements for a Minor in Criminal Justice

Psychology

Religion

Recreation

Business

Behavioral Science

A minor in one of the following fields is strongly recommended:

3 credit hours

3 credit hours

400 Supervised Study

3 credit hours

60 Law and Social Control

3 credit hours

310 Correction Function

3 credit hours

306 Police Function

3 credit hours

308 Adjudication Function

3 credit hours

307 Justice System

3 credit hours

306 Police Function

3 credit hours

307 Justice System

3 credit hours

308 Adjudication Function

3 credit hours

310 Correction Function

3 credit hours

60 Law and Social Control

3 credit hours

400 Supervised Study

3 credit hours

400 Criminal Justice Management

3 credit hours

400 Criminal Justice Management

3 credit hours

499 Independent Study

3 credit hours

400 Internship in Criminal Justice

3 credit hours

400 Internship in Criminal Justice

3 credit hours

400 Criminal Justice Management

3 credit hours

400 Criminal Justice Management

3 credit hours

Department of History and Social Sciences
CJ 306  THE POLICE FUNCTION  On demand/3 hours
Alternative objectives, strategies, programs, institutional arrangements, roles, perspectives, and interagency relationships of the police. Prerequisites: CJ 200, CJ 201 or approval of instructor.

CJ 308  THE ADJUDICATION FUNCTION  Spring, 1984, and alternate years/3 hours
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 380  THEORY OF CRIMINAL JUSTICE  On demand/3 hours
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 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. Prerequisite: 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.

CJ 461  SUBSTANTIVE CRIMINAL LAW  On demand/3 hours
Criminal liability. Crimes against persons, property, and society. Governmental sanctions of individual conduct as formulated by legislatures and the courts. Prerequisites: CJ 360 or approval of instructor.

CJ 462  PROCEDURAL CRIMINAL LAW  Spring, 1984, and alternate years/3 hours
The criminal process. Constitutional and legal problems associated with criminal procedures. Due process of law. Prerequisite: CJ 360 or approval of instructor.

CJ 463  DISCRETION IN THE CRIMINAL JUSTICE PROCESS  Spring, 1984, and alternate years/3 hours
Use of discretionary authority throughout all phases of the criminal justice system. Cross-purpose effect of discretionary justice. Constitutional limitations on and judicial review of discretionary authority. Prerequisite: CJ 360 or approval of instructor.
Course or approval of instructor.

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

INDEPENDENT STUDY

CJ 499

On instructor approval.

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

PRO-SEMINAR

CJ 498

Instructor

CJ 201, and one upper division criminal justice course or approval of
Topics chosen from various fields of criminal justice. Prerequisites: CJ 201,
On demand/3 hours

SPECIAL TOPICS IN CRIMINAL JUSTICE

CJ 497

Approval of instructor.

Evaluation of teaching methodologies and instructional aids. Prerequisites:
Problems of curriculum development and evaluation, examination and
Development and philosophy of criminal justice education and training.
On demand/3 hours

CRIMINAL JUSTICE EDUCATION

CJ 489
Spanish
German
French
Degree Requirements: Modern Languages
Journalism
English Teaching
Single Author
Genre Courses
Language Grammar
English Writing
American Literature
English Literature
Degree Requirements: English
Art Education
Design Studio
Studio Art
Art History
Degree Requirements—Art
Department Description

HUMANITIES
DEPARTMENT DESCRIPTION

Courses in the humanities aid students in the career of living by acquainting them with the highest expression of man’s feelings and thoughts. Active contact with mankind’s ideas and accomplishments provides the enrichment of mind necessary to living a full and satisfactory life. This contact also supplies knowledge vitally needed for survival in a complex and rapidly changing world. For this reason, the department emphasizes direct experience with literature, language, art 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</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AH 333</td>
<td>343, 353, 363</td>
<td>Art History</td>
</tr>
<tr>
<td>AH 373</td>
<td>Aesthetics</td>
<td>3 hours</td>
</tr>
<tr>
<td>AR 203</td>
<td>Drawing I</td>
<td>3 hours</td>
</tr>
<tr>
<td>DGN 243</td>
<td>253</td>
<td>Two- and Three-Dimensional Design</td>
</tr>
<tr>
<td>AR 243</td>
<td>Photography I</td>
<td>3 hours</td>
</tr>
<tr>
<td>AR 213, 223, 253, 263, 273, 283</td>
<td>6 hours</td>
<td></td>
</tr>
<tr>
<td>AR 303, 313, 323, 343, 353, 363, 373, 383</td>
<td>3 hours</td>
<td></td>
</tr>
<tr>
<td>AR 393</td>
<td>Art Seminar</td>
<td>2 hours</td>
</tr>
<tr>
<td>AR 481</td>
<td>Studio Problems</td>
<td>9 hours</td>
</tr>
<tr>
<td>DGN 481</td>
<td>Design Problems</td>
<td>9 hours</td>
</tr>
<tr>
<td>AR 431</td>
<td>Portfolio</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

Total: 60 hours

Entrance into the Studio Art major will require taking courses: Drawing I, 2-D and 3-D Design and 3 hours in selected concentration area. The student must have a “B” average in the prerequisite courses listed. A faculty review (full time art faculty) will determine whether the student is suited to this type of educational alternative.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 333</td>
<td>343</td>
<td>Art History I, II</td>
</tr>
<tr>
<td>AH 353</td>
<td>American Art, or AH 363</td>
<td>Contemporary Art</td>
</tr>
<tr>
<td>AH 373</td>
<td>Aesthetics</td>
<td>3 hours</td>
</tr>
<tr>
<td>AR 203</td>
<td>Drawing I</td>
<td>3 hours</td>
</tr>
<tr>
<td>DGN 243</td>
<td>253</td>
<td>Two- and Three-Dimensional Design</td>
</tr>
<tr>
<td>AR 213, 223, 253, 263, 273, 283</td>
<td>6 hours</td>
<td></td>
</tr>
<tr>
<td>AR 303, 313, 323, 353, 363, 373, 383</td>
<td>3 hours</td>
<td></td>
</tr>
<tr>
<td>AR 431</td>
<td>Portfolio Competence</td>
<td>4 hours</td>
</tr>
<tr>
<td>AR 481</td>
<td>Studio Problems and Techniques</td>
<td>4 hours</td>
</tr>
<tr>
<td>DGN 481</td>
<td>Design Problems and Techniques</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

Total: 42 hours
### ART HISTORY

<table>
<thead>
<tr>
<th>24 hours</th>
<th>18 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper division elective</td>
<td>Upper division elective</td>
</tr>
<tr>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
</tr>
<tr>
<td>AH 423 Art in the High School</td>
<td>AH 423 Art in the High School</td>
</tr>
<tr>
<td>AE 323 History of the Elementary Teacher or AE 323 History of the Elementary Teacher</td>
<td>AE 323 History of the Elementary Teacher or AE 323 History of the Elementary Teacher</td>
</tr>
<tr>
<td>DGN 243 Two-Dimensional Design</td>
<td>DGN 243 Two-Dimensional Design</td>
</tr>
<tr>
<td>AR 203 Drawing</td>
<td>AR 203 Drawing</td>
</tr>
<tr>
<td>AR 183 Media and Methods of Art</td>
<td>AR 183 Media and Methods of Art</td>
</tr>
</tbody>
</table>

#### Requirements for a General Minor in Art

<table>
<thead>
<tr>
<th>18 hours</th>
<th>12 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper division elective</td>
<td>Upper division elective</td>
</tr>
<tr>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
</tr>
<tr>
<td>AR 203 Drawing</td>
<td>AR 203 Drawing</td>
</tr>
<tr>
<td>AR 183 Media and Methods of Art</td>
<td>AR 183 Media and Methods of Art</td>
</tr>
</tbody>
</table>

#### Requirements for a major in Studio Art

<table>
<thead>
<tr>
<th>42 hours</th>
<th>36 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper division Art elective</td>
<td>Upper division Art elective</td>
</tr>
<tr>
<td>AE 443 Art Criticism and Supervision</td>
<td>AE 443 Art Criticism and Supervision</td>
</tr>
<tr>
<td>DGN 243 Two-Dimensional Design</td>
<td>DGN 243 Two-Dimensional Design</td>
</tr>
<tr>
<td>AR 203 Drawing</td>
<td>AR 203 Drawing</td>
</tr>
<tr>
<td>AR 183 Media and Methods of Art</td>
<td>AR 183 Media and Methods of Art</td>
</tr>
<tr>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
</tr>
</tbody>
</table>

#### Requirements for a minor in Studio Art

<table>
<thead>
<tr>
<th>12 hours</th>
<th>24 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper division Art elective</td>
<td>Upper division Art elective</td>
</tr>
<tr>
<td>AE 443 Art Criticism and Supervision</td>
<td>AE 443 Art Criticism and Supervision</td>
</tr>
<tr>
<td>DGN 243 Two-Dimensional Design</td>
<td>DGN 243 Two-Dimensional Design</td>
</tr>
<tr>
<td>AR 203 Drawing</td>
<td>AR 203 Drawing</td>
</tr>
<tr>
<td>AR 183 Media and Methods of Art</td>
<td>AR 183 Media and Methods of Art</td>
</tr>
<tr>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
<td>AH 333, 343, 353, 363, 373, 383, 393</td>
</tr>
</tbody>
</table>

### B.A. DEGREE

- A minor is not required for students receiving secondary certification.
- A minor of Humanities 123 is required.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits/Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 333</td>
<td>ART HISTORY I</td>
<td>Fall, 1982, and alternate years/3 hours</td>
<td></td>
<td>A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art to the Renaissance.</td>
</tr>
<tr>
<td>AH 343</td>
<td>ART HISTORY II</td>
<td>Spring, 1983, and alternate years/3 hours</td>
<td></td>
<td>A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-classic, Romantic, and Modern epochs.</td>
</tr>
<tr>
<td>AH 353</td>
<td>AMERICAN ART</td>
<td>Fall, 1983, and alternate years/3 hours</td>
<td></td>
<td>History of art in the United States from European settlement of the New World to today.</td>
</tr>
<tr>
<td>AH 363</td>
<td>CONTEMPORARY ART</td>
<td>Spring, 1984, and alternate years/3 hours</td>
<td></td>
<td>Recent and current trends in art with special consideration of new concepts and experimentation with media and modes of presentation.</td>
</tr>
<tr>
<td>AH 373</td>
<td>AESTHETICS I</td>
<td>Fall, 1982, and alternate years/3 hours</td>
<td></td>
<td>An introduction to aesthetics from historical, philosophical, and theoretical frames of reference. Provides an overview of major ideas relating to art and criticism from the time of Plato through prespace-age twentieth century.</td>
</tr>
</tbody>
</table>

**ART STUDIO**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Credits/Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 183</td>
<td>MEDIA AND METHODS OF ART</td>
<td>Every Fall/3 hours</td>
<td></td>
<td>This course functions as a survey of various processes and materials of art for the student with limited experience. Consideration is given to the use of simple and inexpensive equipment which could be used in establishing a home art studio.</td>
</tr>
<tr>
<td>AR 203</td>
<td>DRAWING I</td>
<td>Every Fall/3 hours</td>
<td></td>
<td>Development of skills in basic techniques of drawing and their application to current systems of pictorial organization.</td>
</tr>
<tr>
<td>AR 213</td>
<td>CRAFTS I</td>
<td>Fall, 1982, and alternate years/3 hours</td>
<td></td>
<td>An exploratory approach to traditional and contemporary crafts, such as batik, off-loom weaving, ceramics, and metal casting.</td>
</tr>
<tr>
<td>AR 223</td>
<td>PRINTMAKING I</td>
<td>Every Spring on demand/3 hours</td>
<td></td>
<td>An introduction to the basic process of printmaking. Includes serigraphy, relief, and intaglio techniques.</td>
</tr>
<tr>
<td>AR 243</td>
<td>PHOTOGRAPHY I</td>
<td>Every semester/3 hours</td>
<td></td>
<td>An introduction to black and white photography exploring basic techniques in camera operation, film and print processing, composition and presentation. Lecture and darkroom laboratory periods.</td>
</tr>
<tr>
<td>AR 253</td>
<td>JEWELRY I</td>
<td>Every Fall/3 hours</td>
<td></td>
<td>An introduction to the tools and materials of jewelry making, with an emphasis on the procedures of fabrication, casting and stonesetting. Both traditional and contemporary designs and materials will be explored.</td>
</tr>
<tr>
<td>AR 263</td>
<td>CERAMICS I</td>
<td>Every semester/3 hours</td>
<td></td>
<td>An introduction to the nature of clay and glazes, with an emphasis being placed on the forming techniques of handbuilding and the use of the potter's wheel.</td>
</tr>
</tbody>
</table>
Pre-requisite: Approval of instructor only.

STUDIO PROBLEMS

Pre-requisite: Art 281 and Art 283 or approval of instructor.

PORTFOLIO COMPETENCE

Pre-requisite: Art 281 DGM, and Art 283 or approval of instructor.

On demand/3 hours

LIFE DRAWING

Graduate school, resume, and portfolio requirements.

ART SEMINAR

A discussion oriented class introducing the concepts of the.

Painting II


SCULPTURE II

Emphasis is also placed on glaze application and surface.

CERAMICS II

A continuation of the technique of jewelry making with advanced

JEWELRY II

Pre-requisite: Art 282.

PRINTMAKING II

Continued in-depth exploration of one or more crafts such as

CRAFTS II

Inclusion of introduction to word drawing materials and drawing.

DRAWING II

Using equipment, including composition, color, and technical skills of drawing and

Sculpture I

Pre-requisite: Emphasizing volume, movement, and space.

Sculpture II
DESIGN STUDIO

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

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

DGN 481 DESIGN PROBLEMS AND TECHNIQUES  
Advanced design problems in the medium of the student’s choice. By arrangement/1, 2, 3, 4 hours

ART EDUCATION

AE 303 ART IN THE ELEMENTARY SCHOOL  
Emphasis on self-understanding through the use of art, concurrent with the study of the art work of children of all ages from early childhood to mid-adolescence.

AE 323 CRAFTS FOR THE ELEMENTARY TEACHER  
Practical laboratory experiences stressing inexpensive and salvage materials that children can use. Combinations of materials and specific knowledge of papier-mache, collage, block printing, clay modeling, plaster carving, etc.

AE 353 ART FOR THE SPECIAL CHILD  
Emphasis on situations and materials designed to give special education students motor and visual perception experiences which are appropriate for the student’s special learning problems.

AE 423 ART IN THE HIGH SCHOOL  
Fall, 1983, 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.

AE 443 ART CURRICULUM AND SUPERVISION  
Fall, 1982, and alternate years/3 hours
Exploration of theory, materials, organization, methods, and curriculum for the art educator or consultant. The art educator’s responsibility in human relations and communications.

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
English major with emphasis on Writing

The English major requires 36 credit hours of English courses.

I. Core Courses:
- EAL 313 American Literature
- EAL 314 American Literature
- EAL 315 American Literature
- EAL 316 American Literature
- EAL 317 American Literature
- EAL 318 American Literature

II. Genre Courses:
- EAL 414 The Novel
- EAL 415 The Short Story

III. Period Courses:
- EEL 461 Poetry of the Victorian Period
- EEL 462 Poetry of the Victorian Period
- EEL 463 Poetry of the Victorian Period
- EEL 464 Poetry of the Victorian Period
- EEL 465 Poetry of the Victorian Period

IV. Writing and Language:
- EEL 451 Advanced Grammar
- EEL 452 Advanced Grammar
- EEL 453 Advanced Grammar
- EEL 454 Advanced Grammar
- EEL 455 Advanced Grammar

V. Shakespeare:
- EEL 456 Shakespeare
- EEL 457 Shakespeare
- EEL 458 Shakespeare

VI. Single Author:
- EEL 459 Single Author
- EEL 460 Single Author
- EEL 461 Single Author

VII. Creative Writing (may be repeated for a maximum of 6 hours):
- EEL 462 Creative Writing
- EEL 463 Creative Writing
- EEL 464 Creative Writing
- EEL 465 Creative Writing
- EEL 466 Creative Writing

VIII. Technical Writing:
- EEL 467 Technical Writing
- EEL 468 Technical Writing
- EEL 469 Technical Writing
- EEL 470 Technical Writing
- EEL 471 Technical Writing

IX. EW 323 Writing for Publication
- EW 324 Writing for Publication
- EW 325 Writing for Publication
- EW 326 Writing for Publication
- EW 327 Writing for Publication

X. Special Topics:
- EEL 462 Special Topics
- EEL 463 Special Topics
- EEL 464 Special Topics
- EEL 465 Special Topics
- EEL 466 Special Topics

XI. EW 483 Seminar in Writing
- EW 484 Seminar in Writing
- EW 485 Seminar in Writing
- EW 486 Seminar in Writing
- EW 487 Seminar in Writing

XII. EW 488 Seminar in Writing
- EW 489 Seminar in Writing
- EW 490 Seminar in Writing
- EW 491 Seminar in Writing
- EW 492 Seminar in Writing

XIII. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XIV. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

XV. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XVI. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

XVII. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XVIII. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

XIX. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XX. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

XXI. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XXII. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

XXIII. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XXIV. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
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XXV. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
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XXVI. EW 498 Seminar in Writing
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- EW 502 Seminar in Writing

XXVII. EW 493 Seminar in Writing
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- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XXVIII. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
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- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

XXIX. EW 493 Seminar in Writing
- EW 494 Seminar in Writing
- EW 495 Seminar in Writing
- EW 496 Seminar in Writing
- EW 497 Seminar in Writing

XXX. EW 498 Seminar in Writing
- EW 499 Seminar in Writing
- EW 500 Seminar in Writing
- EW 501 Seminar in Writing
- EW 502 Seminar in Writing

English major with emphasis on Literature

The English major requires 36 credit hours of English courses.

I. Core Courses:
- EAL 313 American Literature
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- EAL 316 American Literature
- EAL 317 American Literature
- EAL 318 American Literature

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- EEL 461 Poetry of the Victorian Period
- EEL 462 Poetry of the Victorian Period
- EEL 463 Poetry of the Victorian Period
- EEL 464 Poetry of the Victorian Period
- EEL 465 Poetry of the Victorian Period

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- EEL 452 Advanced Grammar
- EEL 453 Advanced Grammar
- EEL 454 Advanced Grammar
- EEL 455 Advanced Grammar

V. Shakespeare:
- EEL 456 Shakespeare
- EEL 457 Shakespeare
- EEL 458 Shakespeare

VI. Single Author:
- EEL 459 Single Author
- EEL 460 Single Author
- EEL 461 Single Author

VII. Creative Writing (may be repeated for a maximum of 6 hours):
- EEL 462 Creative Writing
- EEL 463 Creative Writing
- EEL 464 Creative Writing
- EEL 465 Creative Writing
- EEL 466 Creative Writing

VIII. Technical Writing:
- EEL 467 Technical Writing
- EEL 468 Technical Writing
- EEL 469 Technical Writing
- EEL 470 Technical Writing
- EEL 471 Technical Writing

V. The English major requires 36 credit hours of English courses.

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

Students who major in English should have a strong background in both English and American language and literature.

English and American Language and Literature majors are equipped to write effectively and imaginatively. These students should be knowledgeable of the authors whose works illustrate the development of literature.

Students who major in English should have a strong background in both English and American language and literature.

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Students who major in English should have a strong background in both English and American language and literature.

English and American Language and Literature majors are equipped to write effectively and imaginatively. These students should be knowledgeable of the authors whose works illustrate the development of literature.
Recommended electives for this major include:

January Term Photography
DRA 198 Acting I
CS 113 Introduction to Computer Science
AR 203 Drawing I
DGN 243 1 Dimensional Design

English major with emphasis on Teaching

The English teaching major shall consist of the following courses:

\[
\begin{align*}
EEL & 213, 223 English Literature & 6 \text{ hours} \\
EAL & 313, 323 American Literature & 6 \text{ hours} \\
EMA & 423 Shakespeare & 3 \text{ hours} \\
ELG & 363 Advanced Grammar & 3 \text{ hours} \\
EEW & 343 Advanced Composition, EEW 483 Seminar in Writing, EEW 323 Writing for Publication, EEW 453 Creative Writing & 3 \text{ hours} \\
EEL & 373 English Literature of 18th Century, EEL 383 Romantic Period of English Literature, EEL 463 Poetry of Victorian Period, ETL 333 The Short Story, ETL 413 The Novel, EMA 443 Major Author Seminar & 9 \text{ hours} \\
\end{align*}
\]

Requirements for a teaching minor in English

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

\[
\begin{align*}
EEW & 113 Grammar \& Composition, EEW 123 Composition and Literature & 6 \text{ hours} \\
EEL & 213, 223 English Literature I, II & 6 \text{ hours} \\
EAL & 313, 323 American Literature I, II & 6 \text{ hours} \\
\text{Upper division electives in English} & & 6 \text{ hours} \\
\end{align*}
\]

\[24 \text{ hours}\]

Requirements for a minor in English

\[
\begin{align*}
EEW & 113 Grammar \& Composition, EEW 123 Composition and Literature & 6 \text{ hours} \\
EEL & 213, 223 English Literature I, II & 6 \text{ hours} \\
\text{Upper division electives in English} & & 6 \text{ hours} \\
\end{align*}
\]

\[18 \text{ hours}\]

Requirements for a minor in Communications

Group I: English Writing

EEW 313 Business and Technical Writing
EEW 343 Advanced Composition
EEW 453 Creative Writing
EEW 483 Seminar in Writing

Group II: Speech (From Performing Arts Dept.)

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

\[6-12 \text{ hours}\]

\[18 \text{ hours}\]
COMMUNICATIONS AND TECHNICAL REPORTS
A course designed to present the best practices in writing business
writing.

Fall '93; and alternate years/3 hours

EW 313 BUSINESS AND TECHNICAL
readings and a research paper. Prerequisite: EW 113.
The course involves a variety of exposition techniques (based on
the situation)

Every semester and every summer/3 hours

EW 123 COMPOSITION AND
structure and coherence.

Every semester and every summer/3 hours

EW 113 GRAMMAR AND


ENGLISH WRITING

Middle of the 19th century.
A continuation of ENL 113.

Spring '94, and alternate years/3 hours

ENL 113 AMERICAN LITERATURE

of the 19th century.
A study of the background and national development of American
literature.

Fall '93, and alternate years/3 hours

ENL 113 AMERICAN LITERATURE

A continuation of ENL 113.


ENGLISH LITERATURE

well as the individuality and merit of each author. The course
attempts to interpret the temper and spirit of the age as

Spring '94, and alternate years/3 hours

ENL 383 POETRY OF THE VICTORIAN
PERIOD

1798 and 1832
A study of much of the poetry and prose produced in England
between

Fall '93, and alternate years/3 hours

ENL 383 THE ROMANTIC PERIOD IN ENGLISH

Literature

18th century. The most important prose and poetry of the period are

Fall '92, and alternate years/3 hours

ENL 373 ENGLISH LITERATURE OF THE EIGHTEENTH
century

Modern era.
A continuation of ENL 213. Covers the period from the Romantic
Period to

Every Spring/3 hours

ENL 223 ENGLISH LITERATURE

classic period with consideration given to its social and philosophical
content.

A study of English literature from the Old English period through

Every Fall/3 hours

ENL 213 ENGLISH LITERATURE

Department of Humanities
129
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 323</td>
<td>WRITING FOR PUBLICATION</td>
<td>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.</td>
</tr>
<tr>
<td>EEW 343</td>
<td>ADVANCED COMPOSITION</td>
<td>A course for students interested in writing who wish to develop their skills in critical and non-fiction writing.</td>
</tr>
</tbody>
</table>
Personal may be secured from faculty.

Foreign languages may be assigned. Additional information is provided to each foreign language to which they are assigned.

Fourteen hours of one language are recommended for the Bachelor of Arts degree program.

Students should begin their college language studies with the level at which they have completed high school work. In evaluating high school work in a foreign language, the individual instructor will determine the level at which the student should begin.

The completion of the second semester's work upon the completion of the second year of college language study qualifies only for the College Grade Credit for the Language.

First semester language only

Consistently, language courses should be taken

Second semester language study and one's ability to use their language and one's appreciation of other cultures will be developed. High degree of communication between the person who is a native speaker of a language and the non-native speaker of a language is needed. The materials and methods of communication will enable them to begin the study of modern languages.

The study of modern languages

DEGREE REQUIREMENTS—MODERN LANGUAGE

A continuation of JRN 213

JRN 313 SMALL NEWSPAPER

newspaper. Laboratory experience provided by the college paper.

A course that presents the principles of journalism as they apply to the small

On demand/3 hours

JRN 213 SMALL NEWSPAPER

On demand/3 hours

ON THE TEACHING OF ENGLISH

On demand, by reading and conference/3 hours

ENGLISH TEACHING

Department of Humanities 131

JRN 473 THE TEACHING OF ENGLISH

Enrollment is limited for this course.
Minors in French and German

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

**FRENCH**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 114</td>
<td>ELEMENTARY FRENCH</td>
<td>Fall, on demand/4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR 124</td>
<td>ELEMENTARY FRENCH</td>
<td>Spring, on demand/4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of FR 114. Prerequisite: FR 114 or equivalent.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FR 213</td>
<td>INTERMEDIATE FRENCH</td>
<td>Fall, on demand/3 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Review, composition, conversation, and extensive reading. Prerequisite: FR 124.*</td>
<td></td>
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</tr>
<tr>
<td>FR 223</td>
<td>INTERMEDIATE FRENCH</td>
<td>Spring, on demand/3 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of FR 213.*</td>
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</tbody>
</table>

**GERMAN**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 114</td>
<td>ELEMENTARY GERMAN</td>
<td>Fall, on demand/4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A program of individualized study using a text-workbook, practice tapes, films, computer practice, and classroom experience to develop the fundamentals of hearing, speaking, reading, and writing.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GER 124</td>
<td>ELEMENTARY GERMAN</td>
<td>Spring, on demand/4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of GER 114. Prerequisite: GER 114 or equivalent.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GER 213</td>
<td>INTERMEDIATE GERMAN</td>
<td>Fall, on demand/3 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. Prerequisite: GER 124.*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GER 223</td>
<td>INTERMEDIATE GERMAN</td>
<td>Spring, on demand/3 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of GER 213.*</td>
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</table>

**SPANISH**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 114</td>
<td>ELEMENTARY SPANISH</td>
<td>Every Fall/4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with cultural and historical readings and lessons.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 124</td>
<td>ELEMENTARY SPANISH</td>
<td>Every Spring/4 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A continuation of SPA 114. Prerequisite: SPA 114 or equivalent.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 213</td>
<td>INTERMEDIATE SPANISH</td>
<td>Every Fall/3 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Grammar review, conversation, composition, and the reading of suitable texts. Prerequisite: SPA 124.*</td>
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</tr>
</tbody>
</table>
Requirements or must be a d. o. to students eligible

SPA 144 Advanced SPA Exam (2)

SPA 434 Advanced Comp. Lit. (4)

SPA 335 Intro. to SPA Lit. (2)

SPA 213, 223 (6)

 Mandarin, 30 hrs. 24 hrs upper div.
<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENVIRONMENTAL SCIENCE MAJOR</strong></td>
<td></td>
</tr>
</tbody>
</table>
| Freshman | BIB 113  
EEW 113  
PE Activity 1  
BIO 101*  |
| Sophomore | History Elective 3  
PE Activity 1  
EVS 264  
EVS 234  
CHE 114*  |
| Junior | Art or Music 2  
EVS 364  
CHE 314*  
Math Elective 3*  |
| Senior | EVS 464  |
| **MATHEMATICS MAJOR** | |
| Freshman | BIB 113  
EEW 113  
PE Activity 1  
MAT 153  |
| Sophomore | History Elective 3  
PE Activity 1  
MAT 223  
MAT 213*  
Computer Sci. 3  
PHY 114  |
| Junior | Art or Music 2  
MAT 333 or 433  
MAT 373*  |
| Senior | MAT 333 or 433  |
| **COMPUTER SCIENCE MAJOR** | |
| Freshman | BIB 113  
EEW 113  
CS 113  
CS 203  
PE Elective  |
| Sophomore | History Elective  
PE Elective  
CS 301  |
| Junior | Art or Music  
CS 310 or 332  
CS 403 or 430  |
| **** | **** |
**Math-Science**

**SCI 100**

Northern Arizona University

A study of the historical and philosophical foundations of mathematics and science. Emphasis on concepts of science and their application to modern science. Registration and attendance are required for departmental seminars.

**SCI 114**

Every Fall and Spring/No credit

Every semester and every summer/4 hours

**LIBERAL ARTS**

**SCI 114**

**Science for Liberal Arts**

A study in some depth at least one area of science in order to apply to everyday life and to career opportunities. The basic concepts of science are emphasized. Any other courses may be selected with the consultation with the student's advisor. (GE 03, 33)

**GENERAL STUDIES**

**PSY 213; SOC 213**

6 hours

8 hours

8 hours

8 hours

4 hours

Department recommended electives

- MAT 153, 163 Calculus
- PSY 114, 115 General Psychology
- CHE 324, 325 Organic Chemistry
- CHE 114, 125 General Chemistry
- BIO 210 Zoology

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

Veterinary medicine, or pharmacy

Students who plan to apply for

Admission to medical, dental, or veterinary schools may major in any field but

Spring Semester

CS Elective

Math Elective

Fall Semester

CS 480

CS 420 or 430

Senior

CS 310 or 332

Department of Natural Sciences and Mathematics
DEGREE REQUIREMENTS—BIOLOGY

Requirements for a major in Biology

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101 Principles of Biology</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 114 Botany</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 214 Zoology</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 324 Genetics</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 344 Microbiology</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 401 Senior Seminar</td>
<td>1 hour</td>
</tr>
<tr>
<td>Electives in Biology</td>
<td>12 hours</td>
</tr>
<tr>
<td>CHE 101, 102 or 114, 115 Chemistry</td>
<td>8 hours</td>
</tr>
<tr>
<td>Elective in Physics</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

Requirements for a minor in Biology*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101 Principles of Biology</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 114 Botany</td>
<td>4 hours</td>
</tr>
<tr>
<td>BIO 214 Zoology</td>
<td>4 hours</td>
</tr>
<tr>
<td>Upper Division Electives in Biology</td>
<td>8 hours</td>
</tr>
</tbody>
</table>

*Students desiring certification in these areas must take at least 24 hours in the area.

BIOLOGY

The biology course offerings provide opportunity to study one or more areas of life science in depth as electives or as partial fulfillment of the general studies requirements. The student who completes a biology major will be prepared for a career in general biology, for graduate study in biology, or for teaching at the secondary school level. With additional work in chemistry and mathematics, the biology major is prepared for professional schools of medicine or health sciences, for careers as medical assistants, laboratory technicians, or other health science vocations.

BIO 101  PRINCIPLES OF BIOLOGY  
Every Fall/4 hours
The basic concepts of Life systems will be presented in a lecture, demonstration, laboratory format. Morphology, Physiology, Ecology, Systematics, Taxonomy and Reproduction. 3 hrs lecture, 3 hrs lab.

BIO 114  GENERAL BOTANY  
Every Spring/4 hours
An introduction to the basic principles of living matter through a study of the function of plants. Laboratory work includes use of the microscope, experiments in plant phenomena, and the study of selected plant life cycles. 3 hrs lecture, 3 hrs. lab. Prerequisite: BIO 101 or permission of instructor.

BIO 214  GENERAL ZOOLOGY  
Every Fall/4 hours
A systematic survey of the animal kingdom from protozoa through chordata. Principles of evolution and ecology (natural history) are emphasized. Laboratory emphasis on microscopic work and on dissection techniques. 3 hrs lecture, 3 hrs. lab. Prerequisite: BIO 101 or permission of instructor.
See page 66. May be repeated for credit.

**INDEPENDENT STUDY**

- **BIO 479**
  - Independent Study, Junior or Senior Standing and permission of the instructor. Topic may vary from one semester to the next. Lab Fee, $40.00.
  - Spring 1 hour.

**ADVANCED TOPICS IN BIOLOGY**

- **BIO 474**
  - Comparative Anatomy
  - Spring 1 hour.

**SENIOR SEMINAR**

- **BIO 481**
  - Practicum, See page 14.
- **BIO 482**
  - Human Ecology
  - Spring 1 hour.
- **BIO 483**
  - Aquatic Ecology
  - Spring 1 hour.
- **BIO 354**
  - Biochemistry
  - Spring 1 hour.

**MICROBIOLOGY**

- **BIO 344**
  - An introduction to the principles and application of microbiology.
  - Spring 1 hour.

**GENETICS LABORATORY**

- **BIO 325**
  - Current experiments in genetics.
  - Spring 1 hour.
- **BIO 326**
  - Lab, Genetics and Conservation, Spring 1 hour.

**ECOLOGY AND CONSERVATION**

- **BIO 525**
  - Lab, Principles of conservation, Spring 1 hour.

**HUMAN ANATOMY AND PHYSIOLOGY I**

- **BIO 521**
  - A study of the structure and function of the following human systems: Digestive, respiratory, integumentary, and skeletal systems.
  - Spring 1 hour.

**HUMAN ANATOMY AND PHYSIOLOGY II**

- **BIO 522**
  - A study of the structure and function of the following human systems: Nervous, endocrine, reproductive, and immune systems.
  - Spring 1 hour.

Department of Natural Sciences and Mathematics
DEGREE REQUIREMENTS—CHEMISTRY

Requirements for a major in Chemistry (B.S. degree)

- CHE 114, 115 General Chemistry I, II 8 hours
- CHE 324, 325 Organic Chemistry I, II 8 hours
- CHE 314 Analytical Chemistry 5 hours
- CHE 351 Biochemistry 4 hours
- CHE 401 Senior Seminar 1 hour
- CHE 424, 425 Physical Chemistry 8 hours
- MAT 153, 163 Calculus I, II 6 hours
- PHY 114, 115 Physics I, II 8 hours

Requirements for a minor in Chemistry*

- CHE 114, 115 General Chemistry I, II 8 hours
- CHE 324, 325 Organic Chemistry I, II 8 hours
- Elective in Chemistry 4 hours

*Students desiring certification in these areas must take at least 24 hours in the area.

CHEMISTRY

CHE 101 INTRODUCTION TO CHEMISTRY
Every Fall/4 hours
An introduction to the principles of chemistry designed for students without a strong background in chemistry. Topics covered include a survey of the chemical and physical properties of elements and compounds, chemical reactions, chemical energetics, acids and bases, and chemical bonding. 3 hrs lecture, 3 hrs lab.

CHE 102 INTRODUCTION TO ORGANIC AND BIOCHEMISTRY
Every Spring/4 hours
Continuation of CHE 101. Survey of the properties and reactions of organic compounds, with emphasis on the chemical nature of biological processes. Topics covered include identification and reactions of organic compounds, protein structure and function, carbohydrates and lipids, and nucleic acids, and the biological production and use of energy. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 101.

CHE 114 GENERAL CHEMISTRY I
Every Fall/4 hours
An exploration of the principles of modern chemistry. Topics covered include the chemical and physical properties of elements and compounds, reaction stoichiometry, equilibria, and energetics, atomic and molecular structure. 3 hrs lecture, 3 hrs lab. Prerequisite: high school algebra.

CHE 115 GENERAL CHEMISTRY II
Every Spring/4 hours
Continuation of CHE 114. Topics include thermodynamics, descriptive chemistry of the elements, electrochemistry, nuclear chemistry, and kinetics. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 114.

CHE 314 ANALYTICAL CHEMISTRY
Every Fall/5 hours
Principles of quantitative and instrumental analysis. Topics include titrimetric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. 3 hrs lecture, 6 hrs lab. Prerequisite: CHE 115.
**Degree Requirements - Environmental Science**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVS 264</td>
<td>Environmental Science</td>
</tr>
<tr>
<td>EVS 265</td>
<td>Human Ecology</td>
</tr>
<tr>
<td>EVS 384</td>
<td>Animal Ecology</td>
</tr>
<tr>
<td>EVS 374</td>
<td>Plant Ecology</td>
</tr>
<tr>
<td>EVS 364</td>
<td>Atmospheric Science</td>
</tr>
<tr>
<td>EVS 384</td>
<td>Human Ecology</td>
</tr>
<tr>
<td>EVS 264</td>
<td>Environmental Science</td>
</tr>
</tbody>
</table>

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

<table>
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<tbody>
<tr>
<td>EVS 264</td>
<td>Environmental Science</td>
</tr>
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<td>EVS 265</td>
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<td>Animal Ecology</td>
</tr>
<tr>
<td>EVS 374</td>
<td>Plant Ecology</td>
</tr>
<tr>
<td>EVS 364</td>
<td>Atmospheric Science</td>
</tr>
</tbody>
</table>

**Independent Study**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 499</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Chemical Reactivity**

- **CHE 424**
  - The development of modern atomic theory is continued with emphasis on quantum theory, electron structure, and molecular spectroscopy. Emphasis will also be placed on chemical equilibria, chemical kinetics, and chemical thermodynamics.

**Physical Chemistry I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHE 424</td>
<td>Physical Chemistry I</td>
</tr>
</tbody>
</table>

**Physical Chemistry II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 425</td>
<td>Physical Chemistry II</td>
</tr>
</tbody>
</table>

**General Biology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>BIO 131</td>
<td>General Biology</td>
</tr>
</tbody>
</table>

**Biochemistry**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 351</td>
<td>Biochemistry</td>
</tr>
</tbody>
</table>

**Organic Chemistry I**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 324</td>
<td>Organic Chemistry I</td>
</tr>
</tbody>
</table>

**Organic Chemistry II**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CHE 325</td>
<td>Organic Chemistry II</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVS 384</td>
<td>Human Ecology</td>
</tr>
<tr>
<td>EVS 264</td>
<td>Environmental Science</td>
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**Electives in Environmental Science**

<table>
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<tbody>
<tr>
<td>EVS 264</td>
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<td>Plant Ecology</td>
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<tr>
<td>EVS 364</td>
<td>Atmospheric Science</td>
</tr>
</tbody>
</table>

**Chemical Reactivity**

- **CHE 499**
  - Independent Study

**Chemical Reactivity**

- **CHE 424**
  - The development of modern atomic theory is continued with emphasis on quantum theory, electron structure, and molecular spectroscopy. Emphasis will also be placed on chemical equilibria, chemical kinetics, and chemical thermodynamics.

**Physical Chemistry I**

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**Physical Chemistry II**

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<tbody>
<tr>
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<td>Physical Chemistry II</td>
</tr>
</tbody>
</table>

**General Biology**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 131</td>
<td>General Biology</td>
</tr>
</tbody>
</table>

**Biochemistry**

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<th>Course Code</th>
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<td>CHE 351</td>
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**Organic Chemistry I**

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**Organic Chemistry II**

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</table>
ENVIRONMENTAL SCIENCE

The study of environmental science is highly interdisciplinary in nature, therefore, many of the courses in environmental science are offered through other departments of the College. The four courses listed in Requirements for a major in Environmental Science (page 143) constitute the foundation of the environmental science major. Electives may be selected from several other disciplines, numbers of which are only listed here. Environmental science majors should develop strengths in one or more related disciplines such as biology, chemistry, mathematics, social or health sciences.

EVS 104 ASTRONOMY Every Fall/4 hours
A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the non-scientific student, designed to develop an appreciation and understanding of the natural laws of the universe. Field experiences are included.

EVS 114 GENERAL GEOLOGY Every Spring/4 hours
An introduction to physical and historical geology with an emphasis on the geology of Arizona. The relation of geology to man’s cultural and economic development. Field and laboratory experiences.

EVS 264 ECOLOGY AND CONSERVATION Every Fall/4 hours
Also BIO 264. The introductory course in environmental science. The basic concepts of ecology are covered, with emphasis on terrestrial communities. Principles and concepts of resource and energy conservation. Laboratory and field experiences illustrate conservation and demonstrate environmental survey techniques.

EVS 364 ATMOSPHERIC SCIENCE Every Fall/4 hours
A study of the earth’s atmosphere, including composition, movement, weather and other meteorologic phenomena. The study of air pollution, the impact of pollution on the environment, and methods of pollution control.

EVS 374 AQUATIC ECOLOGY Every Spring/4 hours
Also BIO 374. An ecological study of the plants and animals which live in and around water. The effect of man on aquatic ecosystems, and the water needs of man. Laboratory investigation in water analysis and aquatic ecosystems survey techniques. Prerequisite: BIO 214.

EVS 384 HUMAN ECOLOGY Every Spring/4 hours
Also BIO 384 and SOC 384. A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences.

EVS 399 PRACTICUM See page 66. Every semester/1-4 hours

EVS 401 SENIOR SEMINAR Every semester/1 hour
All graduates in Environmental Science 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 seminar.
PHYSICS

Introduction to Probability AND statistics
See page 146.

EVS 363

THE MODERN CITY
See page 116.

EVS 353

MICROBIOLOGY
See BIO 344 on page 111.

EVS 344

PRINCIPLES OF PUBLIC Health
See HLT 343 on page 141.

EVS 343

GENETICS LABORATORY
See BIO 365 on page 141.

EVS 325

CULTURAL ANTHROPOLOGY
See SOC 313 on page 115.

EVS 313

SOCIAL PROBLEMS
See SOC 223 on page 115.

EVS 223

Environmental Science electives, see

Page 66

For descriptions of the following
courses which may be taken as
and other appropriate subjects.

Each semester a different advanced topic will be offered: water quality

Independent study
See page 499

Every semester/1.4 hours

Department of Physical Sciences and Mathematics
DEGREE REQUIREMENTS—MATHEMATICS

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

- MAT 153, 163, 223, 233; Calculus I, II, III, IV 12 hours
- Mathematics electives from 263 and upper division 18 hours
- Computer Science (upper division) 3 hours
- PHY 114, 115 General Physics 8 hours

Requirements for a minor in Mathematics*

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

*Students desiring certification in these areas must take at least 24 hours in the area.

MATHMATICS

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

MAT 113 LIBERAL ARTS MATHEMATICS

An introduction to various mathematical concepts, with emphasis on the methods and processes of mathematics. Topics from sets, logic, functions, and mathematical systems are included. Recommended for majors in elementary education.

Mathematics Laboratory

The pre-calculus curriculum consists of three modular self-paced courses: Intermediate Algebra, College Algebra, and Trigonometry. Remedial work in elementary algebra will be offered as needed on an independent study basis.

Each course in the mathematics laboratory is partitioned into a sequence of modules, and students proceed at their own pace. A continuous enrollment policy allows a student to enroll in a math lab course at any time during the semester.

MAT 120 INTERMEDIATE ALGEBRA

Every semester/3 hours

Prerequisite: Placement counseling and one year of high school algebra.

MAT 121 COLLEGE ALGEBRA

Every semester/3 hours

Prerequisite: Placement counseling and two years of high school algebra, or MAT 120.

MAT 122 TRIGONOMETRY

Every semester/2 hours

Prerequisite: Placement counseling and two years of high school algebra, or MAT 120.

MAT 153 ANALYTIC GEOMETRY AND CALCULUS I

Every Fall/3 hours

A study of concepts of limits, differentiation and integration of algebraic functions and applications. Prerequisite: 3 years or more of high school mathematics.

MAT 163 ANALYTIC GEOMETRY AND CALCULUS II

Every Spring/3 hours

A study of definite integrals, transcendental functions, methods of integration, linear equations. Prerequisite: MAT 153.
INDEPENDENT STUDY
Prerequisite: Junior or Senior standing and permission of the instructor.
Credits: 1-4 hours
Every semester/1-4 hours

MAT 499

EXPERTISE IN METHAMATICS
ADVANCED TOPICS

Fall, 1983, and alternate years/3 hours

MAT 473

ABSTRACT ALGEBRA
or approval of instructor:

An introduction to algebraic structure with particular emphasis on group theory.
Prerequisite: MAT 233 or approval of instructor.
Fall, 1983, and alternate years/3 hours

MAT 423

LINEAR ALGEBRA

Spring, 1984, and alternate years/3 hours

MAT 413

DIFFERENTIAL EQUATIONS

A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: MAT 223.

Fall, 1984, and alternate years/3 hours

MAT 373

TOPOLOGY

A first course in topology with emphasis on the properties of the real number system, sequences and series, functions, continuity, connectedness, compactness, separation axioms, and metric spaces. Prerequisite: MAT 223.

Fall, 1984, and alternate years/3 hours

MAT 343

REAL ANALYSIS

An introduction to measure and integration theory and metric spaces. Prerequisite: MAT 333.

Fall, 1984, and alternate years/3 hours

MAT 313

INTRODUCTION TO PROBABILITY

A study of the probability of stochastic methods. Prerequisite: MAT 113 or equivalent.

Spring/Every semester/3 hours

MAT 263

SET THEORY AND SYMBOLIC LOGIC

Prerequisite: MAT 123.

Every spring/3 hours

MAT 213

ANALYTIC GEOMETRY AND CALCULUS I

Prerequisite: MAT 163.

Every Fall/3 hours

MAT 223

ANALYTIC GEOMETRY AND CALCULUS II

A study of partial differentiation, multiple integration, infinite series, complex numbers, and vectors. Prerequisite: MAT 123.

Every Spring/3 hours

MAT 223

ANALYTIC GEOMETRY AND CALCULUS III

Geometry is also included.

Every Fall/3 hours

MAT 223

MATHEMATICS

Springs 1983, and alternate years/3 hours

Department of Natural Sciences and Mathematics
DEGREE REQUIREMENTS—COMPUTER SCIENCE

Requirements for a major in Computer Science

CS 133, 203, 213, 301, 310, 403, 413, 420, 430 27 hours
Computer Science Electives (6 hours Upper Division) 9 hours
MAT 153, 163 Calculus I and II 6 hours
MAT 313 Symbolic Logic 3 hours
MAT 263 Probability and Statistics 3 hours
CS 480 Readings from the Literature 3 hours
Elective in Public Speaking 3 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 Div.) 12 hours

*Students desiring certification in these areas must take at least 24 hours in the area.

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 201 CMI BASIC Every semester and Summer/3 hours
Self paced instruction on the use of the computer. Cannot be applied toward a computer science major or minor. Credit/non-credit.

CS 203 BEGINNING STRUCTURED PROGRAMMING Every Fall/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 Spring/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.

CS 223 COBOL Fall, 1983, and alternate years/3 hours
Programming techniques and algorithm translation in the language COBOL. Emphasis on business applications.

CS 301 MICROPROCESSOR WORKSHOP Any semester/3 hours
A supervised independent study of the structure and language of a microprocessor. Topics include: basic logic design, coding, hexadecimal arithmetic, and peripheral interfacing. Prerequisite: CS 213.

CS 310 SURVEY OF LANGUAGES Fall, 1983, and alternate years/3 hours
A look at the structure of several high-level languages. Topics include: the definition of a language, language structure and design, data types and structures, interpretive languages, and lexical analysis and parsing. Prerequisite: CS 213.
Requirements for a Teaching Minor in Science

Course Requirements — Science Teaching Minor

See page 66. May be repeated for credit.

Independent Study

Every semester/1-4 hours

CS 499

Electives in Environmental Science, Biology, or Physics

4 hours

PHY 104 Physics for Liberal Arts

4 hours

BIO 114 or 214 Biology

4 hours

CHE 101 Introduction to Chemistry

4 hours

BIO 101 Principles of Biology

The Teaching 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 life and physical sciences. Grades 4-8 who will be teaching both.

Degree Requirements — Science Teaching Minor

See page 66. May be repeated for credit.

Every semester/1-4 hours

CS 499

Independent Study

Presentation of a paper to a senior seminar. Perquisites: Senior standing.

In current computer science topics, including the preparation and presentation of a paper, evaluation and discussion of computer applications, and research in computer science.

Every semester/3 hours

CS 480

Readings in Current Literature

Every semester/1-4 hours

CS 430

Software Engineering

Operating Systems, Perquisites: CS 301, CS 403

A study of the principles and practices involved in producing large scale computer programs. A study of different operating systems and their application. Includes algorithm analysis and design, organization and implementation of stored instructions, and a survey of current software engineering techniques.

Every semester/3 hours

CS 420

Operating Systems

Every semester/3 hours

CS 413

Introduction to Data Structures

Every semester/3 hours

CS 399

Practical Computer Science, Perquisites: CS 213

A study of the principles of computer programs, including computer instruction set architecture, assembly language, and programming languages. Includes algorithm design and analysis techniques, including computer instruction set architecture, assembly language, and programming languages.

Every semester/1-4 hours

CS 332

Topics in Computer Science

An in-depth study of one particular topic each semester. May be repeated for credit.

Every semester, beginning Fall 1983/3 hours

CS 332
Speech
Drama
Theater/Speech
Performing Arts
Music Courses
Music Ensembles
Music Education
Church Music
Applied Music
Programs for Music Majors
Degree Requirements—Music
Degree Programs
Music Scholarships
Student Teaching
Placement of Transfer Students
Piano Proficiency
Jury Examinations
Teacher Changes
Private Lessons
Music Theory
Recitals
Music Degrees
Department Description

PERFORMING ARTS
DEPARTMENT DESCRIPTION

A student in the Performing Arts Department may obtain a B.A. or B.S. degree in six major areas (B.A.: Applied and Church Music, Performing Arts and Theatre/Speech; B.S.: Music Education and Church Music) with a choice of 26 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 or church music. 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.

Church Music Ministries Programs

Realizing that some students may desire a non-seminary track degree in church music, two degree plans are offered those preparing for the church ministry.

The Bachelor of Arts degree is a seminary-oriented church music degree designed for the serious student who plans to attend seminary and work in a large, multi-faceted church music program. No minor is required for this degree.

The Bachelor of Science degree is designed for the student who does not plan to attend seminary, but who desires an overall degree plan which will prepare him or her to guide smaller church programs. A minor is required.

Participation In Group Performance

Seven satisfactory semesters of participation for music majors and three semesters for music minors must be discussed in the Music Student Handbook. Stage band, or choral ensemble. These performance courses carry 1 hour credit per semester.

Non-majors and non-minors may audition for these groups and if chosen, will also receive 1 hour elective credit per semester. Successful candidates, including majors and minors, will receive elective credit for smaller ensembles, such as Jazz Ensemble.

RECITALS

Junior Recital

As prerequisite to senior level work, a formal junior (½) recital is required of all BA majors: applied music, theory, church music and performing arts. It is recommended that
PRIVATE LESSONS

Credit Length
Lesson
Credit

Length

Practice

Expected

2 hours daily
1 1/2 hours daily
1 hour daily

3
2
1

30 minutes

determined by the number of credit hours to be received.

Length of lesson time and required practice are

PRIVATE LESSONS

required grade.

Repeated once in order to obtain this

grade of "C". Each semester may be

allowed to pass with a minimum

All four semesters of music theory

receive elective credit for this course.

non-majors and non-minors may

credit is given majors or minors, but

THE STUDY OF MUSIC THEORY

Academic Regulations, page 59)

rule on the removal of incomplete grades in General

given; completion is required the following semester (see

the grade is canceled, a grade of "I" (incomplete) will be

the grade in which the Recital is to be given. A recital re-

enrollment for this recital must be made during

senior recital. After receiving approval from the faculty for a recital pre-

Senior Recital or

Application For

completes his study within the year.

who gives evidence of being able to

prescribed senior course who has completed all senior

senior recitals. A senior is one who is following the

major organization B's majors (choral music and music

performance for performance either in recital or with a

A formal, full-length, senior recital, presented no later

A Formal Music Exam (see on page 154) (unusual cases are

Exam (see Keypoints at the proceeding semesters' five exam (see

Permission for a junior or senior recital must be granted

two students combine to present a full recital. Theory

Compositions in lieu of a 30-minute composition in lieu of a
Absence From Private Lessons Lessons missed because of the student’s negligence will not be rescheduled. Excused absences, with notification at least 12 hours before the scheduled lesson, and lessons missed because of instructor absence will be made up at a time suitable to both persons; lessons missed during tours, trips or holidays will not.

CHANGE OF TEACHER OR CONCENTRATION

A student who desires to change applied music teachers or concentration must make a written request to the Chairman of the Department and schedule a conference with the music faculty.

APPLIED MUSIC JURY EXAMINATION

All music and performing arts majors and minors are required to perform before a jury of music faculty members as a portion of the final semester grade. Quality of performance and evidence of growth should be exhibited in accordance with jury repertoire requirements listed in the Music Student Handbook.

PIANO PROFICIENCY EXAMINATION

A minimum keyboard proficiency level exam is required of all music majors who do not elect to take a keyboard concentration. Primary emphasis is placed on basic technique, sight-reading, harmonization, and appropriate literature. The exam is divided into three parts, which may be taken separately. This proficiency may be attained by taking up to two semesters of class piano for MUS 127 and applied piano.

PLACEMENT OF TRANSFER STUDENTS

For students who plan to major or minor in any form of music, credit in applied music or theory, which is transferred from another institution, must be validated by an examination administered by the Grand Canyon College music faculty. All prerequisite requirements must be met. Satisfactory recital attendance is required during all semesters in which a transfer student is enrolled at Grand Canyon.

STUDENT TEACHING

The following music requirements must be completed prior to admission to student teaching in music.

1. Completion of the following tests:
   a. Sight Singing Test
   b. Conducting Tests (choral/instrumental)
   c. Piano Proficiency Examination (for all except keyboard concentrations)
<table>
<thead>
<tr>
<th>Bachelor of Science</th>
<th>Bachelor of Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Music Education</strong></td>
<td><strong>Music Education</strong></td>
</tr>
<tr>
<td>+ Education hours</td>
<td>Church Music: (no minor)</td>
</tr>
<tr>
<td>6+ hours (Practice teaching)</td>
<td></td>
</tr>
<tr>
<td><strong>Theater</strong></td>
<td><strong>Theater</strong></td>
</tr>
<tr>
<td>74 hours</td>
<td>74 hours</td>
</tr>
<tr>
<td><strong>Theater</strong></td>
<td><strong>Theater</strong></td>
</tr>
<tr>
<td>75 hours</td>
<td>75 hours</td>
</tr>
<tr>
<td><strong>Orchestra</strong></td>
<td><strong>Orchestra</strong></td>
</tr>
<tr>
<td>45 hours</td>
<td>45 hours</td>
</tr>
<tr>
<td><strong>Choral</strong></td>
<td><strong>Choral</strong></td>
</tr>
<tr>
<td>50 hours</td>
<td>50 hours</td>
</tr>
<tr>
<td><strong>Wind Ensemble</strong></td>
<td><strong>Wind Ensemble</strong></td>
</tr>
<tr>
<td>50 hours</td>
<td>50 hours</td>
</tr>
<tr>
<td><strong>Instrumental</strong></td>
<td><strong>Instrumental</strong></td>
</tr>
<tr>
<td>50 hours</td>
<td>50 hours</td>
</tr>
<tr>
<td><strong>Vocal</strong></td>
<td><strong>Vocal</strong></td>
</tr>
<tr>
<td>50 hours</td>
<td>50 hours</td>
</tr>
<tr>
<td><strong>Applied Music</strong></td>
<td><strong>Applied Music</strong></td>
</tr>
<tr>
<td>50 hours</td>
<td>50 hours</td>
</tr>
</tbody>
</table>

The Department of Performing Arts offers two degrees in music:

**DEGREE PROGRAMS**

Within a student's degree plan, satisfactory academic progress and satisfactory G.P.A. is necessary for renewal of scholarships. A student may be granted during one semester, all students who receive music scholarships are referred to music. Students who receive music scholarships are referred to music. Students who receive music scholarships are referred to music. Students who receive music scholarships are referred to music. Students who receive music scholarships are referred to music. Students who receive music scholarships are referred to music.

**MUSIC SCHOLARSHIPS**

- A. Seven semesters of major study must be completed.
- B. Secondary requirements:
  - A second major must be completed.
  - At least five students per program must be selected.
  - At least five students per program must be selected.
  - At least five students per program must be selected.
  - At least five students per program must be selected.
  - At least five students per program must be selected.

- C. WED 381 Music in the Elementary Grades or WED 382 Elementary Music in the Elementary Grades.
- D. WED 381 Music in the Elementary Grades or WED 382 Elementary Music in the Elementary Grades.
- E. Vocal, Instrumental, or aural examination.
- F. Keyboard, strings, or percussion examination.
- G. Instrumental, keyboard, strings, or percussion examination.
- H. Keyboard, strings, or percussion examination.
- I. Keyboard, strings, or percussion examination.
- J. Keyboard, strings, or percussion examination.
- K. Keyboard, strings, or percussion examination.
- L. Keyboard, strings, or percussion examination.
- M. Keyboard, strings, or percussion examination.
- N. Keyboard, strings, or percussion examination.
- O. Keyboard, strings, or percussion examination.
- P. Keyboard, strings, or percussion examination.
- Q. Keyboard, strings, or percussion examination.
- R. Keyboard, strings, or percussion examination.
- S. Keyboard, strings, or percussion examination.
- T. Keyboard, strings, or percussion examination.
- U. Keyboard, strings, or percussion examination.
- V. Keyboard, strings, or percussion examination.
- W. Keyboard, strings, or percussion examination.
- X. Keyboard, strings, or percussion examination.
- Y. Keyboard, strings, or percussion examination.
- Z. Keyboard, strings, or percussion examination.
DEGREE REQUIREMENTS—MUSIC

Required hours for a major in Music

Core Hours (all majors)

\[ \begin{align*}
\text{MUS 191, 192, 291, 292 Theory} & \quad 16 \text{ hours} \\
\text{MAP Major-Applied Instrument or Voice} & \quad 8 \text{ hours} \\
\text{MAP Major-Applied Instrument or Voice (theory emphasis: 4 hours)} & \\
\text{MAP Applied Keyboard (Voice: Keyboard majors)} & \quad 3 \text{ hours} \\
\text{MUS 120 Piano Proficiency} & \quad 0 \text{ hours} \\
\text{Major Ensemble (7 semesters, according to major emphasis)} & \quad 4+3 \text{ audit} \\
\text{MUS 371, 372 Music History} & \quad 6 \text{ hours} \\
\text{MUS 392 Form and Analysis} & \quad 3 \text{ hours} \\
\text{MUS 471 Music Literature} & \quad 2 \text{ hours} \\
\text{MUS 381 Conducting I} & \quad 2 \text{ hours} \\
\text{MUS 009 Recital Attendance (8 semesters; 7, MUS ED)} & \quad 0 \text{ hours} \\
\end{align*} \]

44 hours

Additional Required Hours

Bachelor of Arts degree:

Option 1: Applied Music

\[ \begin{align*}
\text{MAP Major Applied Instrument or Voice*} & \quad 8 \text{ hours} \\
\text{MAP 390 Junior Recital} & \quad 0 \text{ hours} \\
\text{MAP 490 Senior Recital} & \quad 0 \text{ hours} \\
\text{*does not apply to theory emphasis.} \\
\text{Emphasis 1: instrumental} & \\
\text{Additional Keyboard} & \quad 1 \text{ hour} \\
\text{9 hours} & \\
\text{Emphasis 2: organ} & \\
\text{MUS 391 Counterpoint} & \quad 2 \text{ hours} \\
\text{MUS 429 Studio Accompanying} & \quad 2 \text{ hours} \\
\text{MUS 421 Organ Lit and Accompanying} & \quad 1 \text{ hour} \\
\text{13 hours} & \\
\text{Emphasis 3: piano} & \\
\text{MUS 391 Counterpoint} & \quad 2 \text{ hours} \\
\text{MUS 429 Studio Accompanying} & \quad 2 \text{ hours} \\
\text{12 hours} & \\
\text{Emphasis 4: voice*} & \\
\text{MUS 111, 112, 211 Diction I, II, III} & \quad 3 \text{ hours} \\
\text{Additional Keyboard} & \quad 1 \text{ hour} \\
\text{12 hours} & \\
\text{Emphasis 5: classical guitar*} & \\
\text{Additional Keyboard} & \quad 1 \text{ hour} \\
\text{9 hours} & \\
\text{*of the 16 hours of applied guitar taken} \\
\text{14 are to be of classical guitar, and 2 of studio guitar.} & \\
\end{align*} \]
Emphasis 1: Instrumental

Voice emphasis may substitute extra hours in Studio Accompanying and Voice.

Option II: Church Music (Seminary/Graduate School track)
Bachelor of Science Degree

Option I: Church Music (non-seminary/graduate school track)

- MCH 371 Literature and Worship 3 hours
- MCH 372 Hymnology 3 hours
- MCH 378 Church Music History 3 hours
- MCH 382 Church Music Seminar/Practicum 3 hours
- MUS 167 Class Guitar 1 hour
- MUS 382 Conducting II 2 hours
- MAP 400 Senior Recital 0 hours

Emphasis 1: instrumental
- MAP 119, 219, or MUS 117 Voice 3 hours

Emphasis 2: keyboard
- MUS 429 Studio Accompanying 2 hours

Emphasis 3: theory*
- MUS 391 Counterpoint 2 hours
- MUS 492 Modern Harmony 2 hours

Emphasis 4: voice
- MUS 111 Diction I 1 hour
- MUS 481 Vocal Pedagogy 2 hours

*of the total 4 hours Applied Music required, at least 2 must be voice.

Option II: 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 90. 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 93-95) 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 154).

A minor is not required for students receiving secondary certification.

- MED 232, 241, 251, 262 Instrument Classes 4 hours
- MED 381 Music in the Elementary Grades 3 hours
- MED 382 Music in the Jr/Sr High School 3 hours
- MUS 167 Class Guitar 1 hour
- MUS 382 Conducting II 2 hours
- MAP 400 Senior Recital 0 hours

Plus Education hours required for certification
Requirements for a Church Music Minor

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>MUS 312 Conducting I</td>
</tr>
<tr>
<td>4</td>
<td>MUS 191 Elementary Theory I</td>
</tr>
<tr>
<td></td>
<td>MUS 111, 112, 211, FRGER Direction (voice emphasis only) (3 hours)</td>
</tr>
<tr>
<td>0</td>
<td>MUS 099 Realistic Arrangement (4 semesters)</td>
</tr>
<tr>
<td>3</td>
<td>MUS 119, 139, 149, 169 MUS 492 Ensemble</td>
</tr>
<tr>
<td>3</td>
<td>IN 110, 120, 210, 220, 230, 310, 410 Music in the Elementary School</td>
</tr>
<tr>
<td>2</td>
<td>MUS 241, 242, 252, 251 Instrument Classes</td>
</tr>
<tr>
<td>2</td>
<td>MUS 241, 242, 252, 251 Instrument Classes</td>
</tr>
<tr>
<td>2</td>
<td>MUS 241, 242, 252, 251 Instrument Classes</td>
</tr>
<tr>
<td></td>
<td>Major applied in keyboard or voice</td>
</tr>
<tr>
<td></td>
<td>Major applied in instrument</td>
</tr>
</tbody>
</table>

Requirements for a Music Education Minor

Programs Offered for Music Minors

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MUS 320 Jazz Improvisation</td>
</tr>
<tr>
<td>1</td>
<td>MUS 351 Music Organizations</td>
</tr>
<tr>
<td></td>
<td>Additional Studio Class (9)</td>
</tr>
<tr>
<td></td>
<td>Emphasis: Guitar</td>
</tr>
<tr>
<td>18</td>
<td>MUS 481 Vocal Pedagogy</td>
</tr>
<tr>
<td></td>
<td>MUS 111, 112, 211 Direction I, II, III</td>
</tr>
<tr>
<td></td>
<td>Emphasis: Voice</td>
</tr>
<tr>
<td></td>
<td>Additional Applied</td>
</tr>
<tr>
<td></td>
<td>MUS 492 Modern Harmony</td>
</tr>
<tr>
<td></td>
<td>MUS 391 Counterpoint</td>
</tr>
<tr>
<td></td>
<td>Emphasis: Theory</td>
</tr>
<tr>
<td></td>
<td>MUS 429 Studio Accompaniment may be substituted for ensemble hours.</td>
</tr>
<tr>
<td>15</td>
<td>MUS 391 Counterpoint</td>
</tr>
<tr>
<td></td>
<td>Emphasis: Keyboard</td>
</tr>
<tr>
<td>15</td>
<td>MUS 351 Music Organizations</td>
</tr>
<tr>
<td>2</td>
<td>MUS 391 Counterpoint</td>
</tr>
<tr>
<td></td>
<td>Emphasis: Instrumental</td>
</tr>
</tbody>
</table>
MUS 009 Recital Attendance—4 semesters  0 hours
MUS 191 Elementary Theory I  4 hours
MUS 381 Conducting I  2 hours
26 hours

Requirements for a non-teaching minor in Music
MAP major applied instrument or voice  4 hours
MAP secondary applied in keyboard or voice  3 hours
MEN 119, 129, 139, 149, 169, MUS 429  3 hours
MUS 009 Recital Attendance—4 semesters  0 hours
MUS 111, 112, 211 It, Fr, Ger Diction (voice emphasis only) (3 hours)
MUS 191 Elementary Theory I  4 hours
MUS 371 or MUS 372 Music History I, or II  3 hours
MUS 381 Conducting I  2 hours
19(22) hours

It is recommended that all 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 required to be repeated once. Amount of credit given is based upon required practice (see page 153). 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.  
Every semester/1 hour

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.  
Every semester/1-2 hours

MAP 219 APPLIED VOICE  
Continuation of MAP 119. Prerequisite: MAP 119.  
Every semester/1-2 hours

MAP 319 APPLIED VOICE  
Continuation of MAP 219. Designed to prepare for a Junior Recital. Prerequisite: MAP 219, Junior standing, completion of Diction requirements, successful passing of a Voice Upper Level Proficiency Jury.  
Every semester/1-2 hours

MAP 419 APPLIED VOICE  
Continuation of MAP 319. Designed to prepare for a Senior Recital. Prerequisite: MAP 319 and Senior standing.  
Every semester/1-2 hours

MAP 129 APPLIED KEYBOARD/ORGAN  
Private instruction in the study of organ technique, including hymn and service playing. Repertoire includes the beginning of a progressive study of the works of Bach, Mendelssohn, Dupre, Franck, Brahms, Reubke, Vierne

Every semester/1-2 hours
Prerequisite: MAF 49 and Senior Standing

Contribution to MAF 499. Designed to prepare for a Senior Recital
Every semester/1.0 hours

MAF 499
Applied Brass

Prerequisite: MAF 499 and Junior Standing

Contribution to MAF 499. Designed to prepare for a Junior Recital
Every semester/1.0 hours

MAF 499
Applied Brass

Form as MAF 139 on page 161.

Phrase instruction in a brass instrument of the student's choice. Some
Every semester/1.0 hours

MAF 139
Applied Brass

Prerequisite: MAF 339 and Senior Standing

Contribution to MAF 339. Designed to prepare for a Senior Recital
Every semester/1.0 hours

MAF 339
Applied Woodwinds

Choice. Jod sections are studied from recognized composers.
Production, scales and technique for playing the instrument of the student's
Every semester/1.0 hours

MAF 139
Applied Woodwinds

Prerequisite: MAF 229 and Junior Standing

Contribution to MAF 229. Designed to prepare for a Junior Recital
Every semester/1.0 hours

MAF 229
Applied Keyboard/Piano

Chopin, J. S. Bach, Mozart, and other outstanding composers.
Progression of themes includes works by J. S. Bach, Mozart, Beethoven.
Minor scales in a variety of scales in Asphalt, diatonic, and triad; broken chord
Every semester/1.0 hours

MAF 129
Applied Keyboard/Piano

Prerequisite: MAF 329 and Senior Standing

Contribution to MAF 329. Designed to prepare for a Senior Recital
Every semester/1.0 hours

MAF 329
Applied Keyboard/Piano

Prerequisite: MAF 229 and Junior Standing

Contribution to MAF 229. Designed to prepare for a Junior Recital
Every semester/1.0 hours

MAF 229
Applied Keyboard/Organ

Adapted materials. Attention is also given to accompaniment for
Choral works and solos, choral works and recital playing.

Applied Keyboard/Organ
MAP 159 APPLIED PERCUSSION
Private instruction in a percussion instrument of the student's choice. Same format as MAP 139 on page 161.

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. Prerequisite: MAP 259 and Junior standing.

MAP 459 APPLIED PERCUSSION
Continuation of MAP 359. Designed to prepare for a Senior Recital. Prerequisite: MAP 359 and Senior standing.

MAP 169 APPLIED STRINGS/ORCHESTRAL INSTRUMENTS
Violin, Viola, Cello, String Bass private instruction. Same format as MAP 139 on page 161.

MAP 269 APPLIED STRINGS/ORCHESTRAL INSTRUMENTS
Continuation of MAP 169. Prerequisite: MAP 169.

MAP 369 APPLIED STRINGS/ORCHESTRAL INSTRUMENTS
Continuation of MAP 269. Designed to prepare for a Junior Recital. Prerequisite: MAP 269 and Junior standing.

MAP 469 APPLIED STRINGS/ORCHESTRAL INSTRUMENTS
Continuation of MAP 369. Designed to prepare for a Senior Recital. Prerequisite: MAP 369 and Senior standing.

MAP 169 APPLIED STRINGS/CLASSICAL OR STUDIO GUITAR
The student is given a choice for the study of either Classical or Studio Guitar. Classical Guitar provides private study in technique and scales along with various styles and composers; the goal is classical performance. Studio Guitar provides a series of private instruction designed to prepare the student for professional studio performance through a concentration on varied styles and improvisation.

MAP 269 APPLIED STRINGS/CLASSICAL OR STUDIO GUITAR
A continuation of MAP 169. Prerequisite: MAP 169.

MAP 369 APPLIED STRINGS/CLASSICAL OR STUDIO GUITAR
A continuation of MAP 269. Designed to prepare for a Junior Recital. Prerequisite: MAP 269 and Junior standing.

MAP 469 APPLIED STRINGS/CLASSICAL OR STUDIO GUITAR
A continuation of MAP 369. Designed to prepare for a Senior Recital. Prerequisite: MAP 369 and Senior standing.

MAP 390 JUNIOR RECITAL
Also PAR 390. Public Recital approximately 30 minutes in length in accordance with requirements of B.A. degree in music and the performing arts. Applied and Church Music majors will perform as designated in the Music Student handbook; theory majors will present a 30 minute composition.
Class instruction for beginners in playing the acoustic guitar. Open on
Fall, Spring/1 hour

CLASS GUITAR
MUS 167

Third semester continuation of MUS 129
Fall, Spring/1 hour

CLASS ORGAN
MUS 229

Learning. Open to non-majors and minors with some piano background.
Fall, Spring/1 hour

CLASS ORGAN
MUS 129

Third semester continuation of MUS 127.
Fall, Spring/1 hour

CLASS PIANO
MUS 227

Prerequisite: Examination.
Class is designed to help students meet the requirements for the piano
technique, sight-reading, harmonization, and sight-reading literature. This
with no previous piano training. Primary emphasis is placed on basic
Fall, Spring/1 hour

CLASS PIANO
MUS 126

Basic Piano

Fall, Spring/1 hour

CLASS PIANO
MUS 120

Prerequisite: Students must pass an audition for Piano 120.

CLASS PIANO
MUS 117

Emergent songs. Open to non-majors.

Fall, Spring/1 hour

CLASS VOICE
MUS 110

Consent of instructor. Prerequisite: None.
Instruction after completing an
Fall, Spring/1 hour

CLASS VOICE
MUS 117

Class Instruction in Applied Music

Ensemble.

Certain music majors may choose presentation of original composition with a Major
Every semester/no credit

Music Education and Church Music.

Fall, Spring/1 hour

Senior Recital (B.A. degree)
Map 490

Senior Recital (B.S. degree)
Map 400
CHURCH MUSIC COURSES

MCH 371 LITERATURE AND WORSHIP  Fall, 1982, Spring 1984/3 hours
A survey of choral literature for the church, i.e., anthems, solos, cantatas, oratorios, and the relation of these to the elements of worship.

MCH 372 HYMNOLOGY  Fall, 1983, and alternate years/3 hours
Also REL 393. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and workshop. 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 FORMS  Fall, 1982, 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.

MUSIC EDUCATION COURSES

MED 232 WOODWIND INSTRUMENT CLASS  Spring/1 hour
A practical study of the high and low woodwind instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore standing.

MED 241 BRASS INSTRUMENT CLASS  Fall/1 hour
A practical study of the high and low brass instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

MED 251 PERCUSSION INSTRUMENT CLASS  Fall/1 hour
Same format as MED 241, except pertaining to percussion instruments. Prerequisites: Sophomore standing.

MED 262 STRING INSTRUMENT CLASS  Spring/1 hour
A practical study of the high and low string instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

MED 351 INSTRUMENTAL MUSIC ORGANIZATIONS  Fall/2 hours
An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes philosophy, marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and
OCHERSTRA

- MEN 169

• Full and Spring. Rehearsals are on a T.B.A. basis.
• Enrollment capped at 150 with instrumental experience. No credit for course.

BASKETBALL BAND

- MEN 159

• Performance of jazz material written or arranged for the stage.
• Fall, Spring. 1 hour.

STAGE BAND

- MEN 149

• Percussion instruments. Prerequisite: consent of instructor.
• Provides experience in the performance of music written for wind and percussion.
• Fall, Spring. 1 hour.

WIND ENSEMBLE

- MEN 139

• A performing ensemble designed to give the student experience in a small ensemble setting.
• Performance of jazz material written or arranged for the stage.
• Fall, Spring. 1 hour.

SMALL JAZZ ENSEMBLE

- MEN 129

• Periods each week for rehearsals. 2 smaller, touring groups which have additional rehearsals.
• Membership is open to all students. Successful seminars of chordal music is required.
• Fall, Spring. No credit.

CHOURAL ENSEMBLE

- MEN 119

• Student body, work among choral groups, and clubs as a public relations group.
• Small ensemble of singers and instrumentalists; open by audition to members.
• Fall, January, Spring. No credit.

MUSIC ENSEMBLES

- MEN 109

• Orchestra: 169
• Band: 159
• Stage Band: 149
• Wind Ensemble: 139
• Small Jazz Ensemble: 129
• Choral Ensemble: 119

MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL

- MED 382

• Prerequisite: MED 293. This course is designed to provide student teachers with a comprehensive understanding of music education, including the development of instructional strategies, assessment, and evaluation.
• Fall, Spring. 3 hours.

MUSIC IN THE ELEMENTARY GRADES

- MED 381

• Prerequisites: MED 292, MED 241, 242, 223, 225
• Study of methods for teaching elementary music, including planning, implementation, and assessment.
• Fall, Spring. 3 hours.

Department of Performing Arts
MUSIC COURSES

MUS 009  RECITAL ATTENDANCE  Fall, Spring/No credit
Thursday afternoon studio, area, and departmental recitals required of all music and performing arts majors and minors. Details listed in Music Student Handbook.

MUS 105  FUNDAMENTALS OF MUSIC  Spring, Summer/2 hours
Designed for every individual interested in acquiring skill as well as a theoretical grasp of the basic elements involved in the reading, writing, performance and understanding of music. No credit toward degree for music majors. No prerequisite.

MUS 111  ITALIAN DICTION I  Spring, 1983 (every 3rd semester)/1 hour
A laboratory devoted to phonetic sounds of Italian as used by a singer. Prerequisite course to upper level Applied Voice.

MUS 112  FRENCH DICTION II  Fall, 1983 (every 3rd semester)/1 hour
A laboratory devoted to phonetic sounds of French as used by a singer. Prerequisite course to upper level Applied Voice. Student having 2 years high school French or 1 year college French may test out of this course.

MUS 211  GERMAN DICTION III,  Fall, 1982, Spring, 1984 (every 3rd semester)/1 hour
A laboratory devoted to phonetic sounds of German as used by a singer. Prerequisite course to upper level Applied Voice. Student having 2 years high school German or 1 year college German may test out of this course.

MUS 191  ELEMENTARY THEORY OF MUSIC I  Fall/4 hours
Designed for Music Majors and Minors, this is an integrated course in musicianship, including ear training, sight-singing, dictation, written and keyboard harmony. Study is devoted to the structure of music for the purpose of developing skill in creative expression as well as skill in analyzing and understanding music being studied or performed. Three hours of class work and two hours of laboratory. Grade of "C" or above necessary for advancement. Prerequisite: MUS 105 or a satisfactory score on the Freshman Theory Placement Examination administered during enrollment week and on demand during summer sessions.

MUS 192  ELEMENTARY THEORY OF MUSIC II  Spring/4 hours
Continuation of MUS 191. Grade of "C" or above necessary for advancement. Prerequisite: MUS 191, or equivalent.

MUS 219  OPERA WORKSHOP  Fall/3 hours
Also PAR 219. 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/2 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.
A study of the various structural forms in music from the Middle Ages through the Romantic period, with an emphasis on the most complex such as the fugue, the sonata, and the symphony. Students will write their own fugues and sonatas and then analyze the works of other composers. Pre-requisite: MUS 292.

MUS 393: ADVANCED THEORY OF MUSIC I
Admission: Prerequisite: MUS 192 or equivalent and above. A course in enhanced understanding of theorists and their works, with emphasis on analyzing a wide range of music from the Middle Ages through the Baroque period and beyond. Pre-requisite: MUS 291, Grade of "C" or above necessary for enrollment. Pre-requisite: MUS 292, or equivalent and above. A course in advanced study in counterpoint and other Harmony, including thorough study in sight-reading and dictation. Pre-requisite: MUS 292, Grade of "C" or above. A course in advanced study in counterpoint and other Harmony, including thorough study in sight-reading and dictation. Pre-requisite: MUS 292.
MUS 421  ORGAN LITERATURE AND ACCOMPANIMENT  
On demand/1 hour  
Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignment for accompanying a choir is given. Prerequisite: two years of Applied Organ, MAP 129 and 229.

MUS 429  STUDIO ACCOMPANYING  
Spring/1 hour  
A study and application of accompanying techniques in vocal and instrumental music. Students are assigned a vocalist and instrumentalist with whom to work for the semester. Prerequisite: consent of instructor.

MUS 471  MUSIC LITERATURE  
Fall/2 hours  
A survey of music literature including masterworks of chamber music, symphony, concerto, choral music, and opera with emphasis on style, aesthetics, and musical terminology. Prerequisites: MUS 292, 371, 372.

MUS 481  VOCAL METHODS AND PEDAGOGY  
Fall, 1983, and alternate years/2 hours  
A study of skills for the teaching of voice to individuals or groups. The physical voice is studied and potential vocal problems analyzed; historical methods of correction are presented. Guest lecturers present current ideas. Open to persons of all disciplines who are interested in the teaching of voice. Prerequisite: MAP 219, or consent of instructor.

MUS 492  MODERN HARMONY  
Fall, 1983, 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.

DEGREE REQUIREMENTS—PERFORMING ARTS

Students interested in the Performing Arts may major in one or more of five emphases: church music drama, the American musical, children's musicals, operetta, or opera. No minor is required of the operetta or opera emphases.

A Performing Arts minor is available and is especially recommended for music, theatre/speech, and religious education majors, as well as others interested in a performance-oriented minor in the general field of the Arts.

Requirements governing recital attendance, ensemble participation and jury exams are the same as for a music major. Semesters required are listed in the degree requirements.

P. ARTS, a small ensemble of singing actors, is open by audition each year and serves as a performance group from the class, PAR 289/389.

A major full-length musical is produced yearly.

Requirements for a major in the Performing Arts (B.A. Degree)

Required Core Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PAR 219, 319 Opera Workshop</td>
<td>3</td>
</tr>
<tr>
<td>PAR 289, 389 Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>PAR 297, 397 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>PAR 378 History and Literature of the Lyric Stage</td>
<td>3</td>
</tr>
</tbody>
</table>
Requirements for a Major in the Performing Arts

40 hours

1 hour

WMS 111 Italian, Dict
FR 114, 124 Elementary French
GER 114, 124 Elementary German

This option allows a student to take an additional language between a year or one complete language and two languages of the language not chosen (WMS 112, or 211) must be taken.

9 hours

1 hour

WMS 111 Italian, Dict

39 hours

Option II: (no minor required) Opera or OPERA EMPHASIS

1 hour

WMS 111, 112, 211 Italian, French, German Dict

2 hours

MUS 111, 112, 211 Italian, French, German Dict

Musicals Emphasis

3 hours

WMS 499 Junior Recital

3 hours

WMS 499, 499 Independent Study in Music Drama

PAR 499 Senior Recital

PAR 498 Stage and Lighting Design

PAR 498 Coaching/Directing of the Performing Arts

PAR 399 Practicum in Music Drama

PAR 399 Movement

PAR 399 Theories and Practices of Performing Arts

PAR 399 Junior Recital

30 hours

3 hours

DPF 119, 219 Applied Voice or MUS 1117

DRA 198 Acting I

Option III: (no minor required) Opera or OPERA EMPHASIS

1 hour

WMS 499 Studio Accompaniment

4 hours

WMS 381, 385 Conducting I, II

4 hours

WNS 191 Elementary Theory I

0 hours

WNS 009 Practical Audiences (2 semesters)

2 hours

MCH 378 History of Church Music and its Forms

3 hours

WMS 192, 292 Practical Music of WNS 1117

6 hours

WMS 192, 199, 219, 319, 419 Applied Voice or MUS 1117

298 Christian Drama

DRA 199 Acting I

DPA 198 Acting I

Additional Required Hours
PERFORMING ARTS

PAR 219 OPERA WORKSHOP See MUS 219 on page 166. Fall/3 hours

PAR 289 MUSICAL THEATRE Fall, January, Spring/3 hours
Also PAR 389. Small ensemble (P.ARTS) of singing actors; scenes from
lyric theatre, including church music drama, children’s theatre, Broadway
musical, opera and operetta, are developed and staged for public viewing.
January term course produces a full-length musical with costumes,
lighting, set decoration, design and practicum, orchestra, business and
house management, and public relations effectiveness. Open to non-
majors and minors by audition. May be repeated for credit. Prerequisite:
consent of instructor.

PAR 297 STAGECRAFT See DRA 297 on page 172.

PAR 319 OPERA WORKSHOP See MUS 219 on page 166.

PAR 378 HISTORY AND LITERATURE OF THE LYRIC STAGE Spring, 1984, and alternate years/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.

PAR 389 MUSICAL THEATRE See PAR 289 (above).

PAR 390 JUNIOR RECITAL Every semester/No credit
See MAP 390 on page 162. Performing Arts majors may elect to stage a
30-minute lyric theatre scene in conjunction with a major field of
emphasis.

PAR 397 STAGECRAFT See DRA 297 on page 172.

PAR 398 THEORIES AND PRACTICES OF PERFORMING ARTS MOVEMENT Spring, 1983, and alternate years/3 hours
Theories and technical practices of styles and schools of performing arts
movement. Study of audition techniques, working with groups and
individually, direction techniques, the basic theories of Delsarte, Dalcroze,
Alexander and application to movement with singing acting—movement
appropriate and utilized in all forms of sacred music drama (as applies to
church situations, general music drama and that appropriate for and with
children). Open to non-majors and minors. Prerequisite: PAR 378 or
consent of instructor.
3 hours

6 hours

3-6 hours

3.9 hours

Requirements for a major in Theatre/Speech (B.A. Degree)

Groups: The Theatre/Speech major shall perform publicly on campus. Each student body's speech team competes in contests each year, and each semester audition is open to the sophomore. A major play is presented

Courses and schools each

should be chosen from the following course work. Course work consists of 33 hours, 12 of which must be upper division courses.

Group I:

Group II:

Group III:

DEGREE REQUIREMENTS - THEATRE/SPEECH

8 hours

SENIOR RETRAC

Department of Performing Arts
Group VI:
- DRA 298 Christian Drama
- SPC /DRA 398 Communications and the Media
- DRA 488 Directing

requirements for a minor in Speech
- SPC 113 Fundamentals of Speech 3 hours
- SPC 311 Advanced Public Speaking 3 hours
- SPC 318 Voice and Diction 3 hours
- SPC 378 Oral Interpretation of Literature 3 hours
- SPC 292 Group Discussion 3 hours
- Performing Drama 3 hours

18 hours

requirements for a minor in Theatre
- DRA 198 Acting I 3 hours
- DRA 297, 397 Stagecraft 3 hours
- DRA 498 Stage and Lighting Design 3 hours
- SPC 113 Fundamentals of Speech 3 hours
- SPC 292 Group Discussion 3 hours
- SPC 311 Advanced Public Speaking 3 hours
- DRA 278 Introduction to Drama 3 hours
- DRA 378 History of Theatre 3 hours

18 hours

**Drama**

DRA 198 ACTING I  
*Fall, 1982, Spring, 1984*  
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.

DRA 219 REPERTORY ACTING COMPANY  
*Fall, Spring*  
3 hours

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

DRA 278 INTRODUCTION TO DRAMA  
*Fall, 1983 (alternate years)*  
3 hours

The study of dramatic structure, dramatic literature, period styles and various types of drama.

DRA 297 STAGECRAFT  
*Fall, Spring*  
3 hours

Also PAR 297/397. The study of set construction, lighting, costuming, properties, and make-up. Practical application of the above to be gained through college practicums. May be repeated for credit once.

DRA 298 CHRISTIAN DRAMA  
*Fall, 1983 (alternate years)*  
3 hours

Also REL 253. A creative Christian dramatics lab with opportunities to
COMMUNICATIONS AND LITERATURE

Spring 1983 (alternate years) 3 hours

COMMUNICATIONS AND LITERATURE

Spring 1983 (alternate years) 3 hours

VOICE AND DICTION

Fall 1983 (alternate years) 3 hours

ADVANCED PUBLIC SPEAKING

Fall on demand 3 hours

GROUP DISCUSSION

Spring on demand 3 hours

FUNDAMENTALS OF SPEECH

SPC 113

SPC 318

SPC 319

SPC 378

SPC 379

SPC 398

SPC 488

DRAMA 498

DRAMA 488

DRAMA 398

DRAMA 219

DRAMA 217

DRAMA 317

DRAMA 319

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RELIATION

Center for Biblical Studies
Philosophy
Religion
Degree Requirements—Religious Education
Degree Requirements—Religion
New Testament Greek
Bible
Degree Requirements—Bible
Department Description
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 his course of study to give him the best possible general preparation for his life work. He should enroll in a wide variety of courses, according to his interests, that will provide background for his association with people in all fields of endeavor. Suggested areas include sociology, psychology, history, science, business, and government. For improvement of his ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. He should take courses in physical education which will help him develop a lifelong program of health improvement and care.

In preparation for seminary and for spiritual growth, the ministerial student should take at least a minor in Bible or Religion. One who does not plan to go to seminary should major in one of these fields. Seminary courses are usually more technical and of broader scope than college courses. Usually, any Religion or Bible course offered in college will be only preparatory and will not result in repetition at seminary. Students planning to enter religious or church related work are strongly encouraged to pursue seminary studies following graduating from college.

DEGREE REQUIREMENTS—BIBLE

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

BIBLE

BIB 113 OLD TESTAMENT HISTORY Every semester and every Summer/3 hours
An introductory and historical survey of the Old Testament. Attention is given to the study of the Bible itself, its institutions, literature, and history of the national life of the Hebrew people from earliest times to the close of the Old Testament period.

BIB 123 NEW TESTAMENT HISTORY Every semester and every Summer/3 hours
A general historical survey of the New Testament, beginning with the inter-Biblical period, with the main emphasis given to the Gospels and Acts.
NEW TESTAMENT GREEK

Prerequisites: BIB 113 and 123.

BIBLICAL BACKGROUNDS

Spring 1994, and alternate years/3 hours

Every Spring/3 hours

BIB 463

BIB 443

LIFE AND LETTERS OF PAUL

Fall 1992, and alternate years/3 hours

BIB 443

LIFE AND TEACHINGS

Fall 1993, and alternate years/3 hours

BIB 423

GENERAL PERSPECTIVES AND

Spring 1994, and alternate years/3 hours

BIB 423

CHRISTIAN DOCTRINES

Fall 1992, and alternate years/3 hours

BIB 437

OLD TESTAMENT POETRY

Fall 1993, and alternate years/3 hours

BIB 435

OLD TESTAMENT PROPHETS

Spring 1994, and alternate years/3 hours

BIB 437

EVANGELISM

Spring 1993, and alternate years/3 hours

BIB 323

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GRK 274  BEGINNER'S GREEK  Every Fall/4 hours
Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to study the Greek New Testament. Sophomore standing or special permission is required.

GRK 284  BEGINNER'S GREEK  Every Spring/4 hours
A continuation of GRK 274. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of cases, prepositions, and tenses. Prerequisite: GRK 274 or equivalent.

GRK 373  ADVANCED GREEK GRAMMAR  Every Fall/3 hours
For second year students of the Greek New Testament. Forms, syntax, and prose composition are reviewed. The student is required to translate Thessalonians and is given, with each lesson, a demonstration of the significance of Greek forms as vital to accurate translation. Prerequisite: GRK 284.

GRK 383  ADVANCED GREEK GRAMMAR  Every Spring/3 hours
A continuation of GRK 373. This course includes an exegesis of one short New Testament book, designed to help prepare the student for the use of the most effective methods of exegesis of the Greek New Testament. Prerequisite: GRK 373.

DEGREE REQUIREMENTS—RELIGION

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

BIB 113 and 123 Old and New Testament History  6 hours
BIB 373 Christian Doctrines  3 hours
REL 303, 333, 353, or 463  3 hours
Electives in Bible or Religion  18 hours

Requirements for a minor in Religion

BIB 113 and 123 Old and New Testament History  6 hours
BIB 373 Christian Doctrines  3 hours
Electives in Bible or Religion (3 hours upper division)  9 hours

DEGREE REQUIREMENTS—RELIGIOUS EDUCATION

Requirements for a minor in Religious Education

REL 213 A Survey of Religious Education  3 hours
REL 243 Church Administration  3 hours
REL 333 Psychology in Religion  3 hours
EDU 303 Foundations of Education or EED 343  3 hours
Communication Arts in the Elementary School

Two of the following:

BIB 323 Evangelism
REL 253 Christian Drama: Directing and Performing
REL 302 Church Recreation
REL 363 Audio Visual Material and Methods
REL 393 Hymnology  6 hours

These hours do not include BIB 113 and BIB 123.

A student may receive a minor in Religious Education with a major in Bible but not with a major in Religion.
Pastoral Ministry

See EDU 369 on page 96

See HIS 353 on page 115

See PSY 333, Design and Readings in Group Counseling

Spring 1994, and all even years/3 hours

Psychology of Religion

Christian Missions

See DRJ 298 on page 172

Christian Drama: Directing and Performing

Baptist and American Church History

See REC 303 on page 107

Church Recreation

See REC 309 on page 107.

Church Administration

See REC 431 on page 107.

A Survey of Religious Education

Church Growth and Development

Department of Religion 119
REL 383 HOMILETICS  Fall, 1982, and alternate years/3 hours
A study of principles and practice of preaching, types of sermons, principles and procedure of sermon preparation. Students will prepare several sermons during the semester. Prerequisite: BIB 113 and 123.

REL 393 HYMNODY  See MCH 372 on page 164.

REL 463 WORLD RELIGIONS  On demand/3 hours
Also PHI 463. A study of the major religions of the world, both ancient and contemporary, with emphasis upon primitive religions. Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam, and Judaism.

PHILOSOPHY

PHI 213 INTRODUCTION TO PHILOSOPHY  Every Spring/3 hours
A survey of the types of philosophy, the basic problems which man has faced, and the philosophic attempts to solve these problems.

PHI 463 WORLD RELIGIONS  See REL 463 (above).

CENTER FOR BIBLICAL STUDIES

The Department of Religion has established a Center for Biblical Studies to enlist more students in the study of Bible and religion and to render a service to the community.

Under this program a person not enrolled in any other college may take up to seven hours of college work per semester, all of which must be in Bible, Greek, or Religion. These courses may be audited or taken for credit. Any of the courses listed in the Department of Religion, except Philosophy, may be taken under the program, only during a regular Fall or Spring semester.

A certificate will be awarded upon completion of 18 hours and an advanced certificate for 30 hours.

There is a special tuition fee of $35 per semester hour. See page 22 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 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 Nursing Admissions 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. Provisional approval for the nursing program has been granted by the Arizona State Board of Nursing. Full accreditation is anticipated upon graduation of the first class.

DEGREE REQUIREMENTS

Prerequisites for Nursing

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 113, 123 Grammar/Composition</td>
<td>6</td>
</tr>
<tr>
<td>CHE 101, 102 Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>PSY 213 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 250 Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>BIO 251, 252 Anatomy &amp; Physiology</td>
<td>8</td>
</tr>
<tr>
<td>SOC 213 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 344 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MAT 120 Intermediate Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 38 hours

Requirements for Graduation

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIB 113 Old Testament History</td>
<td>3</td>
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<tr>
<td>BIB 123 New Testament History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 113, 123 History/Civ. I, II</td>
<td>6</td>
</tr>
<tr>
<td>HIS 123, 233 Civ. II, III or</td>
<td>2</td>
</tr>
<tr>
<td>HIS 213, 223 U.S. His.</td>
<td>4</td>
</tr>
<tr>
<td>AH 112 Art or MUS 252 Music Appr.</td>
<td>2</td>
</tr>
<tr>
<td>Activity P.E.</td>
<td>4</td>
</tr>
</tbody>
</table>
Tentative Curriculum Plan

Curriculum Plan

Grand Total 129 hours

January

NUR 468 Senior Nursing Practicum

NUR 449 Research, Trends and Issues

NUR 403 Nursing Leadership and Management

NUR 402 Advanced Med/Surg Nursing

NUR 401 Community Health Nursing

NUR 304 Mental Health Nursing

NUR 303 Concepts of Med/Surg Nursing

NUR 302 Pediatric Nursing

NUR 301 Mental Health Nursing

NUR 202 Fundamentals of Nursing (C.N.A.)

NUR 201 Personal & Professional Goals

NUR 201 Goals in Health Care

Free Elective

MAT 353 Statistics

SAMHAN College of Nursing

183
### Spring
- NUR 202 Fundamentals of Nursing: 5 hours
- MAT 363 Statistics: 3 hours
- Bible*: 3 hours
- History*: 3 hours
- Physical Education*: 1 hour

January Term: 3 hours

### Junior
#### Fall
- NUR 301 Maternity Nursing: 6 hours
- NUR 302 Pediatric Nursing: 6 hours
- Bible or History*: 3 hours

15 hours

#### Spring
- NUR 303 Concepts of Med/Surg Nursing: 6 hours
- NUR 304 Mental Health Nursing: 6 hours
- Free Elective: 3 hours

15 hours

### Senior
#### Fall
- NUR 401 Community Health Nursing: 6 hours
- NUR 402 Advanced Med/Surg Nursing: 6 hours
- Free Elective: 3 hours

15 hours

#### Spring
- NUR 403 Nursing Leadership/Mgmt.: 6 hours
- NUR 404 Research, Trends & Issues: 3 hours
- NUR 498 Senior Nursing Practicum: 3 hours
- Art or Music Appreciation*: 2 hours

14 hours

January Term: 3 hours

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*Required for graduation not prerequisite to nursing major.

**BIO 214 Zoology is a prerequisite if no high school biology.

***Self-paced math lab required of students without high school algebra

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**NURSING**

**NUR 201 PERSONAL AND PROFESSIONAL GOALS IN HEALTH CARE**

Every semester/2 hours

Introduces the relationships of nursing and related helping professions involved in health care from a basis of communication theory. The evolution of nursing practice education and professional organizations is discussed with emphasis on a personal decision for nursing. Students considering nursing or other helping professions are encouraged to explore unique opportunities for growth. Prerequisite: 30 hours or approval of instructor.

**NUR 202 FUNDAMENTALS OF NURSING**

Every semester/5 hours

Presents basic nursing care of the person with an acute illness requiring hospitalization. An application of the physical and social sciences,
NUR 402 ADVANCED MEDICAL
Surgical Nursing

NUR 401 COMMUNITY HEALTH NURSING

NUR 323 WOMEN'S HEALTH

NUR 304 MENTAL HEALTH NURSING

NUR 303 CONCEPTS OF MEDICAL-SURGICAL NURSING

NUR 302 PEDIATRIC NURSING

NUR 301 MATAHERLY NURSING

Sanmarion College of Nursing
NUR 403  NURSING LEADERSHIP AND MANAGEMENT  Every semester/6 hours
Presents purposes and methods of leadership styles and method 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, managerial interpersonal relations, education skills, budget and finance within organizations and common problems encountered in the professional 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, delivery systems, legislation, nursing trends, publications and change. Content includes: applications or research in nursing factors affecting health care, ethics, nursing manpower, professional writing and expanded roles for nurses. Prerequisites: NUR 401, 402.

NUR 498  SENIOR NURSING PRACTICUM  Every semester/3 hours
Provides a student directed choice to expand knowledge and skill in selected nursing specialties of interest. Faculty members assist students in planning, implementing and evaluating the learning experience. The practicum may include settings in nursing practice, nursing education or nursing administration. Prerequisites: NUR 401, 402.
DEPARTMENT DESCRIPTION

Through an agreement with Arizona State University, Grand Canyon College offers a four-year program of Air Force and Army ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University. Army ROTC students may also take any of the first two years of classes at one of the community college campuses.

The goal of this professional education is to provide the foundation of military knowledge and skills needed by the junior officers of the military service. Students may take ROTC credit in Aerospace Studies or Army Military Science.

AIR FORCE ROTC

Purpose

The Aerospace Studies curriculum consists of the General Military Course for freshmen and sophomores and the Professional Officer Course for juniors and seniors. Upon graduation, each student who satisfactorily completes the Professional Officer Course and Baccalaurate degree requirements will receive a commission as a Second Lieutenant in the Air Force Reserve.

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 (without a waiver).

General Qualifications

A formal application is not required for students entering the Four-Year Program. A student may register for the program at the same time and in the same manner as other courses. During their first two years, students enroll in the General Military Course (GMC) normally taking one Aerospace Studies course each semester. They may then compete for entry into the Professional Officer Course (POC), which is normally taken during the last two years of college. GMC students not on AFROTC scholarship incur no military obligation. They receive 2.0 semester hours of credit for each AES 100 and 200 class completed. The classes consist of one hour of academic instruction and one hour of Leadership Laboratory a week. Selection for the POC is based on a system that uses several factors to determine a student’s officer potential. This includes an Air Force aptitude test, a physical examination, and an interview board. Those students accepted into the POC attend a four-week summer field training encampment normally between their sophomore and junior years. Students enrolled in the POC (AES 300 and 400 classes)
Students should consult their high school counselors or an academic advisor on a year-by-year curriculum. Interested students must be a U.S. citizen pursuing one of the several selected academic majors and submit an application prior to the fall 2021 deadline for the four-year scholarships. All four-year scholarships are available on a first-come, first-served basis. Scholarships cover tuition, books, and other academic expenses. Nonresident students are also required to pay $1,000 per month for a maximum of 24 months of peace.
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.

### AEROSPACE STUDIES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES 101</td>
<td>AEROSPACE STUDIES</td>
<td>2 hours</td>
<td>Introduction to U.S. Air Force organization, mission, doctrine, offensive and defensive forces. One lecture, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 102</td>
<td>AEROSPACE STUDIES</td>
<td>2 hours</td>
<td>Background on strategic missile defense forces, general purpose and aerospace support forces in national defense. One lecture, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 201</td>
<td>AEROSPACE STUDIES</td>
<td>2 hours</td>
<td>Historical survey of events, trends, and policies leading to the emergence of air power through WW II. One lecture, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 202</td>
<td>AEROSPACE STUDIES</td>
<td>2 hours</td>
<td>Development of aerospace power from WW II to the present emphasizing the impact of limited war and technology on roles and missions. One lecture, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 301</td>
<td>AEROSPACE STUDIES</td>
<td>3 hours</td>
<td>An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication, and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer. Three lectures, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 302</td>
<td>AEROSPACE STUDIES</td>
<td>3 hours</td>
<td>Integrated management course emphasizing the individual as a manager in an Air Force milieu. Organizational and personal values, management of forces in change, organizational power, politics, managerial strategy and tactics. Military justice and administrative processes are discussed within the context of the military organization. Three lectures, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 401</td>
<td>AEROSPACE STUDIES</td>
<td>3 hours</td>
<td>Armed Forces as a technical element of society, with emphasis on the broad range of American civil-military relations; principles and techniques of communicative skills, the political, economic, and social constraints on the national defense structure. Three lectures, 1 hour Leadership Practical Application Lab.</td>
</tr>
<tr>
<td>AES 402</td>
<td>AEROSPACE STUDIES</td>
<td>3 hours</td>
<td>Formulation and implementation of U.S. defense policies; impact of technological and international developments on strategic preparedness in the overall defense policy-making processes. Three lectures, 1 hour Leadership Practical Application Lab.</td>
</tr>
</tbody>
</table>
of study. In addition, students will attend a two-week Army ROTC Summer Seminar on various topics related to military life. Upon successful completion of the seminar, students may be eligible to receive credit for the Advanced Course, which is offered during the summer months.

Qualifications

1. Successful completion of the first two years of the ROTC program, or equivalent credit from a similar program.

2. Passing the Army Physical Fitness Test (APFT).

3. Passing the ROTC Qualifying Examination.

4. A minimum cumulative grade point average of 2.0 (C) for the first two years of college work.

5. A minimum of 12 semester hours must be completed with a grade of C or better.

6. Completion of all required ROTC courses.

Purpose

The purpose of the ROTC program is to prepare students for a career in the military service. The program aims to develop leaders who are capable of taking charge in any situation, whether on or off the battlefield. Students who join the ROTC program will receive training in a variety of areas, including tactics, leadership, and military operations. The goal is to prepare students to be effective leaders in the military, as well as in other fields where leadership skills are valuable.
advanced summer camp at an Army post between their third and fourth years. Upon successful completion of the Advanced Course and requirements for a degree, they are commissioned as Second Lieutenants in the United States Army Reserve.

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, the Army physical examination, and must be selected by an interview board of Army officers. After successfully completing a five-week basic summer camp at an Army post (normally conducted during June and July), students may enroll in the Advanced Course. They then follow the same program and meet the same requirements as stated for Advanced Course students in the four-year program. Veterans and others with the equivalence of the first two years of ROTC may enter the two-year program without attending basic camp.

*Subsistence Allowance.* All contracted Advance Course students receive $100 per month during the academic year plus approximately $500 for Advanced Camp completion.

*Scholarships.* Grand Canyon students are eligible to apply for three-, two-, and one-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.

*One-Year Scholarships.* Available to qualified senior ROTC cadets.

*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.

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 Militarized System: Evolution of the U.S. Army; Selected Campuses
2 hours

ADVANCED MILITARY SCIENCE

MIS 401
Practical Application - 3-day Field Training Exercise
3 hours

MIS 402
Application for Applied Leadership: Command and Staff Roles of the branches of the Army, organization of the special and general staffs, and dynamics of military forces in combat operations
3 hours

ADVANCED MILITARY SCIENCE

MIS 301
Theory, organization, and dynamics of military forces in combat operations, and military geography: use of maps and aerial photographs, orientation, and
2 hours

LAND NAVIGATION

MIS 202
Land Navigation
2 hours

LEADERSHIP AND MANAGEMENT DEVELOPMENT

MIS 201
Leadership and Management, Force Management in Small Unit Leadership and Management, Resource Management in Small Unit Leadership
2 hours

METHODS OF INSTRUCTION

MIS 102
Methods of Instruction
2 hours

INTRODUCTION TO MILITARY SCIENCE

MIS 101
Organization and mission of the Army, the military and American Society
2 hours

MILITARY SCIENCE

Requirements

Active Duty

Students who desire to earn a graduate degree achieve duty for up to four years is available to outstanding graduates. The degree is awarded to their basic three-year commitment. A delay from call to commission has additional amounts of time added to those students who receive an Army career and receive a Regular Army commission. Scholarships students and those students who are deferred from active duty for up to three years of active duty depending on type of the basic requirements of active duty RFTC. May spend from three months to a year of an Army recruit during attendance at the basic
MIS 402 ADVANCED MILITARY SCIENCE
Selected campaigns and leaders from 1917 to the present; U.S. position in
the contemporary world and its impact on military command and
management; career planning and personal affairs. **Prerequisites:** MIS 401.
**Two lectures, 1 hour Leadership Practical Application.**
BOARD OF TRUSTEES 1982-83

Three Year Term expiring 1984:  
Rev. Amos V. Coffey  
Rev. Steve Dale  
Rev. Tom Foster  
Mr. David Groseclose  
Mr. Tom Holland  
Rev. Frank Jackson  
Mr. Darrel Lewis  
Dr. Johan Parks  
Mr. Maurice Pewitt  
Mr. Doug Powell

One Year Term expiring 1982:  
Mr. Eugene Anderson  
Rev. Dennis Daniel  
Mr. Don Eshelman  
Dr. Fred Heiserman  
Dr. Wayne North  
Dr. E. Harlin Staires  
Mr. Archie Stephens  
Mr. Vernon Walker  
Mr. Robert R. Whiteaker

Two Year Term expiring 1983:  
Mr. L.E. "Sharky" Baker  
Dr. Oran Jack Brown  
Mrs. Maude Dabney  
Rev. John Davis  
Mrs. Verlyne Meck  
Mr. Henry Ong  
Mrs. Rae Spitter  
Mr. Burton Tingle  
Mr. Lloyd Vaughn  
Mr. Terry Wong

Ex-Officio  
Dr. Jack Johnson, Executive Director-Treasurer, ASBC  
Rev. Charles Pollard, President ASBC

ADMINISTRATION

President  
B.S., Grand Canyon College/M.A. in Ed., Arizona State University/
M. A., University of Illinois/Ed.D., Arizona State University/Additional
Graduate Study: Arizona State University and Utah University

Executive Vice President  

Senior VP for Institutional Advancement  
B.A., Baylor University/M.R.E., Southwestern Baptist Theological
Seminary/Ph.D., Arizona State University

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 for Development  
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.
B.S.N., M.S.N., University of Pennsylvania/ Doctoral Candidate, Baylor
College of Medicine/University of Houston

Dean of Students/ Director of Placement  
Treva K. Gibson, B.A., M.Ed.
B.A., Southern Illinois University/M.Ed., University of Missouri/Doctoral
Studies, Arizona State University
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Paul Furrer</td>
<td>Groundsman</td>
</tr>
<tr>
<td>Mike French</td>
<td>Secretary to the Business Manager</td>
</tr>
<tr>
<td>Sharon Elsey</td>
<td>Secretary to the Librarian</td>
</tr>
<tr>
<td>Gary Edge</td>
<td>Computer Programmer</td>
</tr>
<tr>
<td>Steve B.</td>
<td>B.S., Grand Canyon College</td>
</tr>
<tr>
<td>Dan Conway</td>
<td>B.S., Daniel Conway College</td>
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<tr>
<td>Diane Childers</td>
<td>B.A., University of Arizona</td>
</tr>
<tr>
<td>Laura Rawley Cervoske</td>
<td>B.A., Grand Canyon College</td>
</tr>
<tr>
<td>Mary Carroll</td>
<td>B.A., University of Arizona</td>
</tr>
<tr>
<td>Toby Carson</td>
<td>B.A., Grand Canyon College</td>
</tr>
<tr>
<td>Beth Brown</td>
<td>Executive Vice President</td>
</tr>
<tr>
<td>Mary Bond</td>
<td>Executive Assistant to the President</td>
</tr>
<tr>
<td>Beth Eleccion</td>
<td>Assistant to the Register</td>
</tr>
<tr>
<td>David Bellenger</td>
<td>Director of Athletic Director</td>
</tr>
<tr>
<td>Terry Miller</td>
<td>Director of Physical Plant</td>
</tr>
<tr>
<td>Joyce Parker</td>
<td>Director of Annual Funds</td>
</tr>
<tr>
<td>Carole Steenland</td>
<td>Director of Development Student</td>
</tr>
<tr>
<td>John Weller</td>
<td>Director of Financial Aid</td>
</tr>
<tr>
<td>Don Wilson</td>
<td>Director of Admissions</td>
</tr>
<tr>
<td>David Rhein</td>
<td>Librarian</td>
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<tr>
<td>Elan Sillers</td>
<td>Coach</td>
</tr>
<tr>
<td>Jay Amore</td>
<td>Coach</td>
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<tr>
<td>Ron Brown</td>
<td>Business Manager</td>
</tr>
<tr>
<td>Barry Thompson</td>
<td>Registrar</td>
</tr>
<tr>
<td>Bill Eeles</td>
<td>Athletic Director</td>
</tr>
</tbody>
</table>

**Personal 197**
Mrs. Clara Gilmore, B.S. ........................................ Nurse
B.S., Grand Canyon College

Mrs. Carol Greenwalt ........................................ Credit and Collections Coordinator

Mr. Gary Gregory ........................................ Journeymen Carpenter

Mrs. Ann Grimm, B.S., M.A. .............................. Assistant Librarian
B.S., Grand Canyon College/M.A., Arizona State University

Mr. Ben F. Harris ........................................ Custodian

Mr. Joe Harris, B.B.A., M.B.A. .......................... Assistant Financial Aid Director
B.B.A., Baylor University/M.B.A., Texas Christian University/Additional
Graduate Study; University of Oklahoma, University of Tulsa, Arizona State
University, Southwest Baptist Theological Seminary

Mrs. Caron Hatch ........................................ Secretary in Development

Mr. Loyd Hester ........................................ Purchasing Agent

Mr. Joe Hevener ........................................ Cook

Mrs. Pamela Hill, B.A. ........................................ Secretary to the Academic Dean
B.A., Grand Canyon College

Mrs. Jo Hodges ........................................ Head Periodicals

Mr. Mike Holder, B.S. ....................................... Admissions Counselor
B.S., Grand Canyon College

Mrs. Dianne Houghton, C.P.A., B.S. .................. Comptroller
B.S., Arizona State University

Mrs. Mary Johnson ........................................ Associate Registrar

Mrs. Fan Meredith, B.A. ................................ Alumni Secretary
B.A., Grand Canyon College

Mr. Kendrick Miller ...................................... Head Groundsman

Mr. Ted Miller ........................................ Apprentice Carpenter

Mr. Burke Moser ........................................ Custodian

Miss Michal O’Brien, B.F.A. ............................. Budget Control Clerk
B.F.A., West Texas University

Mrs. Gloria Powers ...................................... Secretary in the Athletic Department

Miss Cathy Pugh ........................................ Director of Resident Life

Mr. Kim Reeves .......................................... Electrician

Miss Julie Roberts ...................................... Cafeteria Server

Mr. George Rogers ...................................... Antelope Press Director

Mrs. Joan Rolfe, B.S. ...................................... Academic Counselor
B.S., Grand Canyon College

Mrs. Carrie Sattler ...................................... Secretary/Typesetter

Mr. David Shade .......................................... Assistant Manager of Cafeteria

Mrs. Gail Skeens ...................................... Secretary to the Dean of Nursing

Mr. Carl Snider .......................................... Head Custodian

Mrs. Nancy Snider ...................................... Director of Women’s Dorm

Mrs. Linda Swalley ...................................... Bookstore Manager

Mr. Ralph Swalley ........................................ Food Service Director

Mrs. Marti Toon .......................................... Executive Secretary to the Senior Vice President

Miss Jana Turley ........................................ Secretary/Receptionist in Student Development

Mrs. Sybil Utterback .................................. Chief Accountant

Mrs. Sharon Zimmerman ................................ Secretary in Admissions
FACULTY

199

Personnel
B.A., Grand Canyon College/M.A., Arizona State University/M.Div.,
Midwestern Baptist Theological Seminary/Additional Graduate Study:
Arizona State University, University of Arkansas

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<td>Jenny Estes</td>
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