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.

Registration of students by this institution requires the submission of records which show all educational records of students already enrolled in the institution. The policy is also printed in the course of the Act to be used by the institution for compliance with the provisions of the Act. The procedures for the use of the institution for compliance with the provisions of the Act are explained in detail in the procedures for the use of the institution for compliance with the provisions of the Act.

The College is open to academic, religious, and moral goals, as well as educational excellence. It offers baccalaureate degree programs in a Christian liberal arts college. As such, Grand Canyon College is a member of the North Central Association of Colleges and Secondary Schools.

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

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

General Policy, Gifts and Endowment,
Legal Matters

Academic Matters, Faculty, Curriculum,
and Program
Admissions, Catalog
Expenses, Financial Arrangements,
Student Employment on Campus
Student Employment off Campus
Tuition Grants for Ministerial Students
Dormitories and Housing

Fund Development
Estate Planning

Associated Students, Student Publications
Publicity Materials
Teacher Education
Veterans' Affairs
Summer School
Alumni Affairs

President of the College
Academic Dean
Registrar
Director of Financial Aid
Director of Placement
Director of Financial Aid
Dean of Students,
Administrative Assistant
Vice President for Planning
& Development
Dean of Students
Director of Public Relations
Director of Teacher Education
Director of Financial Aid
Academic Dean
Director of the Alumni Association

INFORMATION FOR VISITORS

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

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

### 1984

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<th><strong>MARCH</strong></th>
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### Summer Sessions

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<thead>
<tr>
<th><strong>1985</strong></th>
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<tr>
<td>June 7-</td>
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<td>Aug 15-</td>
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### Fall Semester

<table>
<thead>
<tr>
<th><strong>1984</strong></th>
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<tbody>
<tr>
<td>Aug 31</td>
<td>Aug 26</td>
</tr>
<tr>
<td>Sept 3</td>
<td>Dormitories open for new students Aug 26</td>
</tr>
<tr>
<td>Sept 3</td>
<td>Labor Day — evening classes meet Sept 2</td>
</tr>
<tr>
<td>Sept 4</td>
<td>Conferences, placement tests, and orientation for new students Aug 27</td>
</tr>
<tr>
<td>Sept 4</td>
<td>Registration for seniors, 5th year, Second degree, Juniors, and Sophomores Aug 27</td>
</tr>
<tr>
<td>Sept 5</td>
<td>Registration for Sophomores, Freshmen and unclassified Aug 28</td>
</tr>
<tr>
<td>Sept 6</td>
<td>Instruction begins, day and evening classes Aug 29</td>
</tr>
<tr>
<td>Sept 6, 10, 11</td>
<td>Evening registration Aug 29</td>
</tr>
<tr>
<td>Sept 17</td>
<td>Last day to register for credit Sept 9</td>
</tr>
<tr>
<td>Oct 26</td>
<td>Records close for mid-term Oct 18</td>
</tr>
<tr>
<td>Oct 29</td>
<td>Mid-term grades reports due by noon Oct 21</td>
</tr>
<tr>
<td>Nov 5</td>
<td>Founder’s Day (Monday) Nov 4</td>
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<tr>
<td>Nov 8</td>
<td>Final Exams (5th period MWF on Dec 7) Oct 31</td>
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<tr>
<td>Nov 8</td>
<td>Last day to drop courses without penalty Oct 31</td>
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<tr>
<td>Nov 12</td>
<td>Veteran’s Day (day classes only) Nov 11</td>
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<tr>
<td>Nov 22</td>
<td>Thanksgiving Holidays Nov 28-30</td>
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<td>Dec 21</td>
<td>Grade reports due by noon Dec 23</td>
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<td>Dec 21-Jan 2</td>
<td>Christmas Holidays Dec 20-Jan 2</td>
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### Student Teaching

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<tr>
<td>Sept 6</td>
<td>Education Block classes begins Aug 29</td>
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<td>Sept 12</td>
<td>Last day to register for Education Block courses Sept 5</td>
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<tr>
<td>Sept 21</td>
<td>Last day to drop Education Block courses without penalty Sept 16</td>
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<tr>
<td>Oct 10</td>
<td>Education Block courses end Oct 3</td>
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<tr>
<td>Oct 15</td>
<td>Fall Student Teaching begins Oct 7</td>
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<tr>
<td>Dec 18</td>
<td>Fall Student Teaching ends Dec 13</td>
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<td>May</td>
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**Student Teaching**

- **Communication** 7 p.m. May 24
- **Graduation Service** 10 a.m. May 24
- **Final Examinations** (1st period) May 24-25
- **Good Friday (no class)** May 28
- **Good Friday** (no class) April 19
- **Last day to drop courses** May 22
- **Midterm grades due** by noon May 24
- **Records close for midterm** May 21
- **Last day to register for credit** Feb. 3
- **Evening Registration begins** Jan. 30
- **Registration for seniors** Jan. 9
- **Registration for juniors** Jan. 25
- **Registration for new students** Jan. 28
- **Evening Registration for new students** Jan. 21
- **Spring Semester**
- **January Term**
- **Dec. 25**
- **Jan. 2**
- **Jan. 3**
- **Jan. 4**
- **Jan. 5**
- **Jan. 6**
- **Jan. 7**
- **Jan. 8**
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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 all degrees, and opportunities for faith discussion groups and participation in Christian student organizations. The College also supports off-campus Christian organizations and encourages students to participate in these activities.
FACULTY

The College Preservation Board, in accordance with policies established by the Board of Trustees of the College, shall have the power to make all rules and regulations necessary for the proper conduct of the College and to enforce such rules and regulations. The College Board of Trustees is empowered to adopt, amend, and rescind any rules and regulations necessary for the proper conduct of the College. The Board of Trustees is also empowered to establish and maintain any rules or regulations necessary for the proper conduct of the College, and to enforce such rules and regulations.

GOVERNING BODY

The governing body of the College shall consist of the President of the College, the Vice President, the Treasurer, and the Secretary. The Board of Trustees is also empowered to establish and maintain any rules or regulations necessary for the proper conduct of the College, and to enforce such rules and regulations.

The College, in accordance with the policies established by the Board of Trustees, shall have the power to make all rules and regulations necessary for the proper conduct of the College and to enforce such rules and regulations.
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, personal-

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 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 58.)

TEACHER EDUCATION

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

All requirements for an elementary, special education, or secondary teaching certificate may be met at Grand Canyon College. The teacher education curriculum is described on pages 92 to 95.

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
Comprehensive Training Center

The Computer Center provides academic programs and information on admission in various fields, including:

- Medical and Social Sciences
- Pre-Medical education
- Humanities and Social Sciences

Students interested in pursuing a career in these fields should contact the Department of Natural Sciences to complete the required coursework and obtain the necessary background in these areas.

Successful applicants to professional schools must

- Complete a Bachelor of Science in Nursing degree at the College
- Apply to the College's Nursing Program
- Meet prerequisite requirements for admission to professional schools

The College offers courses which meet or exceed the requirements of the Department of Natural Sciences, thereby allowing students to demonstrate their preparedness for professional study in the field of Nursing.
EVENING CLASSES

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

JANUARY TERM

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

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

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

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

Three semester hours of credit are given for the January Term. Regular tuition rates are charged plus a $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 Fifth Year teacher training program may enroll for six hours of elementary, special education or secondary student teaching during the summer session if the public or private schools are also in session. Prerequisites: all the courses listed for Elementary, Special, or Secondary certificate programs as outlined in the Department of Education, except Student Teaching.
For the new college and Grand Canyon Convent, chose President as the site of the Executive Board of the College. On March 4, 1947, college Arizona Southwestern, now the Arizona College, took over the Baptist General Convention of the West. Given to the annual sessions of the Baptist Convention, the College was chartered in 1949, and began operation with the Fall Semester, 1949.

The first definite step was toward founding Grand Canyon College. The following men have served as President of the College:

- William R. Williams, 1977-78
- Dick R. Hinton, 1973-77
- Arthur K. Tyson, 1966-72
- Eugene N. Patterson, 1959-65
- Glenn Eason (acting president), 1958-59
- Lloyd R. Simmons, 1955-58
- Glenn Eason (acting president), 1954-55
- B.O. Helming, 1952-54
- Frank Sinton (acting president), 1952
- Leroy Smith, 1950-52
- William J. Ray, 1949-50

HISTORICAL SKETCH

1. Official Evaluation form from the State Department of Education.
2. Passing of the Basic Skills Component of the Arizona Education Project Examination (ATPE).
3. Completion of 12 hours in residence at Grand Canyon College.
4. Maintenance of 2.5 GPA at Grand Canyon College.
5. All students must complete regular matriculation requirements with the Registrar's Office before entering the Teacher Education Program. Elementary Education to be selected from EED 322, 343.

For more information, please contact the Education Department at Grand Canyon College.
The Fleming Library, a two-story, red brick building, is arranged so as to provide a desirable atmosphere for study and immediate access to all materials. The library and the Fleming Classroom Building, the first permanent dormitory wing, were constructed in 1957. A gymnasium and a classroom building were added to the campus in 1958. The library was constructed in 1957. A gymnasium and the Fleming classroom building. The library was constructed in 1957. A gymnasium and the Fleming classroom building.

The library and the Fleming Classroom Building, the first permanent dormitory wing, build the Health Center, the first permanent dormitory wing, into the Fleming Library, originally designed to provide a desirable atmosphere for study and immediate access to all materials. The library was constructed in 1957. A gymnasium and the Fleming classroom building were added to the campus in 1958. The library was constructed in 1957. A gymnasium and the Fleming classroom building.

The campus is composed of a medical center, the Student Center, and the Student Center. The medical center is located in the Medical Center. The Student Center is located in the Student Center. The medical center is located in the Student Center.

The Student Center is located in the Student Center. The medical center is located in the Student Center. The medical center is located in the Student Center.

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collection contains over 120,000 books and bound periodicals. Approximately 700 magazines and journals are received currently.

In 1979 the library received a donation of 40,000 volumes from the library of the now defunct Prescott College, Prescott, Arizona. This library was a gift of Dr. Robert I. Schattner, Washington, D.C. The collection is strongest in the areas of the social and behavioral sciences and literature and increased the holdings of Fleming Library by one-half.

There are over 3,000 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 1,800 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 use by students.

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, 1981 and 1982, 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.

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

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

East Kaibab Hall, named for Kaibab Forest, was completed in 1963. An addition, Kaibab West, was
This building serves as a small auditorium for lectures, plays, concerts, and recitals.

Peter and Anna Ethington

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

eight classrooms and five offices for faculty members.

The Fleming Building, completed in 1963, contains

faculty members.

care for the most common medical needs of students and office, and a reception room. It is adequately equipped to contain a doctor's office, two treatment rooms, a nurse's room, and a lab. The building is named in honor of a former College Physician.

The driving force behind Bright Angel Hall was the raising of funds for the Health Center. Elected in 1960, it is

The alumnae association of the College sponsored the

Hall, housing 32 women.

Another modular unit, Menloosa, built behind Bright Angel

Weidener, late of Webster University, and his wife, Helen, were

The Weidener Dormitory was completed in 1961. This

students.

Bright Angel Hall and has a total capacity of 118 men

completed in 1967. The combined facility is comparable to
Tell Science Building

The Tell Science Building was completed in 1977. Initial funds for construction of this very modern and complete facility were furnished through the generosity of Mr. and Mrs. Andrew P. Tell and the Tell Foundation of Phoenix. The building is completely equipped for laboratories in biology, chemistry, physics, and environmental science.

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

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

COLLEGE PUBLICATIONS

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

Canyon Highways is published by the College for the purpose of presenting the activities of alumni, faculty, staff members, and students; improvements and additions to the campus; and other items of interest to schools, libraries, churches, alumni, parents of students, and other friends of the College.

ALUMNI ASSOCIATION

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

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

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

Students may not receive 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*

*Figures are for the Fall semester 1984 and are subject to change.

<table>
<thead>
<tr>
<th>Academic Year, Including Evening School</th>
<th>Tuition, per semester hour</th>
<th>$ 83.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Audit fee, per semester hour (Scholarships do not apply).</td>
<td>41.00</td>
</tr>
<tr>
<td></td>
<td>General fee</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9 hours or more, per semester</td>
<td>55.00</td>
</tr>
<tr>
<td></td>
<td>8 hours or less (parking included), per semester hour</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>Parking fee, September 1 through August 31</td>
<td>25.00</td>
</tr>
<tr>
<td></td>
<td>Room (2 persons to a room)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fall semester</td>
<td>350.00</td>
</tr>
<tr>
<td></td>
<td>Spring semester</td>
<td>350.00</td>
</tr>
<tr>
<td></td>
<td>Weidenaar Dorm</td>
<td>325.00</td>
</tr>
<tr>
<td></td>
<td>January Term</td>
<td>80.00</td>
</tr>
<tr>
<td></td>
<td>Weidenaar Dorm (Jan. Term)</td>
<td>75.00</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></td>
<td>Board (Jan. Term)</td>
<td>120.00</td>
</tr>
<tr>
<td></td>
<td>Meals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Option 1 (approximately)</td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td>Option 2 (approximately)</td>
<td>555.00</td>
</tr>
<tr>
<td></td>
<td>Option 3 January Term</td>
<td>665.00</td>
</tr>
<tr>
<td></td>
<td>Tuition and all fees, per semester hour</td>
<td>$ 41.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Center For Biblical Studies Summer School</th>
<th>Tuition, per semester hour (Scholarships do not apply)</th>
<th>$ 83.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Audit fee, per semester hour (Scholarships do not apply).</td>
<td>41.00</td>
</tr>
<tr>
<td></td>
<td>General fee, per 5-week term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Parking fee, June 1 through August 31</td>
<td>5.00</td>
</tr>
<tr>
<td></td>
<td>Room, per term</td>
<td>110.00</td>
</tr>
<tr>
<td></td>
<td>If taking 6 hours or more</td>
<td>80.00</td>
</tr>
<tr>
<td></td>
<td>Room, per week</td>
<td>25.00</td>
</tr>
<tr>
<td></td>
<td>Board, per term</td>
<td>125.00</td>
</tr>
</tbody>
</table>
MISCELLANEOUS FEES

Return

The student's course of study, written application may be made for.

During the previous semester, upon completion of all required, the deposit
$10 balance if a charge has been made against the deposit
$50 semester the student must return the balance on file in the
semester to the student unless the student requests the change of deposit to the
semester. It is subject to change for property loss or damage.

Breakage deposit or violation of rules in any classroom, laboratory, or the
breakage of equipment, is subject to charge for property loss or damage.

This deposit applies to all students taking further hours or more and

Residence deposit

By Augusta 1, for the fall semester or by January 1 for the spring

Refunded if the information noted to enroll is known to the College

Financial Information
### SPECIAL CLASS FEES

<table>
<thead>
<tr>
<th>Class</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independent Study (includes Reading &amp; Conference courses, Practicums)</td>
<td>$20.00</td>
</tr>
<tr>
<td>January Term</td>
<td>$20.00</td>
</tr>
<tr>
<td><strong>Art</strong></td>
<td></td>
</tr>
<tr>
<td>AR 243 Photography I</td>
<td>$30.00</td>
</tr>
<tr>
<td>AR 343 Photography II</td>
<td>$30.00</td>
</tr>
<tr>
<td>All other Art Classes</td>
<td>$20.00</td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td></td>
</tr>
<tr>
<td>EDU 103/113 Reading Skills for Success in College</td>
<td>$20.00</td>
</tr>
<tr>
<td>EED 326/328/480, SED 326/328/480. SPE 408/418 Student Teaching (per semester hour)</td>
<td>$10.00</td>
</tr>
<tr>
<td>EDU 363 Audiovisual Materials &amp; Methods</td>
<td>$25.00</td>
</tr>
<tr>
<td>Student Teaching with 25-50 miles</td>
<td>$50.00</td>
</tr>
<tr>
<td>Student Teaching outside of Maricopa County</td>
<td>$100.00</td>
</tr>
<tr>
<td><strong>Music Department and Performing Arts</strong></td>
<td></td>
</tr>
<tr>
<td>MAP 390, MUS 300 Junior Recital</td>
<td>$20.00</td>
</tr>
<tr>
<td>MAP 490, MUS 400 Senior Recital (B.A.) (full)</td>
<td>$90.00</td>
</tr>
<tr>
<td>MAP 400 Senior Recital (B.S.) (short)</td>
<td>$20.00</td>
</tr>
<tr>
<td>GTR All one hour classes</td>
<td>$90.00</td>
</tr>
<tr>
<td>GTR All two hour classes</td>
<td>$110.00</td>
</tr>
<tr>
<td>MED 211/221/231</td>
<td>$5.00</td>
</tr>
<tr>
<td>MED 232/241/251/262</td>
<td>$15.00</td>
</tr>
<tr>
<td>MUS 353 Opera Workshop</td>
<td>$35.00</td>
</tr>
<tr>
<td>ORG 111/121 Class lessons</td>
<td>$25.00</td>
</tr>
<tr>
<td>ORG 131/331 Private lessons</td>
<td>$90.00</td>
</tr>
<tr>
<td>ORG 132/332 Private lessons</td>
<td>$110.00</td>
</tr>
<tr>
<td>PNO 111/113/121 Class lessons</td>
<td>$25.00</td>
</tr>
<tr>
<td>PNO 131/331 Private lessons</td>
<td>$60.00</td>
</tr>
<tr>
<td>PNO 132/332 Private lessons</td>
<td>$110.00</td>
</tr>
<tr>
<td>VOI 111/121 Class lessons</td>
<td>$25.00</td>
</tr>
<tr>
<td>VOI 131/331 Private lessons</td>
<td>$90.00</td>
</tr>
<tr>
<td>VOI 132/332 Private lessons</td>
<td>$110.00</td>
</tr>
<tr>
<td><strong>Nursing</strong></td>
<td></td>
</tr>
<tr>
<td>NUR 202</td>
<td>$12.00</td>
</tr>
<tr>
<td><strong>Physical Education Department</strong></td>
<td></td>
</tr>
<tr>
<td>PE 101 Swimming</td>
<td>$12.00</td>
</tr>
<tr>
<td>PE 201 Bowling</td>
<td>$15.00</td>
</tr>
<tr>
<td>DR 303 Driver Education</td>
<td>$20.00</td>
</tr>
<tr>
<td><strong>Natural Science and Mathematics</strong></td>
<td></td>
</tr>
<tr>
<td>Science Lab fee (for each lab course)</td>
<td>$25.00</td>
</tr>
<tr>
<td>CS 480 Readings in Current Literature</td>
<td>$20.00</td>
</tr>
<tr>
<td>CS Computer Usage fee</td>
<td>$25.00</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
</tr>
<tr>
<td>All Audio-Visual Classes</td>
<td>$25.00</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. Students have the right to withdraw from the insurance program during the first week of classes only.
The minimum charge for any day
of the business Office with the
business Office is not open. The
Business Office is open on Sunday of a day
when school is not in session. The
students attending classes,
student must attend class.
$10 per night if the
student withdraws from school is
$5 per night.

If a student withdraws from school because of sickness or
other unavoidable cause approved by
the administration, his expenses are
refundable according to the schedule
for refundable on application for
refundable for

REFUNDS

Guest, members of the family, and
individuals by the campus, and
Christmas and Spring
Vacations, and Thanksgiving,
the fall and winter terms.
The fall and winter terms
is $75 per night. For two people in
the guest room, $10 per night.

ROOM AND BOARD

All students living in the college
will be charged for student insurance
continues until next year. No
Insurance is required for
students attending classes,
and taking courses for credit.
Financial Information 25
REFUND SCHEDULE

Fall and/or Spring Semester and Evening School refunds

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

Fees

Fees are not refundable after the first week of classes.

Room and Board

Minimum dormitory rental charge .................. $ 100.00
Residence between two and three weeks ......... 60% of charge
Residence between three and four weeks .......... 40% of charge
Residence between four and five weeks .......... 20% of charge
After five weeks .................................. No refund

No refunds given without proper dorm checkout form.

January Term refunds

Tuition

Full refund of tuition & fees through second day of classes.
January, third day of classes ..................... 75% of total tuition
January, fourth day of classes .................... 50% of total tuition
January, fifth day of classes ..................... 25% of total tuition
January, after first week of classes ............. No refund

Room

Minimum charge—January withdrawal ................ $ 40.00

Board

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

Summer School refunds

Tuition

Registration without attendance (minimum charge) $ 10.00
Attendance 1-3 days ................................ 75% of tuition
Attendance 4-5 days ................................ 50% of tuition
Attendance 6-7 days ................................ 25% of tuition
After 7 days ........................................ No refund

Fees

Fees are not refundable after the first week.

Room and Board

Residence 1-3 class days ........................... 75% of charge
Residence 4-5 class days ........................... 50% of charge
Residence 6-7 class days ........................... 25% of charge
After 7 days ........................................ No refund

No refund is given without a proper dorm checkout form.

FINANCIAL AID AND EMPLOYMENT

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

Both traditional and non-traditional students may be eligible to receive assistance under more than one program. The Office of Student Financial Aids and Scholarships treats all students equally in the awarding of grants, loans, and work-study following the institutional scholarships and meritiorious departmental awards.

Students who file their financial aid applications by May 15 of their first year are usually eligible for scholarships.
PART-TIME EMPLOYMENT AND WORK STUDY

Financial aid is available to students who apply for summer sessions.

Financial aid must be at the time the aid is offered by a financial aid office and may be subject to the availability of funds. The summer session is an unique academic unit during the academic year of enrollment for a minimum of twelve

Every effort is made to assist a student in obtaining part-time employment. Under ordinary circumstances, a student who plans to work should have enough money to work at the same time. A student should talk to the Office of Financial Aid and Scholarships at the Financial Aid Office.

The Financial Aid & Scholarships Office is in Building Three. A student who is interested in part-time employment should contact the Office of Financial Aid and Scholarships at the Financial Aid Office.

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PLACEMENT SERVICES

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

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

All correspondence should be addressed to the Director of Placement Services. There is a $15 fee for compiling an initial placement file, and a $10 reinstatement fee for updating an existing file after 12 months to keep it active.

MINISTERIAL GRANTS

Grant Provisions. The source of these grants is the Cooperative Program of the Arizona Southern Baptist Convention (ASBC). The maximum grant per student is $2,000, except pastors. The formula for grant distribution is 35% of the tuition fee, except pastors, whose grant is 100%. These regulations are established by ASBC. (Students who are pastors must be pastoring a Southern Baptist Church within the first half of the semester to be eligible. There is no penalty for changing pastorates.)

Recipients. 1) Mission Volunteers — Students who are training for work 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 Denomina-
tional Cooperation Committee of ASBC.

Qualifications (Home Church Endorsement). A 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 a 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.
STUDENT LOANS—LONG TERM

Repayment terms:

- Guaranteed Student Loans: Repayment terms are determined by the federal government, and proceeds are disbursed to the student directly.
- Direct Student Loans: Repayment terms are determined by the lender, and proceeds are disbursed to the student directly.

For more information, please contact the financial aid office at your university.

Guidelines for Repayment:

- Direct Loans: Repayment terms are determined by the lender, and proceeds are disbursed to the student directly.
- Guaranteed Student Loans: Repayment terms are determined by the federal government, and proceeds are disbursed to the student directly.

For more information, please contact the financial aid office at your university.

National Direct Student Loans

National Direct Student Loans are available to students who meet federal regulations, as well as state and institutional regulations. These loans are designed to provide financial assistance to students pursuing higher education.

Eligibility:

- Undergraduate students
- Must be enrolled at least half-time
- Must maintain a good academic standing

Loan Limits:

- Undergraduate students: $5,500 per year
- Graduate students: $12,000 per year

Repayment Options:

- Standard Repayment: 10 years
- Graduated Repayment: 10-30 years
- Income-Based Repayment: Based on income and family size

For more information, please contact the financial aid office at your university.

Financial Information

Phone: 123-456-7890
Email: info@example.com
agencies. A student may apply for this loan if they are making satisfactory progress toward graduation or are admitted to college. The student may qualify for up to $2500 if the financial aid being received by the student does not exceed school expenses. Repayment begins (6) six months after the student ceases to be at least a half-time student and is made to the lending agency which made the loan. The current interest rate of (8%) eight percent begins at the time the repayment period starts.

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

**Doughterty Foundation Loans/Grants.** Selection based on academic achievement and/or financial need. Loans at (5%) five percent interest. Repayments commence following graduation. Scholarship assistance may be available with loan. Foundation application is available for SFAS for Arizona residents.

**SHORT TERM LOANS**

Numerous loan funds administered by the College Business Office are available. A student may be permitted to make a note payable to the College. All College loans exceeding $100 may require a cosigner, regardless of whether the student has reached the age of 19.

**Adair Loan Fund.** This fund, made available by Mr. and Mrs. Oliver Adair, is restricted to freshman men or women with grade averages of "C" or above. Interest is 6% per annum after the borrower terminates connection with Grand Canyon College.
needs.

Education (AWARED) adult women’s adult return to

AWARED loan Fund. This, an anonymous contributor established a

Finacial information 31
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. Lee 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

SCHOLARSHIPS, GRANTS, AND GRANTS-IN-AID

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

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

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

No renewals are automatic. Applications for all scholarships and all kinds of grants, including renewals, must be filed with the Director of Financial Aid by March 15 for the coming academic year (September to May).

members of the faculty for emergency needs is open to any approved student for a maximum of $25. No interest is charged if the loan is paid by maturity.

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

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

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

Academic Scholarships

Academic scholarships for $1100 per year are available in limited number to freshmen during the year following high school graduation, provided they ranked in the upper 10% of their classes in high school. Students with composite ACT percentile of 95 or higher for college bound students, or top ranking finalists in the National Merit Scholarship program, may also qualify. These scholarships are renewable for the full four years of college, provided a "B" average is
Music Scholarships

Music scholarships are awarded in music performances each school year. Recipients of such scholarships are expected to participate in musical performances. In order to qualify, a student must be at least a junior and be majoring in music.

Personal

Confidence in the teaching achievement of the department is an important factor in the selection of departmental teaching assistants. Each full-line member of the teaching faculty being selected to serve as a teaching assistant for the year is required to submit a satisfactory Departmental Fellowship application. Various departments select qualified students who are expected to

Special Abilities

The stipend is $50 per semester. Students who achieve the cumulative and complete a proper application may be renewed with a proper college major or minor in the department in which they are employed. The college major or minor may be renewed with an overall GPA of 3.50.

Student Honors Scholarships

Student Honors Scholarships are available to students who maintain a GPA of 3.50 per year and are awarded to students who transfer from other institutions in which they are employed. The amount of $500 per year is available for students who maintain a GPA of 3.50 per year and are awarded to students who transfer from other institutions in which they are employed.

Financial Information
Grants-in-aid

A limited number of basketball, baseball, golf, and tennis grants-in-aid are made up to the amount of full tuition, depending upon availability of funds. Students who wish to apply for these will see or write to the instructor or faculty director of the activity.

ROTC Scholarships

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

Endowed Scholarships

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

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

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.

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 excellent character and citizenship and who show promise of doing effective teaching in the elementary grades.

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

The G.D. Crow Memorial Scholarship was established by Mrs. Hilton Jones Crow, family and friends in memory of this faithful Christian layman of Tucson. This endowed fund provides an annual award to a qualified speech major.

The Hilton Jones Crow Scholarship was initiated by Dr. Joyce Parker. It was endowed by friends and family. Earnings from the endowment is to aid gifted students, of junior status who must attain and maintain at least a 3.0 grade average, training for a ministry in history.
The McGraw Scholarship

The McGraw Scholarship is used to provide financial aid to students who have demonstrated academic excellence and financial need. The scholarship is available to both full-time and part-time students.

The Tom S. Kent Family

The Tom S. Kent Family Scholarship Fund was established by Tom S. Kent and friends in 1981. Following the death of their son, James, in 1977, Tom S. Kent and friends created this scholarship to help a needy student,

The William R. Hinte Memorial Scholarship

The William R. Hinte Memorial Scholarship was established by the Hinte family in 1977. The scholarship is available to both full-time and part-time students.

The Cameron-Chuimlin Scholarship

The Cameron-Chuimlin Scholarship is available to both full-time and part-time students and is funded by the Cameron-Chuimlin Foundation.

The Kerk and Mary Elmer Dines

The Kerk and Mary Elmer Dines Scholarship is available to both full-time and part-time students and is funded by the Kerk and Mary Elmer Dines Foundation.

The Ernest W. McGraw Scholarship

The Ernest W. McGraw Scholarship is available to both full-time and part-time students and is funded by the Ernest W. McGraw Foundation.

The Conrad W. McGraw Scholarship

The Conrad W. McGraw Scholarship is available to both full-time and part-time students and is funded by the Conrad W. McGraw Foundation.

The James W. McGraw Scholarship

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The James W. McGraw Scholarship

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

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

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

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

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

The Pickering Scholarship in Psychology is an endowed fund provided by Dr. and Mrs. Robert Pickering of Phoenix. The annual award to an upperclassman is based on Christian commitment, academic progress in psychology or the social sciences.
The director of financial aid, the supervisor of the financial aid office, and the president of the college are the ultimate authority over the distribution of financial aid.

Tuition Grants

Tuition grants are awarded by the Financial Aid Committee to students who have demonstrated need and who meet the academic requirements. The committee reviews all applications and awards grants based on need and academic achievement. Grants are available to full-time students who meet the eligibility requirements.

Supplemental Educational Opportunity Grants

Supplemental Educational Opportunity Grants are available to students who have unmet need and who meet the academic requirements. These grants are available to full-time students who meet the eligibility requirements.

The Helen Y. and Helena H. Roy Family Foundation Scholarship Fund

The Helen Y. and Helena H. Roy Family Foundation Scholarship Fund was established by Mr. and Mrs. Roy in memory of their parents, Helen Y. and Helena H. Roy. The fund provides scholarships to students who meet the eligibility requirements.

The A.L. Stoker Memorial Scholarship

The A.L. Stoker Memorial Scholarship is awarded to students who have demonstrated academic excellence and financial need. The scholarship is available to students who meet the eligibility requirements.

The Howard Rice Memorial Scholarship

The Howard Rice Memorial Scholarship is awarded to students who have demonstrated financial need and academic excellence. The scholarship is available to students who meet the eligibility requirements.

The American Society for Business and Organizations

The American Society for Business and Organizations provides scholarships to students who have demonstrated financial need and academic excellence. The scholarship is available to students who meet the eligibility requirements.

The James E. Carroll Chair of Women's Studies

The James E. Carroll Chair of Women's Studies is available to students who have demonstrated financial need and academic excellence. The chair provides research and travel opportunities for students who meet the eligibility requirements.

The Mack E. and Bonnie Jean Reagan Business Scholarship

The Mack E. and Bonnie Jean Reagan Business Scholarship is available to students who have demonstrated financial need and academic excellence. The scholarship is available to students who meet the eligibility requirements.

Financial information

Financial information may be obtained from the office of the registrar or the financial aid office. Students who have financial need are encouraged to apply for available scholarships. These scholarships are available to students who meet the eligibility requirements.

Endowment Scholarship Fund

The Endowment Scholarship Fund was established by Mr. and Mrs. A.L. Stoker in memory of their father, A.L. Stoker. The fund provides scholarships to students who meet the eligibility requirements.

The James E. Carroll Chair of Women's Studies

The James E. Carroll Chair of Women's Studies is available to students who have demonstrated financial need and academic excellence. The chair provides research and travel opportunities for students who meet the eligibility requirements.
President's Grant. The President of the College may recommend grants to qualified students, based on their need and potential.

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

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.

Work Grants

Work grants are available in publications, intramural sports, and dormitory assistants. Information can be obtained from the Office of Student Development on specific requirements and stipends available.
Tradition Events
Student Services
Physical Education
Activities
Student Publications
Recognitions
Honors and Special
Student Clubs
Organizations
Eligibility for Activities
Religious Life
Student Dress
Conduct
Statement of Principles

Student
STATEMENT OF PRINCIPLES

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

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

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

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

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

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 appropriate dress to work engaged in college pursuits. College academic and extracurricular activities and programs are intended to give students an understanding of the importance of personal and professional development and to foster a sense of community, while allowing students to express their individuality in an appropriate manner.

When a student does not meet the student dress codes, they may not participate in extracurricular activities, including sports, clubs, or other events. The dress code also applies to employees at the college.

The College of Education, College of Human Sciences, College of Humanities and Social Sciences, College of Liberal Arts, College of Natural and Health Sciences, College of Public Affairs, and College of Science and Technology have specific dress codes for students and employees.

The College of Education requires students to wear appropriate attire for all events, including classes, meetings, and events. The College of Humanities and Social Sciences requires students to wear appropriate attire for all events, including classes, meetings, and events. The College of Natural and Health Sciences requires students to wear appropriate attire for all events, including classes, meetings, and events.

The College of Public Affairs requires students to wear appropriate attire for all events, including classes, meetings, and events. The College of Science and Technology requires students to wear appropriate attire for all events, including classes, meetings, and events.

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The College of Public Affairs requires students to wear appropriate attire for all events, including classes, meetings, and events. The College of Science and Technology requires students to wear appropriate attire for all events, including classes, meetings, and events.
more detailed guidelines on dress, see the Student Handbook.

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

**RELIGIOUS LIFE**

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

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

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

**CHAPEL ATTENDANCE**

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

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

**ELIGIBILITY FOR ACTIVITIES**

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

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

**ORGANIZATIONS**

<table>
<thead>
<tr>
<th>Custody of Organization Funds</th>
<th>All student organizations are required to deposit their funds with the College Business Office. The College disburses funds when requested by the sponsor or the president or treasurer of the organization with the sponsor's approval.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Government</td>
<td>The membership of the Associated Students of Grand Canyon College includes all students registered for nine or...</td>
</tr>
</tbody>
</table>
Physical Education Majors Club

Chapter meetings and local activities of the club provide opportunities for professional development and for students to network and share ideas. The club also holds social events to provide opportunities for professional development.

International Students Organization (I.S.O.)

Provides a forum for international students to meet and interact with each other. The I.S.O. also sponsors cultural events and activities to promote understanding and appreciation of different cultures and traditions.

Music Educators National Conference (MENC)

Provides opportunities for professional development and networking for music educators. The conference includes workshops, panel discussions, and networking events.

National Honor Society

Provides opportunities for students to perform community service and to recognize excellence in academic achievement. The society also sponsors events and activities to promote community involvement.

Organizations, Clubs, and Religious Groups

Organizations, clubs, and religious groups provide opportunities for students to pursue their interests and passions. These groups may be focused on a particular subject or issue, and may provide opportunities for leadership and service.

Professional Clubs

Professional clubs provide opportunities for students to network with professionals in their field, to gain practical experience, and to learn about career opportunities. These clubs often sponsor events and activities that are relevant to the field.

Student Life

The Student Government Association (ASCC) is the official student organization at Grand Canyon University. The ASCC is composed of the Executive Council, the Student Senate, and the Associated Student Body (ASB). The ASCC is responsible for managing student affairs and for representing student interests to the university administration.

The ASCC is committed to providing opportunities for students to engage in extracurricular activities and to support their academic and professional goals. The ASCC sponsors a wide variety of clubs, organizations, and events, and provides resources and support for student leadership.

Students are encouraged to get involved in the ASCC and to actively participate in the decision-making process. The ASCC is an important part of the Grand Canyon University community, and students are encouraged to participate in its activities and to contribute to its success.
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.

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

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

**Women’s Recreation Association** seeks to provide a varied program of physical and social activities for all women students.
Ray-Madden Scholars. This literary, or cultural affairs are recognized.

Honors Day

Each year a day is designated for a special assembly and

Honors and Special Recognition

Honors Society for Freshman

Iota Phi is a scholastic and service college play production that

collaboration in courses leading

students engaged in courses leading

Students.' Membership is open to

and promote is to recognize and reward the

honors, Professional, and pre-medical in

cooperation and concerns between

is to encourage excellence in pre-

as a pre-medical society. Its purpose

Alpha Kappa Epsilon

College Affairs, and participation in

may qualify for membership in the

45

 SIGMA SIGMA PHI

SIGMA SIGMA PHI is an honor

Women's Honorary Society for Freshman

Honors and Honor Organizations
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 62.

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 64.

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.
spirit to such events as rallies and home ball games. Sports, music, and drama provide entertainment for the campus at various times and add to the overall enjoyment and appreciation of the campus atmosphere. Stage Band presents concerts and provide musical entertainment for special events. The Wind Ensemble, Jazz Ensemble, Orchestra, and other performing groups offer opportunities for students to develop musical abilities.

The Concert Choir is selected after audition. It presents public performances of major choral works. The Chapel Choir is open to all students with vocal ability.

Forensics and debate opportunities are available for students interested in public speaking, politics, and current events. The annual debate tournament is open only to students who enroll in the academic year-long debate course.

The Recreation Center is open during the academic year and provides activities such as basketball, volleyball, and ping pong. Pool, pool, and other table sports are also available. Softball, tennis, and swimming are available during the academic year.

The GRAND CANYON National Monument and the GRAND CANYON National Park are two of the many attractions in the area. The park includes such activities as hiking, camping, and picnicking. A three-day educational tour, which students may take advantage of, includes all of the activities described above.

Tours

ACtIVITIES

College

College publicaions.

Shadows

Canyon Trails

The Antelope

The Student Handbook is published by the Office of Student Publications. It makes available detailed information concerning rules and procedures for approved student activities. This campus newspaper publication reflects the ideas, achievements, and problems of student life. This is the College yearbook, published by a student staff. This is a literary journal containing short stories, verse, and essays, and critiques contributed by the students of the college.

Team Sports

Recreation Center

Athletics

International

Activities

Drama, Radio, Television

Speech and Debate

Music
PHYSICAL EDUCATION

A physical education program is correlated with the health program of the College. Two semester hours of credit in physical education activity are required for graduation. The physical education activity courses should be taken during the freshman and sophomore years. Transfer students and others who have postponed such training must take it before graduation.

Intercollegiate Athletics

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

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

1. Only students of this institution carrying 12 or more semester hours of work shall be allowed to participate in its intercollegiate or interscholastic contests (See page 42 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 and who carry 12 hours or more, are required to live in the dormitory. Exceptions are made for those students who live with their parents, guardians, or close relatives.

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

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

The dormitories are closed during the Thanksgiving and Christmas holidays and Spring recess. Any use of the dormitories during these
insurance. International students are required to have a medical and hospitalization insurance policy. 

An applicant must be admitted by the College Office in order to be accepted. Applying for admission to El Camino College involves meeting certain requirements, which are outlined below.

**Medical Insurance Requirements**

All international students must have medical insurance prior to being admitted to the College. This insurance must be in effect for the duration of each semester.

**Health Care Services**

El Camino College offers health care services to students through the Student Health Services office. Services include health assessments, referrals to medical providers, and health education.

**Food Service**

The cafeteria provides meals on an à la carte basis. Students may purchase meals through the cafeteria's meal plan, which includes breakfast, lunch, and dinner options. Special dietary needs can be accommodated with advance notice. The cafeteria is open from 7 AM to 9 PM daily.

**Housing**

El Camino College offers approximately 500 dormitory rooms. All students are welcome to apply, but availability may vary depending on the academic year.

**Transportation**

El Camino College is located near the city of Torrance. Transportation to and from campus is available through public transit services. Bicycles are also encouraged for commuting.

**Academic Programs**

El Camino College offers a wide range of academic programs, including associate degrees, certificate programs, and transfer programs. The college is accredited by the Western Association of Schools and Colleges.

**Admissions Requirements**

For admission to El Camino College, applicants must have a high school diploma or GED, or an equivalent. Additional requirements vary depending on the program of study.

**Financial Aid**

El Camino College offers a variety of financial aid options, including grants, scholarships, and loans. Students are encouraged to apply for financial aid through the college's website or by contacting the Financial Aid office directly.

**Student Life**

El Camino College is committed to providing a vibrant student life experience. The college offers a variety of extracurricular activities, including clubs, sports teams, and social events. Students are encouraged to get involved and take advantage of the opportunities available on campus.
COUNSELING SERVICE

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

TUTORING

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

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

PLACEMENT SERVICE

The College maintains a placement office which assists students in securing on campus and off-campus employment while in school and positions in the business and professional community after graduation. See page 28 for further information about the service and fees.

TRADITIONAL EVENTS

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<tr>
<td>Spring Banquet</td>
<td>State B.S.U. Spring Retreat</td>
</tr>
<tr>
<td>Music Recitals</td>
<td>Junior-Senior Banquet</td>
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<tr>
<td>Baptist Youth Day</td>
<td>Backpack to Havasu Canyon</td>
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<tr>
<td>Concert Choir Spring</td>
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<td>Concert</td>
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<td>Varsity Dinner</td>
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<td>Senior Class Day</td>
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<tr>
<td>High School Junior-Senior Day</td>
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</table>
GENERAL REQUIREMENTS

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

An applicant must be at least 16 years of age.

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

ACADEMIC ELIGIBILITY

Graduates from accredited high schools who ranked in the upper half of their graduating class or whose composite ACT or SAT scores are in the upper 50th 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, page 65.)

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
General Examination scores will not be given for those examinations unless the student majoring in the field of study has completed the required pre-college level coursework.

Completion of the Advanced Placement Examination Program enables the student to receive college credit, which is based on the results of the examination.

Advanced Placement Examination Program

Students who have previously taken 1 or 2 on the advanced placement examination may be given advanced placement credit for appropriate course work at the discretion of the college. However, the student must pass the final examination for credit.

Advanced Information

Upon admission to the college, students are required to complete an interview with the appropriate department.

Requirements

Students are required to complete a minimum of 30 units, including a minimum of 15 units of college-level coursework. These units must include courses in English, Mathematics, Social Sciences, and Humanities.

Advanced Placement to College

Students who have previously taken 1 or 2 on the advanced placement examination may be given advanced placement credit for appropriate course work at the discretion of the college. However, the student must pass the final examination for credit.

Advanced Information

Upon admission to the college, students are required to complete an interview with the appropriate department.

Requirements

Students are required to complete a minimum of 30 units, including a minimum of 15 units of college-level coursework. These units must include courses in English, Mathematics, Social Sciences, and Humanities.

Early Admission to College

For students who have completed the requirements for admission to the college, the following units are recommended:

- English
- Mathematics
- Social Sciences
- Humanities

School units:

- Science (one laboratory course)
- Social Studies (one in American history)
- Mathematics (one unit of algebra)
- English

High School Units Recommended

Students must demonstrate proficiency in the following areas:

- Science
- Social Studies
- Mathematics
- English

Special courses may be required under special conditions based on the student's background.

Any student admitted under the special conditions may be accepted to participate in the GED program of studies.

Admission Policies and Procedures
Three to eight hours of credit, depending upon the examination used, may be earned by scores of 50 or better on Subject Matter Examinations.

Entering freshmen may earn six hours of credit for scores which rank in the 98th percentile in each of the individual subject areas of the ACT examination.

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

Those interested should secure further information from the Academic Dean.

ADMISSION OF FRESHMEN

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

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

Applicants who wish to live in campus housing should contact the Campus Housing Office to obtain application and related information regarding regulations. (See page 48 for additional information.)

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

Entering freshmen may earn six hours of credit for scores which rank in the 98th percentile in each of the individual subject areas of the ACT examination.

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

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

Transfer students are accepted, including health and academic records. Final decisions regarding admission are made when all credentials are received.

Before enrolling as a transfer student, scores of high school transcripts and at least 12 semester hours in college need not have been attempted.

- A student must have been accepted under admission of another college or have completed at least 12 semester hours in college with a grade point average of 2.0 or better.
- A student must submit a high school transcript directly from the school.
- A student must submit a copy of the student health record, which must be signed by a physician and dated within six months of the date of first enrollment.
- Transcripts must show the date of graduation and the final numerical grade.

Office transcripts of any previous enrollment in another institution are not acceptable. Applicants are never permitted to disguise their record of any previous enrollment or other institutions attended at each institution attended.

Grand Canyon College generally does not accept credit hours of all work attempted at each institution attended.

Admission Policies and Procedures 55
A Guide to the Evaluation of Educational Experiences in the Armed Services is used in evaluation work submitted as a result of service in the armed forces. Credit will be granted only for work in the liberal arts areas. No technical credit will be accepted. All work will be considered lower division.

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

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

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

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

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

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

Transfer students who do not have a "C" average in all college work already attempted may be admitted provisionally (see page 65).

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

DIRECT TRANSFER PLAN

Grand Canyon College accepts the completion of certain Associate of Arts degrees from regionally accredited community colleges as fulfillment of the general studies requirements with the exception of the six semester hours of Bible. 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
A student who has been out of college for one year is not required to supply
interim grades for a period of less than
study at Grand Canyon College. A student whose
before re-enrollment, a student’s academic
during a medical clearance report
withdraws for medical reasons must not
Health form. A student who
Medical History Form or the Student
must submit an updated Student
for a period of one year or longer
Grand Canyon College. Any reason

READMSSION

Credit

able, with one exception: the
College without losing any earned
College can transfer to Grand Canyon
Students who enter under this
Science in Nursing.

'e cannot pursue a Bachelor of
Nursing will be acceptable only if a
Associate of Arts (Applied Science) in

General Studies or a specialized field, for
Associate of Arts in Applied Sciences, an
Four-Year Transfer Plan. An
specifically designed to prepare a
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 $8,500 for each year of study, exclusive of travel and vacation expense must be certified. A minimum deposit of $1,500 must be made before the I-20 needed for a student visa can be issued. This deposit, less application fee of $15, will be refunded upon written request if the student is unable to enter.

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

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

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

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

ENTRANCE EXAMINATIONS

All beginning freshmen are required to have American College Test (ACT) or Scholastic Aptitude Test (SAT) scores on file with the College prior to their acceptance as students. (See paragraph 2 of Admission of Freshmen on page 54.)

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

International students are referred to above section, Admission of International Students.
Honors Study Program
Philippines
Honors Students Audit
Independent Study
Special Courses by
Concurrent Enrollment
Comprehensive Examinations
Examination Credit
Correspondence and
Examinations Late
Permission to Take
Class Attendance
Eligibility for Activites
Provisional Status
Academic Probation
Academic Suspension
Repeating of Courses
Grade Requirements
Auditing of Courses
Withdrawal from All Courses
Dropping of Courses
Change of Courses
Upper Division Requirement
Course Load
Academic Honors
Points
Graduation System and Qualify
Order of Taking Courses
Classification of Students
Quality Improvement of Courses
Definition of Semester Hours
Grades
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  Lower division
Courses from 300 to 399
Courses from 400 to 499  Upper division

CLASSIFICATION OF STUDENTS

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

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

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

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

Students are not permitted to graduate at the end of a semester or term which they began with a grade point average of less than 2.00. (See page 71 for General Graduation Requirements.)

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

Second Degree Students—those students who have completed a bachelor’s degree from a regionally accredited institution and are completing the requirements for a second bachelor’s degree (see page 71).

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

ORDER OF TAKING COURSES

A student normally is expected to take required courses at the earliest opportunity. A student classified as a senior is not permitted to take as an elective a freshman level course without permission from the faculty advisor and the Academic Dean.
Audit Grades

Courses taken for no credit (Audit) earn a grade of "S" or "U." Audit courses do not earn credit toward graduation.

Withdrawal

Withdrawing from a course and withdrawal from both the Business Office and the Registrar's Office must be completed officially from a course. A student must obtain withdrawal forms from the Registrar's Office. Withdrawal without completing the withdrawal forms and without the approval of the Registrar will result in a "W" grade for the course.

The grade of "W" will be given only when a student has officially withdrawn from the course prior to the penalty date as stated in the current semester bulletin. To withdraw after the official withdrawal deadline, a grade of "F" will be given.

Grades

Residence at Grand Canyon College is based on the student's last six college courses. The GPA is based on the grades earned in these courses. The sum of these products divided by the number of hours attempted is the grade point average (GPA). To calculate the GPA, the sum of the numerical value of each grade point average is divided by the number of hours attempted.
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 cum laude;
- 3.60 to 3.79 may qualify for graduation magna cum laude;
- 3.80 to 4.00 may qualify for graduation summa cum laude.

In order to qualify for a specific honor, students must meet or exceed the GPA requirement for that 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 45.

COURSE LOAD

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

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

International students must carry a minimum of 12 semester hours each semester in order to maintain student status required for the F-1 visa.

Students may not register for more than 18 hours except upon
WITHDRAWAL FROM ALL COURSES

A student who discontinues a course or withdraws from the University of Connecticut must complete a Form 1. This form must be submitted to the Dean of the Academic Office and a copy submitted to the Office of Academic Services.

A student who withdraws officially from all courses after the first two weeks of classes must complete a Form 1. This form must be submitted to the Dean of the Academic Office and a copy submitted to the Office of Academic Services. A student who discontinues a course or withdraws from the University of Connecticut must complete a Form 1. This form must be submitted to the Dean of the Academic Office and a copy submitted to the Office of Academic Services.

DROPPING OF COURSES

Students may request to drop a course after the first two weeks of classes. The date of the withdrawal is determined by the date the withdrawal form is submitted to the Office of Academic Services. A student who discontinues a course or withdraws from the University of Connecticut must complete a Form 1. This form must be submitted to the Dean of the Academic Office and a copy submitted to the Office of Academic Services.

CHANGE OF COURSES

After the change of course is approved, a student must register for the new course. A student who discontinues a course or withdraws from the University of Connecticut must complete a Form 1. This form must be submitted to the Dean of the Academic Office and a copy submitted to the Office of Academic Services.

UPPER DIVISION REQUIREMENTS

A student who discontinues a course or withdraws from the University of Connecticut must complete a Form 1. This form must be submitted to the Dean of the Academic Office and a copy submitted to the Office of Academic Services.

General Academic Regulations 65
AUDITING OF COURSES

Under certain conditions a student may wish to audit a course rather than take it for credit in a degree program. The student will receive a grade of "S" or "U" instead of a letter grade.

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 55.

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 record as it pertains to credit toward graduation.

ACADEMIC SUSPENSION

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

1.50 for Freshmen and Sophomores
1.75 for Juniors
2.00 for Seniors

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

A student reinstated after an academic suspension is admitted provisionally. See Provisional Status, on next page.
Requirements. The instructor may require the student to attend outside of class hours to participate in extracurricular activities provided by the College. Any student may participate in extracurricular activities provided by the College except as restricted by regulations established for campus organizations and intercollegiate athletics.

Any student who fails to maintain the most recent unsatisfactory grade list, with an average of 2.00, shall be dismissed from the College, and have earned a Cum-Ang status.

Eligibility for Activities.

College.

On those 12 hours, they are subject to dismissal. Should their average GPA fall below 2.00, they will be dismissed from the College. The College has earned a Cum-Ang status, or the average of "C" grades or those less than a "C" average, or those

Transfer students admitted with

Provisional Status.

A student on probation is not eligible for any grants, scholarships or academic credit. A student on academic probation is placed on academic probation. Students whose cumulative grade point average of 2.00 or SAT scores that are below the 50th percentile are admitted on academic probation. Graduate classes are required to attend the third quarter of their high school.

Academic Probation.

General Academic Regulations 55
2. The student must notify the Office of Student Development directly when an absence from class of one week or more is unavoidable. The office will maintain a file on such reports available to instructors upon request. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Academic Dean.

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

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

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

**PERMISSION TO TAKE EXAMINATIONS LATE**

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

**CORRESPONDENCE AND EXTENSION CREDIT**

A maximum of 30 hours of credit by examination, extension, and correspondence work, including not more than 12 hours by correspondence, may be allowed for graduation.

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

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

**COMPREHENSIVE EXAMINATIONS**

Matriculated students may establish 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 the waiver of a course requirement.

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

visors.

endorsement of the students and.

Affairs Committee must have the

4. The request to the Academic

Committee for registers for the off-campus

registrars before the student be approved by the Academic Affairs

be enrolled in another institution must to enroll in another institution must

3. A formal request for permission to

require that the student be enrolled in another institution.

Professional goal.

The students major, minor, or

2. The course must contribute to

not exceed 4 semester hours.

The following conditions:

exceed 4 semester hours.

Enrollment at another institution:

another college or university under

may be concurrently enrolled at

Canyon College.

A full-time student who is matriculated.

Concurrent Enrollments

Committee.

Committee's approval of the Academic Affairs

Exemptions to the above policies.

the fee of $15.00 for each hour of credit awarded.

6. Return the application to the Business Office and pay

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

will be responsible to prepare the examination

4. Present the validated application to the instructor who.

Office and obtain their validation of payment.

3. Pay the $5 special examination fee in the Business

necessary signatures.

2. Complete the necessary information and obtain all

Office.

1. Obtain an Application for Credit by Examination from

Students should:

degree, and correspondence may be applied toward a

4. A maximum of 30 hours credit by examination.

received credit.

Student is enrolled or for which the student has already

or more than one another course in which the

available.

those courses for which CLEP examinations are not.

2. Credit applies only to catalog courses and only to

during the first year of enrollment at brand Canyon College.

Application for credit by examination must be made.

Limitations

General Academic Regulations 67
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 that must agree to provide an advisor to work with the faculty advisor in designing and evaluating the student’s experience. This course is for upper division students 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 within the next calendar year without charge. The audit privilege covers the regular audit fee for any course, regardless of the number of semester hours. It does not cover special charges.

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

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

Students are admitted to the Honors Study Program by invitation of the Honors Program Committee. Interested students should see the chairman of this committee.
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, Religion, and Sociology.

The Bachelor of Science degree is granted to majors in Accounting, Biology, Business, Chemistry, Computer Science, Elementary Education, Environmental Science, Mathematics, Music Education, Physical Education, Psychology, Public Administration, Special Education, Sociology, and Training and Development.

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

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

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

SECOND DEGREE

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

1. General Education requirements for the degree sought.

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

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

10

If a student fails the exam, they must register for EEW 105 Writing. The exam may be taken twice. Afterwards, students are required to take English 101, which is the first semester required to take the exam. The exam is given twice each semester. Notices of the examination dates appear in the chapel bulletin.

Writing Proficiency

Examination

Any course with a grade below "C" may count toward their major, but students must also have a "C" average (2.00) in their division credit. Students are not permitted to graduate with a grade point average of less than 2.00. (See page 60, Classification of Majors and Minors.)

Graduation

Canyon College requires at least 120 credit hours for graduation. In addition, students must meet requirements in Arizona and in each major declared at the time of their graduation. Any course evaluated as "C" in the Catalog or the transcript will be evaluated as "C" in the Catalog.
Students are required to take in residence at Grand Canyon College at least 15 semester hours in their major subject, six of which must be upper division, and at least 9 semester hours in their minor subject, three of which must be upper division.

The requirements for graduation with honors are stated on page 62.

Record of all correspondence and extension work transferred from another institution must be filed with the Registrar prior to enrollment in the final semester before graduation. (See page 66 for additional information concerning correspondence and extension credit.)

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

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

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

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 FOR GRADUATION

1. Statement of Intent to Graduate Indicators that one is applying for a job or going on to graduate studies (a diploma until the following May. This would not hinder eligibility to participate in graduation exercises or receive the diploma. The current year would not be counted as completed by August but has not been completed. This means that a student who submitted a diploma at the end of the summer requirements will be met before the end of the summer session. This must be filed with the Registrar by May 1.

2. Statement of Intent to Graduate Indicators that one is applying for a job or going on to graduate studies (a diploma until the following May. This would not hinder eligibility to participate in graduation exercises or receive the diploma. The current year would not be counted as completed by August but has not been completed. This means that a student who submitted a diploma at the end of the summer requirements will be met before the end of the summer session. This must be filed with the Registrar by May 1.

Curricular Requirements for Graduation

General Studies

Elective Courses

Major and Minor Subjects

General Studies (1) Major and Minor Subjects, (2) General Studies, (3) General Studies. The completion of the required 128 semester hours usually requires four years of college. The curriculum at Grand Canyon College is designed to help the student's early years of college experience by forming a comprehensive and coordinated foundation for a more meaningful life. The General Course program in liberal arts consists of 12 general education courses in diversified liberal arts (one a year).
BIBLE 6 hours
BIB 113 Old Testament History
BIB 123 New Testament History

ENGLISH 6 hours
EEW 101 Grammar & Composition
EEW 102 Composition & Literature

HUMANITIES 6 hours
No more than 3 hours in one area with the exception of Foreign Language

| Literature | Theatre |
| Philosophy | Art |
| Foreign Language | Music |
| Speech |

SOCIAL STUDIES 9 hours
At least 3 hours of History; no more than 6 hours in one area

| History | Psychology |
| Government/Political Science | Sociology |
| Geography |

SCIENCES 10 hours
At least one course from each group

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

PHYSICAL EDUCATION 2 hours
Must be activity courses

39 hours
Suggested Program for Bachelor Degree Candidates

Some courses, which generally require a significant amount of reading, should be given to lower division students. Other courses may require undergraduate level students. Students who have already taken courses in these areas may use them for credit.

In Relation to Degrees

Special Academic Programs

A student may elect to take courses applicable for that individual major, minor, and elective studies offered in each department in the regular college curriculum.

Elective Courses

A student may elect to take courses in a subject area other than the minor in a subject area other than the major. A minor in a subject area other than the major must have a major or minor in a subject area other than the major. A course with a grade of C+ or better is required for a major or minor in a subject area other than the major. A course with a grade of C+ or better is required for a major or minor in a subject area other than the major.

Transfer Students

Transfer students should consult with their academic advisor to determine whether courses taken at other institutions will meet the requirements for their degree.

Graduation Requirements

At least 40 semester hours of acceptable courses, with a minimum of 30 hours of upper-division work, are required for the degree. Students must have a C- average in the courses required for the degree, and a C- average in the courses required for the degree. Students must have a C- average in the courses required for the degree. Students must have a C- average in the courses required for the degree.

By the beginning of their junior year, students must have completed all of their major's core requirements. Students must have completed all of their major's core requirements. Students must have completed all of their major's core requirements. Students must have completed all of their major's core requirements. Students must have completed all of their major's core requirements.
Freshman Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113, 123</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OT, NT History</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EEW 101, 102</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Freshman English</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Humanities</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>History</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math, Comp. Sci.,</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P.E. Activity</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>January Term</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>13</td>
<td>3</td>
<td>15</td>
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</tbody>
</table>

Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Social Science</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*Humanities</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lab Science</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P.E. Activity</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Math/Science</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Major, Minor Electives</td>
<td>8</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>January Term</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>16</td>
<td>3</td>
<td>15</td>
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</table>

Junior Year

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

Senior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Major, Minor Electives</td>
<td>15</td>
<td>15</td>
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</tbody>
</table>

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

Requirements for the Bachelor of General Studies Degree

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

General Studies

Courses listed on pages 73 and 74

39 hours

Electives

89 hours

128 hours

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

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

Course prerequisites as stated in the catalog will be observed.

Other Graduation Requirements

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

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

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

The student must satisfy the minimum residence requirement.

Special Conditions

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

Courses

Training and Development

Business Courses

Accounting Courses

Economics

Training and Development

Business Administration

Marketing

Accounting

Degree Requirements:

Department Description

Economics
DEPARTMENT DESCRIPTION

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

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

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

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

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

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

DEGREE REQUIREMENTS—ACCOUNTING

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

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

Courses which must be included in the 54 semester hours or in which the student must demonstrate proficiency through departmental examinations are: (See page 64 for regulations on examinations)

BUS 102 American Business and Free Enterprise
BUS 243 Business Math
MAT 120 Intermediate Algebra
SPC 113 Fundamentals of Speech or
SPC 292 Group Discussion

Courses required for the Accounting major:

Business Core:

ACC 214 Principles of Financial Accounting 3 hours
ACC 233 Principles of Managerial Accounting 3 hours
ECO 213, 223 Survey and Principles of Economics 6 hours
BUS 323 Business Finance 3 hours
BUS 353, Business Law 3 hours
BUS 373 Principles of Management 3 hours
BUS 343 Business Statistics 3 hours
BUS 393 Principles of Marketing 3 hours
Students desiring a career in the marketing area should elect courses in psy.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Total</th>
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<tbody>
<tr>
<td>18</td>
<td>45</td>
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<table>
<thead>
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<th>Hours</th>
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<td>3</td>
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</tbody>
</table>

Marketing Courses:
- BUS 414 Advertising Principles
- BUS 311 Business Ethics
- BUS 312 Business and Technical Writing
- BUS 331.61 Business Communications or
- CS 133 Introduction to Computer Science

Business Core (see page 82):

Requirements for a major in Business Administration

**Degree Requirements—Business Administration**

In the business major, student takes sufficient credits in Business and Economics to satisfy the requirement of 42 hours. A course involved in such duplication is counted toward the minor only. The student takes at least 12 hours of required accounting courses. When a minor in another business area is taken with a major in business, there is some duplication.

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

Required Core in Accounting:
- ACC 433 Cost Accounting or ACC 423 Governmental and Institutional Accounting
- ACC 414 Income Tax Accounting
- ACC 413 Intermediate Accounting I
- ACC 214, 223 Principles of Financial and Managerial Accounting

Requirements for a minor in accounting:

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

<table>
<thead>
<tr>
<th>Hours</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>24</td>
<td>24</td>
</tr>
</tbody>
</table>

Independent Study:
- CS 223 COBOL
- ACC 414 Auditing
- ACC 413 Intermediate Accounting
- ACC 433 Advanced Accounting
- ACC 213, 223 Principles of Financial and Managerial Accounting

Accounting courses:
- BUS 311 Business Ethics
- CS 133 Introduction to Computer Science
- BUS 312 Business and Technical Writing
- BUS 383 Business Communications

18 Department of Business and Economics
DEGREE REQUIREMENTS—BUSINESS ADMINISTRATION

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102 American Business and Free Enterprise*</td>
<td>3</td>
</tr>
<tr>
<td>CS 133 Introduction to Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>BUS 243 Business Math</td>
<td>3</td>
</tr>
<tr>
<td>BUS 323 Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS 343 Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213, 223 Survey and Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td>ACC 214, 233 Principles of Accounting I, II</td>
<td>6</td>
</tr>
<tr>
<td>BUS 353, 363 Business Law I, II</td>
<td>6</td>
</tr>
<tr>
<td>BUS 373 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 383 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>BUS 393 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 311 Business Ethics</td>
<td>3</td>
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<tr>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

Requirements for a minor in Business

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102 American Business and Free Enterprise*</td>
<td>3</td>
</tr>
<tr>
<td>BUS 243 Business Math*</td>
<td>3</td>
</tr>
<tr>
<td>ACC 214 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 353 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213 Survey of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Upper division electives in Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

* Students with business experience may demonstrate proficiency in these areas by passing a departmental examination and may substitute upper division courses.

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 under-graduate 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</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 102 American Business and Free Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>CS 133, 203, or 223 Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213, 223 Principles I, and II</td>
<td>6</td>
</tr>
<tr>
<td>BUS 333 Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>BUS 373 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 453 Organizational Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>
Requirements for a minor in Economics

DEGREE REQUIREMENTS—ECONOMICS

18-19 hours

Internship I

3.4 hours

TD 404 or 414 Training & Development
SEED 443 High School Curriculum/Methods or

PSY 334 Fundamentals of Counseling & Guidance

PSY 313 Educational Psychology

PSY 213 General Psychology

AED 369 Principles of Teaching & Development Principles I

6 hours

Requirements for a minor in Training & Development

128 hours

Total Hours

54 hours

General Education—January Term and Electives

(Should include SPC 113, Fundamentals of Speech)

9 hours

PSY 343 Fundamentals of Counseling & Guidance

PSY 313 Educational Psychology

PSY 213 General Psychology

1.5 Psychology (9 hours)

12 hours

SEED 443 Methods/Curriculum

AED 369 Principles of Teaching & Development

EDURE 369 Audio-Visual Materials & Methods

II. Education (12 hours)

17 hours

Business Conference Leadership

TD 223 Business Conference Leadership

TD 404/414 Training & Development Internship I

II. Training and Development (17 hours)

9 hours

Advanced computer science courses

BUS 363 Business Law

BUS 335 Business Law II

BUS 333 Principles of Marketing

BUS 333 Business Finance

Electives Recommended:

Upper Division Business Electives

BUS 343 Business Statistics

ECO 443 Family Financial Planning
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 214</td>
<td><strong>FINANCIAL ACCOUNTING</strong></td>
<td>Every Fall/3 hours</td>
</tr>
<tr>
<td></td>
<td>An introduction to the fundamental principles and practices of financial accounting, and the construction of financial statements.</td>
<td></td>
</tr>
<tr>
<td>ACC 233</td>
<td><strong>MANAGERIAL ACCOUNTING</strong></td>
<td>Every Spring/3 hours</td>
</tr>
<tr>
<td></td>
<td>Continuation of ACC 214. An introduction to the fundamentals of managerial accounting data in the decision-making process. Prerequisite: ACC 214.</td>
<td></td>
</tr>
<tr>
<td>ACC 313</td>
<td><strong>INTERMEDIATE ACCOUNTING I</strong></td>
<td>Every Fall/3 hours</td>
</tr>
<tr>
<td></td>
<td>An in-depth study of accounting objectives, principles, theory and practice as related to assets and related income determination. Prerequisite: ACC 233.</td>
<td></td>
</tr>
<tr>
<td>ACC 323</td>
<td><strong>INTERMEDIATE ACCOUNTING II</strong></td>
<td>Every Spring/3 hours</td>
</tr>
<tr>
<td></td>
<td>Continuation of ACC 313. Emphasis is placed on liabilities and owners equity, special problems in income determination and financial reporting. Prerequisite: ACC 313.</td>
<td></td>
</tr>
<tr>
<td>ACC 353</td>
<td><strong>ADVANCED ACCOUNTING</strong></td>
<td>Every Fall/3 hours</td>
</tr>
<tr>
<td></td>
<td>Accounting theory applicable to partnerships and business combinations, international accounting and governmental and institutional accounting. Prerequisite: ACC 323.</td>
<td></td>
</tr>
<tr>
<td>ACC 396</td>
<td><strong>DEPARTMENTAL TUTORING</strong></td>
<td>Every Semester/2 hours</td>
</tr>
<tr>
<td></td>
<td>Designed to train students to help others who are experiencing difficulty in their regular course work. Emphasis is placed on time management, study skills, and test taking. May not be repeated for credit. Prerequisite: Approval of the Dept. Head and the Tutor Program Coordinator.</td>
<td></td>
</tr>
<tr>
<td>ACC 423</td>
<td><strong>GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING</strong></td>
<td>On demand/3 hours</td>
</tr>
<tr>
<td></td>
<td>Principles of accounting as applied to public sector entities. Budgetary and reporting considerations as well as financial control systems are investigated. Prerequisite: ACC 323.</td>
<td></td>
</tr>
<tr>
<td>ACC 433</td>
<td><strong>COST ACCOUNTING</strong></td>
<td>Every Spring/3 hours</td>
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<tr>
<td></td>
<td>Principles of factory and distributive cost accounting, including process, job order, standard cost systems, and budgeting. Prerequisite: ACC 233.</td>
<td></td>
</tr>
<tr>
<td>ACC 443</td>
<td><strong>INCOME TAX ACCOUNTING</strong></td>
<td>Every Fall/3 hours</td>
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<tr>
<td></td>
<td>Fundamentals of federal income taxation of individuals, partnerships and corporations. Basic research and tax planning methods. Prerequisite: ACC 233.</td>
<td></td>
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<tr>
<td>ACC 453</td>
<td><strong>AUDITING THEORY &amp; PRACTICE</strong></td>
<td>Every Spring/3 hours</td>
</tr>
<tr>
<td></td>
<td>The principles involved in the examination of financial statements by independent accountants including evaluation of internal control, sampling techniques, audit program development and use, and reporting. Professional Code of Ethics and legal considerations are also covered. Prerequisite: ACC 323.</td>
<td></td>
</tr>
<tr>
<td>ACC 473</td>
<td><strong>ACCOUNTING THEORY</strong></td>
<td>On demand/3 hours</td>
</tr>
</tbody>
</table>
BUS 341 ADVERTISING
PRINCIPLES

A study of advertising methods, media, and strategy. Pre-requisite: BUS 393.

Spring, 1986, and alternate years. 3 hours

BUS 333 PERSONNEL ADMINISTRATION

An introduction to selecting, including assessing organizational, planning and

management. Pre-requisite: BUS 393.

Every Spring/3 hours

BUS 331 SALES AND SALES

management. Pre-requisite: BUS 393.

Every Spring/3 hours

BUS 323 BUSINESS FINANCE

market strategies, Pre-requisite: BUS 393.

Every Fall/3 hours

BUS 321 CONSUMER BEHAVIOR

A course designed to present the best practices in writing business

Fall, 1986, and alternate years. 3 hours

BUS 313 WRITING

An introduction of ethics within the Christian perspective, issues and

Every Spring/3 hours

BUS 311 BUSINESS ETICS

electronic machines and micro-computers.

Every semester/3 hours

BUS 243 BUSINESS MATH

and providing laboratory experience. Pre-requisite: Basic Math Skills.

Every semester/3 hours

BUS 103 WORD PROCESSING

A basic course in word processing, presenting certain concepts, procedures.

Every semester/3 hours

BUS 102 AMERICAN BUSINESS AND
FREE ENTERPRISE

upon successful completion of the course.

Every semester/3 hours

BUSINESS

and test-taking. This course may be repeated. A small stipend is provided.

TUT 300/300

Volunteer Tutoring
BUS 343 BUSINESS STATISTICS Every Spring/3 hours
A study of business uses of statistical methods in decision making including probability, tests of significance and correlation and regression analysis.

BUS 353 BUSINESS LAW I Every Fall/3 hours
A study of the development of our legal system with a brief study of the nature of crimes, torts, and strict liability. The course also includes contracts, agency, and property.

BUS 363 BUSINESS LAW II Every Spring/3 hours
Continuation of BUS 353. Included in this course is the study of partnerships, corporations, sales commercial paper, credit, and government regulations and agencies.

BUS 373 PRINCIPLES OF MANAGEMENT Every semester/3 hours
An introductory course with an overall objective of developing and improving skills which increase managerial effectiveness. The course deals with management in general and the basic management process and functions in particular, focusing on real world management situations concerned with planning and getting out routine work. Prerequisite: Junior standing or consent of instructor.

BUS 383 BUSINESS COMMUNICATIONS Every semester/3 hours
Practice in writing effective business letters, memoranda, and reports. Emphasis on effective written and oral communication as it applies to human relations in business; a managerial approach to effective communication. Prerequisite: Ability to use the typewriter by the touch method.

BUS 393 PRINCIPLES OF MARKETING Every semester/3 hours
Understanding of the marketing processes as they relate to marketing decisions, selection of market targets, product strategy, distribution channels, pricing, marketing research, advertising, interaction of marketing and society. Prerequisite: ECO 213.

BUS 396 DEPARTMENTAL TUTORING Every semester/2 hours
For course description see ACC 396 on page 84.

BUS 421 RETAIL MANAGEMENT Every Spring/3 hours
A study of retail operations, planning, merchandising, promotion and control. Prerequisite: BUS 393.

BUS 431 MARKETING MANAGEMENT Spring, 1986, and alternate years/3 hours
A study of marketing objectives and policies that require executive decisions, marketing activities that relate to other policy areas. Prerequisite: BUS 393.

BUS 441 MARKETING RESEARCH Fall, 1985, and alternate years/3 hours
A study of research design, survey making, sampling and questionnaire design.

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

TUT 300/ VOLUNTEER TUTORING Every semester/no credit
400 For course description see TUT 300/400 on page 85.

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

TUT 300/400

For course description see TUT 300/400 on Page 85.

Every Summer/Fall 4 hours

Pre-requisite: TD 313.

The student will have further opportunity to work under the supervision of a hospital or a government agency, depending upon one's special interest.

Training and Development - Pre-requisite: TD 313.

The student will be given an opportunity to practice the principles learned in TD 303. Training and development modules, 1-2 hours a week are 8 hours a week in department of training and development. 4 hours

Every Fall/Spring 4 hours

For course description see ACC 396 on page 84.

Every Semester/2 hours

- Deans' leadership as a learning device or for problem-solving.

- The competencies of leading a business and discussion.

- Fall, 1995, and 1996, and alternate years/3 hours

Leadership - Business Conference - Pre-requisite: TD 303.

The student will build a career in training or development or to understand the role of training as a tool of management. 4 hours

Every Fall/Spring 4 hours

Developmental Principles - Pre-requisite: Developmental Principles I.

The student will focus on specific areas of specialization and explore in some depth the specific areas of specialization.

Every Fall/Spring 3 hours

Department of Business and Economics

Training and Development
ECONOMICS

ECO 213  PRINCIPLES OF ECONOMICS I  Every Fall/3 hours
A survey of basic economic concepts, principles, and business practices from a macroeconomic approach. The course includes an overview of the American economy, national production, employment and income; also included is a study of the monetary and fiscal policy in the United States, the public sector and economic growth.

ECO 223  PRINCIPLES OF ECONOMICS II  Every Spring/3 hours
Continuation of ECO 213. From a microeconomics approach covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems.

ECO 343  FAMILY FINANCIAL PLANNING  Every Fall/3 hours
A study of standards of living related to income, expense, and occupation. A survey of consumerism directly related to consumer credit, savings, insurance, social security, health care, investments, taxes, estate planning, and purchasing a home. Recommended prerequisite: ECO 213.

ECO 363  MONEY AND BANKING  Fall, 1985, 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 396  DEPARTMENTAL TUTORING  Every semester/2 hours
For course description see ACC 396 on page 84.

ECO 453  COMPARATIVE ECONOMIC SYSTEMS  Spring, 1985, and alternate years/3 hours
A study of the forms of economic organization: the economic policy and obligations of capitalism, socialism, communism, and fascism. An analytical comparison of capitalism and the other economic systems. Prerequisite: ECO 213.

TUT 300/400  VOLUNTEER TUTORING  Every semester/No credit
For course description see TUT 300/400 on page 85.
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, secondary teachers, and special education teachers.

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

1. Elementary Education.
2. Special Education (Learning Disabilities and Emotional Handicaps).
3. Secondary Education (Certifiable majors are determined by the Arizona State Department of Education as any course of study that is taught in grades 7-12 in public schools in Arizona.) Refer to the prospective departments for a listing of those major requirements.

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

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

**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.

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 30-45 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 95.)
Grand Canyon College, any subsequent courses taken in the Teacher Education Program at Grand Canyon College. Any subsequent courses taken in the Teacher Education Program at Grand Canyon College, any subsequent courses taken in the Teacher Education Program at Grand Canyon College. Any subsequent courses taken in the Teacher Education Program at Grand Canyon College.

Except EDU 303, EDS 423, or EDU 423, students who wish to enroll in any of the Education courses will need to be present at each registration time by can be accepted into the Teacher Education Program. the student will need to be present at each registration time by the Teacher Education Program. The student will need to be present at each registration time by the Teacher Education Program. Students who have been accepted into the Teacher Education Program. Students will be notified in writing as to the action taken.

Applicants will be notified in writing as to the action taken.

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Students will be notified in writing as to the action taken.
student may wish to transfer for purposes of meeting Departmental requirements for student teaching and/or certification may only be done with prior written permission of the Education Department faculty.

Elementary Education majors must have a total of 28 hours in their major taken in residence at Grand Canyon College. At least 12 of these hours have to be elementary education methods courses to be selected from EED 323, 343, 363, 403, or 433.

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

All students who wish to be placed in student teaching must make written application. Appropriate forms are available from the Education Office, Room 118, Faculty Building. A 2.50 grade point average overall, a 2.50 at Grand Canyon College, and a 2.50 in the major areas as well as a recommendation from the faculty are prerequisites.

Deadlines for applying for student teaching are as follows:

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

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

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

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

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

**GENERAL STUDIES FOR TEACHER EDUCATION PROGRAMS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible — Old and New Testament</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td></td>
</tr>
<tr>
<td>English — Freshman English</td>
<td>6</td>
</tr>
</tbody>
</table>
Recommeded electives for Elementary Teacher candidates:

**Content area minor:**
Elementary Education majors must present an appropriate 18.24 hour Education Minor - 14 hours
**Prequalifies to all other education courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 304 Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>EDU 322 Reading in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>EDU 331 Decoding</td>
<td>3</td>
</tr>
<tr>
<td>EDU 332 Mathematics for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDU 333 Curriculum and Methods: Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>EDU 334 Communication Arts in Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>EDU 335 Curriculum and Methods: Science</td>
<td>3</td>
</tr>
<tr>
<td>EDU 336 Instructional Media</td>
<td>3</td>
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<tr>
<td>EDU 303 Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 333 Orientation to Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>SPED 434 Reading, Pracctce in Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>SPED 435 Reading in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>SPED 445 Decoding</td>
<td>3</td>
</tr>
<tr>
<td>SPED 404 Psychology for Elementary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDU 363 Curriculum and Methods: Science</td>
<td>3</td>
</tr>
<tr>
<td>EDU 313 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU 490 Student Teaching: Elementary School</td>
<td>2</td>
</tr>
<tr>
<td>EDU 420 Orientation to Student Teaching</td>
<td>2</td>
</tr>
<tr>
<td>EDU 413 Tests and Measurements</td>
<td>2</td>
</tr>
<tr>
<td>EDU 373 Child and Childhood Literature</td>
<td>3</td>
</tr>
<tr>
<td>EDU 319 Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 183 Exploring Education as a Career</td>
<td>3</td>
</tr>
</tbody>
</table>

48 hours

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

COURSES FOR ELEMENTARY CERTIFICATE (Grades K-8)

DEGREE REQUIREMENTS - EDUCATION

Program

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math or Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td>2</td>
</tr>
<tr>
<td>PE</td>
<td>2</td>
</tr>
<tr>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Government Federal and State</td>
<td>3</td>
</tr>
<tr>
<td>American History or Civilization (Secondary Ed)</td>
<td>6</td>
</tr>
<tr>
<td>American History (Elementary Ed)</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy, Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>Electives chosen from: Art, Music, Literature, Theater</td>
<td>3</td>
</tr>
<tr>
<td>Speech 113</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

Department of Education and Psychology
AE  303 Art in the Elementary School or AE 323  3 hours
HLT  333 School Health Problems  3 hours
MED  333 Music in the Primary and
   Elementary Grades  3 hours
PE  323 Physical Education for Elementary Grades  3 hours

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

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

*  EDU  303 Foundations of Education  3 hours
   EDU  313 Educational Psychology  3 hours
   EDU  363 Instructional Media  3 hours
   EED  323 Curriculum and Methods: Science  3 hours
   EED  343 Communication Arts  3 hours
   EED  363 Curriculum and Methods: Social Studies  3 hours
   EED  403 Math for Elementary Teachers  3 hours
   EED  312 Decoding  3 hours
   EED  433 Reading: Elementary School  3 hours
   EED  443 Reading Practicum  3 hours
   SPE  323 Orientation to the Exceptional Child  3 hours
   SPE  333 Diagnosis of Learning Problems  3 hours
   SPE  353 Survey of Learning Disabilities  3 hours
   SPE  363 Methods of Teaching Children with
       Learning Disabilities  3 hours
   Elective in Special Education  3 hours
   EDU  430 Classroom Management  3 hours
**  EDU  413 Tests and Measurements  2 hours
   SPE  420 Orientation to Student Teaching  2 hours
   SPE  408 Student Teaching: Learning Disabilities  8 hours
   EED  480 Student Teaching in the Elementary School  8 hours

68 hours

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

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

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

*  EDU  303 Foundations of Education  3 hours
   EDU  313 Educational Psychology  3 hours
   EDU  363 Instructional Media  3 hours
   EED  323 Curriculum and Methods: Science  3 hours
   EED  343 Communication Arts  3 hours
   EED  363 Curriculum and Methods: Social Studies  3 hours
   EED  403 Math for Elementary Teachers  3 hours
   EED  312 Decoding  3 hours
   EED  433 Reading: Elementary School  3 hours
   EED  443 Reading Practicum  3 hours
   SPE  323 Orientation to the Exceptional Child  3 hours

* Prerequisite to all other education courses
The teacher education program requires a five-year program or at least 30-45 semester hours of upper division and/or supervised student teaching. Academic or professional work in an appropriate field is also required for graduation. Students should meet with faculty in the minor department for education or music education in consultation for students majoring in the minor. A minor is not required for secondary education, but rather than the usual 18, a 24-hour block of courses is required.

### 60 Hours

| 8 hours | SED 480 Student Teaching: Secondary School |
| 2 hours | EDR 420 Orientation to Student Teaching |
| 2 hours | EDR 443 Secondary Curriculum Development |
| 2 hours | EDR 413 Tests and Measurements |
| 3 hours | EDR 430 Classroom Management |
| 3 hours | SPS 323 Introduction to the Exceptional Child |
| 2 hours | SED 452 Reading in the Secondary School |
| 2 hours | SED 442 Secondary Methods |
| 3 hours | EDR 363 Instructional Technology |
| 3 hours | EDR 330 Foundations of Education |

### 72 Hours

| 8 hours | SED 480 Student Teaching: Elementary School |
| 2 hours | EDR 418 Student Teaching: Emotionally Handicapped |
| 2 hours | EDR 413 Tests and Measurements |
| 3 hours | EDR 430 Classroom Management |
| 3 hours | EDC 342 Early Childhood Education |
| 3 hours | SPS 399 Methods of Teaching the Emotionally Handicapped |
| 3 hours | SPS 383 Survey of Emotional Handicaps |
| 3 hours | SPS 333 Diagnosis of Learning Problems |

### Degree Depend on Major

- **EDC 363 Instructional Technology**
- **EDC 330 Foundations of Education**
- **EDC 413 Tests and Measurements**
- **EDC 400 Classroom Management**
- **EDC 342 Early Childhood Education**
- **EDC 399 Methods of Teaching the Emotionally Handicapped**
- **EDC 383 Survey of Emotional Handicaps**
- **EDC 333 Diagnosis of Learning Problems**

*Pre-requisite to all other education courses.*

The minor, also required for graduation, should be 24 semester hours, including at least 12 hours at the graduate level. Prior to completing a bachelor's degree from the university, students must have successfully completed academic or professional work in an appropriate field to meet current year of preparation to include a minor has been extended to include a minor with 90-96 hours.
EDU 103  READING SKILLS SUCCESS IN COLLEGE  
Designed to reinforce the reading/learning skills needed for success in college courses. Emphasis is placed on comprehension, vocabulary development, flexibility of rate, note taking, study skills, time management and test-taking techniques.

EDU 113  READING SKILLS FOR SUCCESS IN COLLEGE
See EDU 103 above.

EDU 183  EXPLORING EDUCATION AS A CAREER  
Fall and Spring on demand/3 hours
By observation and other direct experiences in the classroom, students see for themselves what working with children and young people involves. A minimum of 45 hours will be spent in the public school classroom.

EDU 303  FOUNDATIONS OF EDUCATION  
Every semester/3 hours
A study of the historical, philosophical, and sociological influences which have shaped American education, the issues faced by educators today, and the challenges of the future which await persons now entering the teaching profession. The course is designed for students who have already committed themselves to a career in education and should be taken during the sophomore year.

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, PSY 353 or PSY 373.

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

EDU 396  DEPARTMENTAL TUTORING  
Every semester/2 hours
For course description see ACC 396 on page 84.

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

EDU 420  ORIENTATION TO STUDENT TEACHING  
Every semester/2 hours
Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences. Administrators and supervisors from public schools are invited to participate in this orientation as well as other professional personnel. Additional instruction is given by the faculty of the department.
For course description see ACC 396 on page 84.

DEPARTMENTAL REQUIREMENTS

EDD 396

For course description see TUT 300/400 on page 40.

EDD 390

Volunteer Interning

EDD 430

For course description see TUT 300/400 on page 40.

EDD 431

Nurtural Environment

EDD 313

Early Childhood

EDD 315

Decoding
### EED 403 MATHEMATICS FOR ELEMENTARY TEACHERS

*Every semester/3 hours*

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

### EED 433 READING IN THE ELEMENTARY SCHOOL

*Every semester and every Summer/3 hours*

Techniques for teaching all aspects of reading with an emphasis on individualized reading, comprehension, thinking, and a life-long love of reading. Must be taken concurrently with EED 443. *Prerequisites: EDU 303, EED 343, EED 412.*

### EED 443 READING PRACTICUM IN THE ELEMENTARY SCHOOL

*Every semester and every Summer/3 hours*

Designed to provide prospective elementary teachers with an intensive teaching experience over the length of one semester. Taken concurrently with EED 433. *Prerequisites: EDU 303, EED 343, EED 412.*

### EED 480 STUDENT TEACHING: 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: All required courses for elementary certificate, a 2.5 GPA, and admission to the elementary education program. Credit only. No grade is given.*

### TUT 300/400 VOLUNTEER TUTORING

*Every semester*

For course description see **TUT 300/400** on page 85.

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### SPECIAL EDUCATION

### SPE 323 ORIENTATION TO THE EXCEPTIONAL CHILD

*Every semester/3 hours*

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

### SPE 333 DIAGNOSIS AND REMEDIATION OF LEARNING PROBLEMS

*Every Spring/3 hours*

Characteristics and uses of diagnostic instruments which can be used to identify and evaluate learning problems of students. *Prerequisite: SPE 323.*

### SPE 353 SURVEY OF LEARNING DISABILITIES

*Every Summer/3 hours*

Developmental and observable characteristics of the child with learning disabilities, encompassing the many individual theories being applied to education of the special student. *Prerequisite: SPE 323.*

### SPE 363 METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES

*Every Fall/3 hours*

Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. *Prerequisite: SPE 333.*

### SPE 383 SURVEY OF EDUCATING CHILDREN WITH EMOTIONAL HANDICAPS

*Every Summer/3 hours*

A general study of characteristics of emotionally handicapped or socially maladjusted individuals and educational programs available for them. *Prerequisite: SPE 323.*
SECONDARY SCHOOL

SEDE 452 READING IN THE DEVELOPMENTAL PROGRAM

SECONDARY CURRICULUM

SEDE 443 PSY 313

SECONDARY METHODS

SEDE 442

For course description see ACC 396 on page 84.

DEPARTMENTAL INSTRUCTION

SECONDARY EDUCATION

For course description see TUT 300/400 on page 85.

Volunteer Training

Volunteer Training

Student Teaching in Special Education

For course description see ACC 396 on page 84.

Departmental Instruction

Methods of Teaching the Emotionally Handicapped

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

SED 480  STUDENT TEACHING:  
SECONDARY SCHOOL            Every semester/8 hours
The student is assigned to an approved school to serve as a teacher for 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.

TUT 300/    VOLUNTEER TUTORING     Every semester/No credit
400   For course description see TUT 300/400 on page 85.

ADULT EDUCATION

AED 353  SURVEY OF ADULT   
EDUCATION       Fall, 1984, and alternate years/3 hours
Historical development, objectives, scope, trends, and significance of adult  
education. Philosophy and trends of adult education in relation to desirable  
present and future local business and industry training programs as well as  
public school programs.

AED 363  PRINCIPLES OF TEACHING   
ADULTS           Spring, 1985, and alternate years/3 hours
Factors considered in establishing and developing adult education  
programs in schools, business, and industry.
### PSY 213 General Psychology

#### Upper Division Electives in Psychology

<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>9</td>
<td>PSY 433 Abnormal Psychology&lt;br&gt;PSY 367 Experimental Psychology&lt;br&gt;PSY 313 Educational Psychology&lt;br&gt;PSY 312 Social Psychology&lt;br&gt;PSY 323 History and Systems or PSY 213 General Psychology</td>
</tr>
</tbody>
</table>

#### Requirements for a Minor in Psychology

<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
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<tbody>
<tr>
<td>9</td>
<td>PSY 303 Social Psychology&lt;br&gt;PSY 323 History and Systems or PSY 213 General Psychology</td>
</tr>
<tr>
<td>3</td>
<td>PSY 223 Personality Development</td>
</tr>
<tr>
<td>3</td>
<td>PSY 255 Personality Development</td>
</tr>
<tr>
<td>3</td>
<td>PSY 200 Human Growth</td>
</tr>
<tr>
<td>3</td>
<td>PSY 222 History and Systems or PSY 213 General Psychology</td>
</tr>
<tr>
<td>3</td>
<td>PSY 200 Human Growth</td>
</tr>
<tr>
<td>3</td>
<td>PSY 222 History and Systems or PSY 213 General Psychology</td>
</tr>
<tr>
<td>3</td>
<td>PSY 222 History and Systems or PSY 213 General Psychology</td>
</tr>
</tbody>
</table>

#### Degree Requirements — Psychology

Department of Education and Psychology

101
PSY 323  HISTORY AND SYSTEMS OF PSYCHOLOGY  
*Spring, 1985, 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 "B" in PSY 213 during the first semester of their freshman year. *Prerequisite: PSY 213.*

PSY 333  PSYCHOLOGY IN RELIGION  
See REL 333 on page 177.

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

PSY 353  CHILD PSYCHOLOGY  
*Every semester and every Summer/3 hours*
An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work, and play in child life; and the synthesis and integration of personality. *Prerequisite: PSY 213.*

PSY 363  INTRODUCTION TO PROBABILITY AND STATISTICS  
*Every semester/3 hours*
A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. *Prerequisite: MAT 113 or equivalent.*

PSY 396  DEPARTMENTAL TUTORING  
*Every semester/2 hours*
For course description see ACC 396 on page 84.

PSY 367  EXPERIMENTAL PSYCHOLOGY  
*Spring, 1985, 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.*

PSY 373  ADOLESCENT PSYCHOLOGY  
*Every semester/3 hours*
An examination of the meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescence; and the guidance and control of adolescent behavior. *Prerequisite: PSY 213.*

PSY 403  PSYCHOLOGICAL PSYCHOLOGY  
*On demand/3 hours*
A course emphasizing the relationship between brain and behavior. Role of genetic, neural, hormonal, and physiological processes in sensation, perception, motivation, and learning will be discussed within the context of recent research.

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

TUT 300/400  VOLUNTEER TUTORING  
*Every semester/No credit*
For course description see TUT 300/400 on page 85.
Physical Education

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

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

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

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

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

DEGREE REQUIREMENTS—HEALTH EDUCATION

Requirements for a minor in Health Education

<table>
<thead>
<tr>
<th>Course</th>
<th>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.

HLT 353  ANATOMY AND PHYSIOLOGY  Every Fall/3 hours
A study of the basic structures, functions, and various systems of the human organism by means of charts, models, and observations of laboratory techniques. Prerequisite: PE 243.
Instruction and practice in the fundamentals of tennis.

SWIMMING

- 1 hour

There is no prerequisite and no included. Two different sports must be taken during fall and spring. Each course meets twice a week. There is no prerequisite and no related courses to be taken during fall and spring.

Co-requisite: To fulfill the Physical Education requirement, students must earn at least 4 hours which includes both PE 101 and PE 111.

Physiological Education

- 3 hours

PE 101 Introduction to Physical Education

PE 111 Sport for Life

413 and 241

More students who wish to qualify for K-12 certification must earn 46 hours which includes both PE 101 and PE 111.

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

Degree Requirements—Physical Education

For course description see THT 300/400 on page 56.

Every semester/no credit

Volunteer Tutoring

THT 300/400

Independent Study

HLLT 499

For course description see ACC 396 on page 64.

Every semester, 2 hours

Departmental Tutoring

HLLT 396

Practice

HLLT 399

Drug Abuse Seminar

HLLT 383

see SOC 383 on page 117

Methods of Teaching Health

HLLT 363

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

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

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

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

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

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

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

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

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

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

PE 313  KINESIOLOGY  Every Spring/3 hours
A study of the location, mechanics, and action of the principal muscles of the body and their relation to the various types of physical skills. Prerequisites: PE 243 and HLT 353.

PE 314  CARE & PREVENTION OF ATHLETIC INJURIES  Every January Term/3 hours
A course designed to provide the students with a basic knowledge and understanding of the principles of sports medicine, the care and treatment of athletic trauma and the use of proper conditioning principles in prevention of injury. Recommended prerequisite: Kinesiology.

PE 323  PHYSICAL EDUCATION FOR ELEMENTARY GRADES  Every Spring and every Summer/3 hours
A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child.

PE 333  ATHLETIC COACHING, BASKETBALL  Every Fall/3 hours
A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.
Requirements for a Minor in Recreation

DEGREE REQUIREMENTS—RECREATION

For course descriptions see TUT 300/400 on page 66. Every semester/no credit.

Volunteer Tutoring 400
Every semester See page 66.

Independent Study 499
Education in all areas of physical education. Desgned for majors in physical education. Every semester, 3 hours.

Physical and Administrative Education 423
Organization and administration. Progession, choice and selection of appropriate activities and materials. Every semester, 3 hours.

Secondary School Education 424
See page 66. Every semester, 2 hours.

Departmental Tutoring 396
Descriptive play and coaching philosophy. Every semester, 3 hours.

Athletic Coaching: Baseball 383
A study of the fundamentals,ills.habits,learn organization, offensive and organizational, and administration. Every spring/3 hours.

Recreation Administration 373
A study of the philosophy, scope, and basic values of recreation. Every fall/3 hours.

Exceptional Child in Sports 363
A course designed to develop methods and techniques of teaching the exceptional child in motor activities. Emphasis is also placed on the activities. Every fall/3 hours.

Sports Officials 343
A study of the rules and mechanics of officiating softball, baseball, and football. Every fall/3 hours.
RECREATION

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

REC 213 RECREATIONAL ACTIVITIES  
See PE 213 on page 106.  

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

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

REC 373 RECREATION ADMINISTRATION  
See PE 373 on page 107.  

REC 396 DEPARTMENTAL TUTORING  
For course description see ACC 396 on page 84.  

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

TUT 300/400 VOLUNTEER TUTORING  
Every semester/No credit  
For course description see TUT 300/400 on page 85.  

DRIVER EDUCATION

DR 303 DRIVER EDUCATION  
Every Spring/3 hours  
Criminal Justice Courses
Criminal Justice
Degree Requirements
Public Administration Courses
Public Administration
Degree Requirements
Sociology Courses
Sociology
Degree Requirements
History Courses
History
Degree Requirements
Government Courses
Government
Social Science
Behavioral Sciences
Degree Requirements
Department Description
DEPARTMENT DESCRIPTION

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

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

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

DEGREE REQUIREMENTS—BEHAVIORAL SCIENCES

Requirements for a minor in Behavioral Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 213 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 313 Cultural Anthropology or</td>
<td>3</td>
</tr>
<tr>
<td>SOC 323 History of Social Thought</td>
<td>3</td>
</tr>
<tr>
<td>PSY 213 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PHI 213 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Psychology or Sociology (Upper division)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Not recommended for prospective teachers in secondary education.

DEGREE REQUIREMENTS—SOCIAL SCIENCE

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 113, 123, and 233 History of Civilization I, II, and III</td>
<td>9</td>
</tr>
<tr>
<td>HIS 213 and 223 Early and Recent American History</td>
<td>6</td>
</tr>
<tr>
<td>SOC 213 Principles of Sociology and</td>
<td>6</td>
</tr>
<tr>
<td>SOC 223 Social Problems</td>
<td></td>
</tr>
<tr>
<td>GOV 203 Federal and Arizona Government</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213 Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>Geography</td>
<td>3</td>
</tr>
<tr>
<td>Upper division courses in Social Studies</td>
<td>9</td>
</tr>
</tbody>
</table>

Requirements for a minor in Social Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 113 and 123 Civilization I and II, or</td>
<td>6</td>
</tr>
<tr>
<td>HIS 123 and 233 Civilization II and III, or</td>
<td>6</td>
</tr>
<tr>
<td>HIS 213 and 223 Early and Recent American History</td>
<td>6</td>
</tr>
<tr>
<td>SOC 213 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>GOV 203 Federal and Arizona Government</td>
<td>3</td>
</tr>
<tr>
<td>ECO 213 Principles of Economics I</td>
<td>3</td>
</tr>
<tr>
<td>Geography</td>
<td>3</td>
</tr>
</tbody>
</table>
HISTORY AND GOVERNMENT

HIST 103: Introduction to History of Government and Politics
A study of the political, social, and economic forces that have shaped the development of government and politics in the United States. Prerequisite: ENGL 101
Fall

HIST 104: American History
A study of the history of the United States from the colonial period to the present. Prerequisite: ENGL 101
Fall

HIST 105: World History
A study of the history of the world, focusing on the major political, economic, and social developments. Prerequisite: ENGL 101
Fall

GOVERNMENT

GOV 225: Federal Government
This course focuses on the three branches of government, the Constitution, and the role of government in modern society. Prerequisite: ENGL 101
Fall

GOV 226: Arizona Government
This course focuses on the history and structure of the government of Arizona. Prerequisite: ENGL 101
Spring

GOV 323: International Relations
An introduction to the study of international relations, focusing on the history, theory, and practice of international politics. Prerequisite: ENGL 101
Fall

GOV 313: Comparative Government
A study of the political systems of different countries, focusing on their historical development and current political structures. Prerequisite: ENGL 101
Fall

Arizona Teacher Certification Requirement for Arizona Government
This course meets the requirement for certification in Arizona government. Prerequisite: ENGL 101
Fall

GOV 203: Arizona Government
This course meets the requirement for certification in Arizona government. Prerequisite: ENGL 101
Fall

GOVERNMENT - FEDERAL AND ARIZONA

For course descriptions, see TUT 300/400 on page 55.

VOLUNTEER TRAINING

TUT 300/400

DEPARTMENTAL TRAINING

For course descriptions, see ACC 398 on page 84.

GOV 396: Volunteer Training

GOV 313: Departmental Training

PHYSICAL GEOGRAPHY

Geo 313: Physical Geography
A study of the physical environment, including topics such as climate, topography, vegetation, and landforms. Prerequisite: ENGL 101
Spring

WORLD GEOGRAPHY

Geo 233: World Geography
A course for teachers. A study of the division of the physical environment of the world. Prerequisite: ENGL 101
Fall

DEGREE REQUIREMENTS - GOVERNMENT

Department of History and Social Sciences
GOV 333  EARLY POLITICAL THOUGHT  Fall, 1984, 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, 1985, and alternate years/3 hours
Continuation of GOV 333. Deals with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and to the study of socialism, communism, and fascism in the modern world. Prerequisite: GOV 333 or sufficient work in history or philosophy to provide an adequate background.

GOV 393  AMERICAN DIPLOMATIC HISTORY  Spring, 1986, and alternate years/3 hours
Also HIS 393. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisite: 6 hours of history or government.

GOV 396  DEPARTMENTAL TUTORING  Every semester/2 hours
For course description see ACC 396 on page 84.

GOV 423  CONSTITUTIONAL HISTORY OF THE UNITED STATES  Spring, 1985, and alternate years/3 hours
Also HIS 423. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. Prerequisite: 6 hours of history or government.

TUT 300/400  VOLUNTEER TUTORING  Every semester/No credit
For course description see TUT 300/400 on page 85.

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

HISTORY

HIS 113  HISTORY OF CIVILIZATION I (TO THE RENAISSANCE)  Every semester/3 hours
Designed to introduce the student to the origin and early development of Western civilization, with attention given to the cultural, political, and socioeconomic factors. Non-Western civilizations are also considered.
HIS 333
THE RENAISSANCE AND REFORMATION

Fall, 1985, and alternate years/3 hours

STUDIES IN THE NON-WESTERN WORLD

On demand

HIS 317

A study of some aspects of the non-Western world. Geographical areas

MODERN BRITAIN

History 113 and 123, or permission of instructor
Institutions and their interaction with contemporary Europe. Peripheralties
particular attention given to their political, social, economic and cultural
development of the English people. Full, 1986, and alternate years/3 hours

HIS 314

18th, 19th, and 20th century Britain, with particular attention to

HIS 313
HISTORY OF ENGLAND

(to 1714)

17th century and the decline from that position in the 20th century.
Factors which contributed to Britain's position as a leading power into the 19th
century and the development of the English people. Full, 1986, and alternate years/3 hours

HIS 222
RECENT AMERICAN HISTORY

Every semester/3 hours

Stevens and the Civil War
New government nationalism and sectionalism, Western expansion,
A study of European Expansion in America, the English colonies, colonial

HIS 223
EARLY AMERICAN HISTORY

Every semester/3 hours

20th century, 19th century. Emphasis is placed on the role of the United States in the
parliamentarianism. Emphasis is placed on the role of the United States in which Europe expanded.
Attention is given to the role of the United States in the transformation of the world and
and the rise from mediocrity to early modern culture and

HIS 233
HISTORY OF CIVILIZATION III

(RENAISSANCE TO 1815)

Every semester/3 hours

Department of History and Social Sciences
HIS 353  CHURCH HISTORY
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.

HIS 373  LATIN AMERICAN HISTORY
Spring, 1986, 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, 1986, and alternate years/3 hours
Also ECO 383. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: ECO 201 and HIS 213 and 223.

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

HIS 396  DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see ACC 396 on page 84.
Electives in Sociology (6 hours upper division)
SOC 23 Social Problems

Requirements for a minor in Sociology

Electives in Sociology (18 hours upper division)
SOC 37 Social Research
SOC 33 History of Social Thought
SOC 22 Social Problems
SOC 21 Principles of Sociology and

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

Department of History and Social Sciences 115
SOCIOLOGY

SOC 213  PRINCIPLES OF SOCIOLOGY  Every semester/3 hours
A study of persons and their world: the social processes, including
cooperation, conflict, accommodation, and assimilation and the means of
social integration, including the various institutions such as the family, the
school, the church, business, and the state.

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

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

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

SOC 323  HISTORY OF SOCIAL THOUGHT  Every Spring/3 hours
A study of social thought from ancient to modern man. This course
investigates the background of modern sociology as it has been influenced
by outstanding social thinkers. Prerequisite: SOC 213.

SOC 333  MARRIAGE AND THE FAMILY  Every Fall/3 hours
A sociological analysis of the family, designed to contribute to an
understanding of its origin, structure, and functions and to present material
of a practical nature which will help young people who are seeking guidance
in the choice of a partner and in the adjustments necessary to successful
marriage and family life. Prerequisite: SOC 213 or junior standing.

SOC 343  JUVENILE DELINQUENCY  Every Spring/3 hours
A study of the extent and nature of juvenile delinquency: the social and
personal factors related to the development of delinquent habits and the
techniques for dealing with the delinquent and for redirecting youth
behavior into more desirable patterns. Prerequisite: SOC 213 or junior
standing.

SOC 353  THE MODERN CITY  Every Fall/3 hours
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 PSY 363 on page 101.
PUBLIC ADMINISTRATION

3 hours
PAD 421 Administration in Public Organizations
3 hours
PAD 422 Sector Organizations
3 hours
PAD 430 Financial Management of Public Sector Organizations
3 hours
BUs 323 Business Finance
3 hours
CS 223 Cobol
3 hours
SOC 349 Human Ecology
3 hours
SOC 355 The Modern City
3 hours
GOV 203 Arizona and Federal Government
3 hours
BUS 455 Organizational Behavior
3 hours
BUs 337 Principles of Management
3 hours
ECO 223 Principles of Economics
3 hours
ECO 212 Survey of Economics
6 hours
BUs 332 Principles of Accounting I and II
1 hour
ACC 214 and 233 Principles of Accounting I and II
1 hour
Problems and Solutions
1 hour
BUS 343 or PSY 365 Introduction to
BUs 332 Principles of Accounting I and II

Requirements for a major in Public Administration

DEGREE REQUIREMENTS—PUBLIC ADMINISTRATION

For course description see TUT 300/400 on Page 85.
Every Semester/No credit

VOLUNTEER TRAINEE

See Page 66.

INDIVIDUAL STUDY

See Page 66.

AMERICAN MINORITY PEOPLES

Every Semester/4 hours

PRACTICUM

See Page 66.

SOC 499

Every Semester/2 hours

For course description see ACC 396 on Page 64.
For course description see ACCT 396 on Page 64.

DEPARTMENTAL TREASURING

See EAS 384

SOC 384

Human Ecology

Implications and Principles of Program Planning

Also HTL 303: Alcohol Abuse Seminar

On demand/3 hours

SOC 373

Social Research

On demand/3 hours

Department of History and Social Sciences
PAD 430  FINANCIAL MANAGEMENT OF PUBLIC SECTOR ORGANIZATIONS  
Fall, 1985, and alternate years/ 3 hours
Aquisition, allocation and management of financial resources for public and other not-for-profit organizations. Emphasis on the budgetary process and financial control systems. Prerequisites: ACC 214 and 233; BUS 323.

TUT 300/  VOLUNTEER TUTORING  
400  Every semester/No credit
For course description see TUT 300/400 on page 85.

DEGREE REQUIREMENTS—CRIMINAL JUSTICE

Requirements for a minor in Criminal Justice

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</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 400</td>
<td>Internship in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJ 440</td>
<td>Criminal Justice Management</td>
<td>3</td>
</tr>
</tbody>
</table>
INTERNSHIP IN CRIMINAL JUSTICE

Departmental Internship, 0.5 credit hour, 1.25 units, 10 hours/semester, 2 hours/semester/1-3 hours.

For course exception see ACC 396 on page 64.

Departmental Internship

Prerequisite: CJI 200, and approval of instructor.

On demand/3 hours.

CJ 396

A conceptual examination of the criminal justice system. Information on arrangements, decision making, and practice. Arrangements are arranged through the student. On demand/3 hours.

CJ 380

THEORY OF CRIMINAL JUSTICE

Prerequisites: CJI 200, CJI 201, and approval of instructor.

An introduction to the psychological, social, and cultural dimensions of criminal justice. On demand/3 hours.

CJ 310

THE CORRECTIONAL FUNCTION

Prerequisites: CJI 200, CJI 201, or approval of instructor.

The role of the correctional system in society. On demand/3 hours.

CJ 308

THE EDUCATION FUNCTION

Prerequisites: CJI 200 or approval of instructor.

The role of education in the correctional system. On demand/3 hours.

CJ 306

THE POLICE FUNCTION

Prerequisites: CJI 200 or approval of instructor.

The role of the police in the criminal justice system. On demand/3 hours.

CJ 201

ISSUES IN CRIMINAL JUSTICE

The role of the criminal justice system in society. On demand/3 hours.

CJ 200

INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM

CJ 400

CJ 498 Pro Sem 3 hours

CJ 499 Independent Study

CRIMINAL JUSTICE

CJ 480 Criminal Justice Education

CJ 460 Substantive Criminal Law

CJ 461 Substantive Criminal Law

CJ 310 Correction Function

CJ 308 Adjudication Function

CJ 306 Police Function

50 hours from the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJ 440</td>
<td>CRIMINAL JUSTICE MANAGEMENT</td>
<td>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.</td>
</tr>
<tr>
<td>CJ 461</td>
<td>SUBSTANTIVE CRIMINAL LAW</td>
<td>On demand/3 hours Criminal liability. Crimes against persons, property, and society. Governmental sanctions of individual conduct as formulated by legislatures and the courts. Prerequisite: CJ 360 or approval of instructor.</td>
</tr>
<tr>
<td>CJ 462</td>
<td>PROCEDURAL CRIMINAL LAW</td>
<td>Spring, 1986, 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.</td>
</tr>
<tr>
<td>CJ 498</td>
<td>PRO-SEMINAR</td>
<td>On demand/3 hours Small group study and research for advanced students. Prerequisites: CJ 200, CJ 201, and one upper division criminal justice course or approval of instructor.</td>
</tr>
<tr>
<td>CJ 499</td>
<td>INDEPENDENT STUDY</td>
<td>See page 68.</td>
</tr>
<tr>
<td>TUT 300/400</td>
<td>VOLUNTEER TUTORING</td>
<td>Every semester/No credit For course description see TUT 300/400 on page 85.</td>
</tr>
</tbody>
</table>
Spanish
German
French
Modern Languages
Degree Requirements—
Teaching
English Grammar and
General Courses
English Writing
American Literature
English Literature
English
Degree Requirements—
Art Education
Design Studio
Art History
Art
Department Description

Plumoniaco
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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 333, 343, 353, 363</td>
<td>Art History</td>
<td>12</td>
</tr>
<tr>
<td>AH 373</td>
<td>Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>AR 203</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>DGN 213</td>
<td>Basic Studio Techniques</td>
<td>2</td>
</tr>
<tr>
<td>DGN 243, 253</td>
<td>Two- and Three-Dimensional Design</td>
<td>6</td>
</tr>
<tr>
<td>AR 243</td>
<td>Photography I</td>
<td>3</td>
</tr>
<tr>
<td>AR 223, 253, 263, 273, 283, or DGN 233</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>AR 303, 323, 343, 353, 363, 373, 383, or DGN 333</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AR 431</td>
<td>Portfolio Competence</td>
<td>4</td>
</tr>
<tr>
<td>AR 481</td>
<td>Studio Problems</td>
<td>9</td>
</tr>
<tr>
<td>DGN 481</td>
<td>Design Problems</td>
<td>9</td>
</tr>
</tbody>
</table>

60 hours

Entrance into the Studio Art major will require taking the courses Drawing I, Two- and Three-Dimensional Design and 3 hours in a 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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 333, 343</td>
<td>Art History I, II</td>
<td>6</td>
</tr>
<tr>
<td>AH 353</td>
<td>American Art, or AH 363 Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>AH 373</td>
<td>Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>AR 203</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>DGN 213</td>
<td>Basic Studio Techniques</td>
<td>2</td>
</tr>
<tr>
<td>DGN 243, 253</td>
<td>Two- and Three-Dimensional Design</td>
<td>6</td>
</tr>
<tr>
<td>AR 223, 243, 253, 263, 273, 283, or DGN 233</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>AR 303, 323, 343, 353, 363, 373, 383, or DGN 333</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>AR 431</td>
<td>Portfolio Competence</td>
<td>4</td>
</tr>
</tbody>
</table>
Students who wish to qualify for K-12 certification must earn 46 hours which includes AE 422 and AE 303.

Requirements for a Teaching Minor in Art

Upper Division Elective

AR 222, 243, 253, 263, 273, 283, 288, 298, 363, 393, 398
AE 333
AE 343
AE 233, 243, 253, 263, 273, 283, 288, 363, 393, 398
AR 423, 443, 453
AR 203, 303
AF 353
AF 363

Requirements for a General Minor in Art

Upper Division Elective

AR 481 or DGN 481
AR 303, 323, 343, 353, 373, 383, 393, 398, 403
AR 222, 243, 253, 263, 273, 283, 288, 298, 363, 393, 398
AR 333, 343, 353, 363
AR 203, 303
AF 353
AF 363

Requirements for a Minor in Studio Art

Either major requires a minimum of 12 hours upper division courses.

Upper Division Elective

AR 481 or DGN 481
AR 303, 323, 343, 353, 373, 383, 393, 398, 403
AR 222, 243, 253, 263, 273, 283, 288, 298, 363, 393, 398
AR 333, 343, 353, 363
AR 203
AF 353
AF 363

A minor is not required for students receiving Secondary certification.

B.A. (Degree)

Requirements for a Major in Art with emphasis on Teaching

Upper Division Elective

AR 481 Design Problems and Techniques
AR 481 Studio Problems and Techniques
DN 481 Design Problems and Techniques

Three- and Four-Dimensional Design

DN 243, 253 Two- and Three-Dimensional Design
DN 243, 253 Two- and Three-Dimensional Design
DN 243, 253 Two- and Three-Dimensional Design

Department of Humanities

123
ART HISTORY

AH 112  INTRODUCTION TO ART  Every semester/3 hours
A brief introduction to the act of making quality judgements about art
objects and situations. Special emphasis on the meaning of art as it relates
to other personal interests of each individual. Actual art projects, art history
and appreciation will be explored. No credit for art major or minor.

AH 333  ART HISTORY I  Fall, 1984, and alternate years/3 hours
A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval
European art to the Renaissance.

AH 343  ART HISTORY II  Spring, 1985, and alternate years/3 hours
A survey of Occidental Art during the Renaissance, Mannerist, Baroque,
Rococo, Neo-classic, Romantic, and Modern epochs.

AH 353  AMERICAN ART  Fall, 1985, and alternate years/3 hours
History of art in the United States from European settlement of the New
World to today.

AH 363  CONTEMPORARY ART  Spring, 1986, and alternate years/3 hours
Recent and current trends in art with special consideration of new concepts
and experimentation with media and modes of presentation.

AH 373  AESTHETICS I  Every Fall/3 hours
An introduction to aesthetics from historical, philosophical, and theoretical
frames of reference. Provides an overview of major ideas relating to art and
criticism from the time of Plato through prespace-age twentieth century.

AH 396  DEPARTMENTAL TUTORING  Every semester/2 hours
For course description see ACC 396 on page 84.

TUT 300/400  VOLUNTEER TUTORING  Every semester/No credit
For course description see TUT 300/400 on page 85.

ART STUDIO

AR 203  DRAWING I  Every Fall/3 hours
Introduction to the basic elements of line, value, texture etc. with emphasis
on composition and media usage such as pencils, charcoal, esal.

AR 223  PRINTMAKING I  Every Fall/3 hours
An introduction to basic techniques of printmaking such as etching, relief,
silkscreen and photographic processes. Creative ideas will be emphasized
as well as the development of basic technical skills.

AR 243  PHOTOGRAPHY I  Every semester/3 hours
An introduction to black and white photography exploring basic techniques
in camera operation, film and print processing, composition and
presentation. Lecture and darkroom laboratory periods.

AR 253  JEWELRY I  Every Fall/3 hours
An introduction to the basic jewelry processes of sheet fabrication and lost-
wax casting. Emphasis will be on developing creative and functional designs
as well as developing skill in working with metal.

AR 263  CERAMICS I  Every semester/3 hours
An introduction to the nature of clay and glazes, with an emphasis being
placed on the forming techniques of handbuilding and the use of the
potter's wheel.
CERAMICS II AR 363

Continue studio work with emphasis on forming clay, emphasis is also placed on glaze application and surface decoration. Pre-requisite: AR 263.

JEWELRY II AR 333

Photography

A continuation of the techniques of jewelry making with advanced problems developed in Awareness of Contemporary trends, emphasis will be on creative design and technical abilities available as tools for creative expression in black and white photography. A course designed to expand the student's knowledge and use of materials.

PHOTOGRAPHY II AR 343

ART WORKSHOP AR 322

Pre-requisite: AR 223.

PRINTMAKING II AR 323

Pre-requisite: AR 203 or approval of instructor.

DRAWING II AR 303

MATERIALS SUCH AS PAPERS AND CHALKS AS WELL AS MIXED MEDIA'S. PRE-REQUISITES: EXPRESSION OF CONCEPTUAL IDEAS AND CONCEPTS THROUGH THE USE OF A VARIETY OF FORMS SUCH AS COLOR AND HARMONY.

PAINTING I AR 283

PRE-REQUISITES: EMPHASIS ON THE USE OF MEDIA AND TECHNIQUES, MOVEMENT, SPACE, AND COLOR. AN INTRODUCTION TO THE SCULPTING PROCESS OF CARVING, MODELING, AND EXPRESSION.
AR 373  **SCULPTURE II**  *Every Spring on demand/3 hours*
Continued exploration of sculpting processes of casting, welding, and plastics. Prerequisite AR 273.

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

AR 396  **DEPARTMENTAL TUTORING**  Every semester/2 hours
For course description see **ACC 396** on page 84.

AR 403  **LIFE DRAWING**  On demand/3 hours
Development of skill in drawing the basic form, construction, and gesture, from the human figure; emphasizes anatomical structure. Prerequisites: DGN 243 and AR 303 or approval of instructor.

AR 431  **PORTFOLIO COMPETENCE**  Every Spring/4 hours
The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and resume. This course will also include inquiry into promotional, legal, and contractual arrangements for the artist.

AR 481  **STUDIO PROBLEMS AND TECHNIQUES**  By arrangement/1, 2, 3, 4 hours
Advanced studio problems in the medium of the student's choice. Prerequisite: Approval of instructor only.

**TUT 300/400**  **VOLUNTEER TUTORING**  Every semester/No credit
For course description see **TUT 300/400** on page 85.

*Or by arrangement.

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**DESIGN STUDIO**

DGN 213  **BASIC STUDIO TECHNIQUES**  Every Fall/2 hours
An introduction to shop techniques and how they relate to the various fields of art. Emphasis will be in construction of specific projects relating to other department courses and on the operation of shop equipment.

DGN 223  **GRAPHIC DESIGN I**  Every Fall/3 hours
An introduction to the basic visual organization of advertising elements and instruction in the use of equipment and tools of the professional designer.

DGN 243  **TWO-DIMENSIONAL DESIGN**  Every Fall/3 hours
Basic principles of the structural aspects of graphic arts are explored in laboratory and lecture. Also explores the communicative value of visual images.

DGN 253  **THREE-DIMENSIONAL DESIGN**  Every Spring/3 hours
Explores basic principles of the structural aspects of plastic arts, with emphasis on the analysis of volume and space relationships.

DGN 323  **GRAPHIC DESIGN II**  Every Spring on demand/3 hours
Further study of visual communications through the use of verbal and visual elements. Emphasis will be on creative problem solving and concept development. Includes preparation of art work for reproduction.

DGN 396  **DEPARTMENTAL TUTORING**  Every semester/2 hours
For course description see **ACC 396** on page 84.
effective English, spoken and written, acquire a command of clear and
mastery of English and American English. The English Department of Humanities 127
possess or develop a major interest in

THE INSTRUCTION GIVEN IN ENGLISH

DEGREE REQUIREMENTS - ENGLISH

and development in the arts for students on the secondary school level.
Explosion of materials, theory, and organization for presenting art activities
Fall, 1985, and alternate years/3 hours
AE 423
ART IN THE HIGH SCHOOL

Elementary level includes specific knowledge of two and three-dimension processes, classroom observation and actual teaching
Emphasis on practical hands-on experiences suitable for children of various
introduction to the language and structure of art education within
Every Spring/3 hours

AE 323
ART MEDIA AND METHODS FOR THE

Elementary teacher

AE 303
ART IN THE ELEMENTARY SCHOOL

ART EDUCATION

For course description see TUT 300/400 on page 65.
Every semester/no credit

TUT 300/400
Volunteer Tutoring

Approval of instructor only.

Advanced design problems in the medium of the student's choice. By
By arrangement/1, 2, 3, 4 hours

481
Design Problems

481
Design Techniques
that will prepare one to assume a responsible position in the American community. The second objective is the development of the ability to read good literature with appreciation and enjoyment and with an awareness of the values presented. The third objective, for the major in English, is a more specific study of the skills and knowledge involved in the first two objectives. The student who has majored in English should be equipped to write effectively and imaginatively and should have a knowledge of the authors whose works illustrate the development of English and American language and literature.

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

Students who major in English have a choice of three areas of emphasis: literature, writing, and teaching.

\textbf{English major with emphasis on Literature}

The English literature major shall consist of 30 semester hours, 15 of which must be upper division. The English faculty urges English majors to include a foreign language in their programs. Most graduate schools prefer French or German, but Spanish is undoubtedly more valuable in the job market. The following courses or their equivalents are required for the English literature major.

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

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

\begin{itemize}
\item EEW 343 Advanced Composition
\item EEW 453 Creative Writing
\item EEW 483 Seminar in Writing
\item EEW 323 Writing for Publication
\item ELG 363 Advanced Grammar
\end{itemize}

\textbf{English major with emphasis on Writing}

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

\begin{itemize}
\item EEW 313 Business and Technical Writing
\item EEW 343 Advanced Composition
\item EEW 483 Seminar in Writing (may be repeated for a maximum of 6 hours)
\item EEW 323 Writing for Publication (may be repeated for a maximum of 6 hours)
\item EEW 453 Creative Writing (may be repeated for a maximum of 6 hours)
\item ETL 333 The Short Story
\item ETL 413 The Novel
\item JRN 213, 313 Small Newspaper
\end{itemize}
English minor in English

Required for a minor in English

Upper division electives in English
ETL 213, 223 English Literature I, II
ETW 102 Composition and Literature
ETW 101 Grammar & Composition,

24 hours

Upper division electives in English
ETW 313, 323 American Literature I, II
ETW 23, 223 English Literature I, II
ETW 102 Composition and Literature
ETW 101 Grammar & Composition,

Psychology for state certification and
Department of Education and meet all the requirements of the
Students who plan to teach must

ETW 323 Writing for Publication
ETW 436 Seminar in English
ETW 454 Creative Writing
ETW 453 Advanced Composition

At least one upper division course in writing chosen from the following:

ETL 413 The Novel
ETL 333 The Short Story or
ETL 464 Advanced Grammar
EMA 423 Shakespearean

ETW 323 American Literature I
ETW 322 American Literature I
ETW 323 Modern & Victorian
ETW 323 English Literature: Victorian and Modern
ETL 38, 223 English Literature I, II
ETL 38, 223 English Literature I, II

The English Teaching major shall consist of the following courses:

English major with emphasis on Teaching

EDN 243 Two Dimensional Design
AR 203 Drawing I
CS 113 Introduction to Computer Science
DRA 198 Acting I
AR 243, 243 Photography I, II

Recommended electives for this major include:
Requirements for a minor in Communications

Group I: English Writing

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

6-12 hours

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 hours

18 hours

General education requirements for English majors:

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

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

ENGLISH LITERATURE

EEL 213 ENGLISH LITERATURE I
Every Fall/3 hours
A study of selected classical backgrounds of English literature, the Old English period and the English Renaissance. Prerequisites: EEW 101 and EEW 102.

EEL 223 ENGLISH LITERATURE II
Every Spring/3 hours
Continuation of EEL 213, covering the period from the Restoration through the Romantic period. Prerequisites: EEW 101 and EEW 102.

EEL 363 ENGLISH LITERATURE:
VICTORIAN AND MODERN
Every Spring/3 hours
A study of the major Victorian poetry and prose and selected works from the modern period. Prerequisites: EEL 223 or junior standing.

EEL 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see ACC 396 on page 84.

EMA 423 SHAKESPEARE
Spring, 1985, and alternate years/3 hours
A study of the major Shakespearean comedies and tragedies and of Shakespeare's development as a dramatist. Prerequisite: EEL 213 or junior standing.

TUT 300/ VOLUNTEER TUTORING
400 Every semester/No credit
For course description see TUT 300/400 on page 85.

AMERICAN LITERATURE

EAL 313 AMERICAN LITERATURE I
Every Fall/3 hours
A study of outstanding authors, their works and the literary movements from the Colonial Age to Romanticism (1850). Prerequisite: Junior standing.
ENGLISH WRITING

For course description see TUT 300/400 on page 65.

Every semester/4 credit

TUT 300/400

Volunteer Tutoring

Precalculus: EEL 223 or Junior Standing.

A study of the major works of American Literature since World War I.

EAL 463

American Literature: Modern

For course description see ACC 396 on page 64.

EAL 396

Departmental Tutoring

A study of Local Color, Regionalism, and Naturalism, especially in prose and poetry from 1890 to World War I. Precalculus: Junior Standing.

EAL 323

American Literature II

Department of Humanities 131
EEW 453  CREATIVE WRITING  Fall, 1984, and alternate years/3 hours
A course for students who are particularly interested in writing fiction or
poetry. May be repeated for a maximum of 6 hours.

EEW 483  SEMINAR IN WRITING  Fall, 1985, and alternate years/3 hours
A course planned for students who have shown exceptional ability in writing
and who are interested in independent research or creative writing. May be
repeated for a maximum of 6 hours.

TUT 300/ 400  VOLUNTEER TUTORING  Every semester/No credit
For course description see TUT 300/400 on page 85.

GENRE COURSES

ETL 333  THE SHORT STORY  Fall, 1984, and alternate years/3 hours
A study of the short story, its development, the different types and an analysis
of technique. Prerequisite: Junior standing.

ETL 412  THE NOVEL  Fall, 1985, and alternate years/3 hours
A study in the development of the novel which includes reading and
discussion of novels from different areas of the world. Novels not written in
English will be studied in English translations. Prerequisite: Junior
standing.

ENGLISH GRAMMAR AND TEACHING

EET 473  THE TEACHING OF ENGLISH  On demand, by reading and conference/3 hours
A methods course designed primarily for persons who are planning to teach
English at the secondary level. Attention is given to content, but especially to
the organization of material for effective presentation.

ELG 363  ADVANCED GRAMMAR  Spring, 1985, and alternate years/3 hours
A study of syntax, form, and mechanics of English grammar in the light of its
historical background.

JOURNALISM

JRN 213  SMALL NEWSPAPER  On demand/3 hours
A course that presents the principles of journalism as they apply to the small
newspaper. Laboratory experience provided by the college paper.

JRN 313  SMALL NEWSPAPER  Continuation of JRN 213.

DEGREE REQUIREMENTS—MODERN LANGUAGE

The study of modern languages enlarges the students' awareness and
appreciation of other cultures by helping them to develop tools of
language which will enable them to pursue new interests. The materials
and methods of presentation employed by the department are
grounded in the belief that there is a high degree of correlation between
one's appreciation of other cultures and one's ability to use their
languages.

Language courses should be taken consecutively.
For course description see TUT 300/400 on page 85.

Every semester/4 credit

TUT 300/400

For course description see ACC 396 on page 84.

Every semester/2 hours

Deparmental Tutoring

FR 396

Spring on demand/3 hours

Continuation of FR 213.

FR 223

Intermediate French

FR 213


FR 124

FR 114 or equivalent

Elimentary French

FR 114

A study stressing conversation and the fundamentals of grammar.

Fall on demand/4 hours

FR 114

FRENCH

By special arrangement with the chairperson.

University

Minor in French and German

French would require a minimum of eighteen semester hours at least six being upper division. Students of German, such a minor, German or French must be approved by the chairperson of the department and with the approval of the department chair. A student may obtain a minor in German and French.

SP 343, 413

SP 123, 223 Intermediate Spanish

SP 114, 124 Elementary Spanish

Requirements for a Minor in Spanish

Personal

Student should begin their college

Language

Student determines the level at which

Foreign language in which they are to

Language, the individual instructor

Those planning to teach foreign

Language, the second

B.A. degree programs

First semester of a language only

The College grants credit for the

Department of Humanities 133
## GERMAN

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 114</td>
<td>ELEMENTARY GERMAN</td>
<td>Fall</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>A program of study using a text-workbook, practice tapes, computer practice, and classroom experience to develop the fundamentals of hearing, speaking, reading, and writing.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GER 124</td>
<td>ELEMENTARY GERMAN</td>
<td>Spring</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>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</td>
<td>3</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>
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</tr>
<tr>
<td>GER 223</td>
<td>INTERMEDIATE GERMAN</td>
<td>Spring</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Continuation of GER 213.*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GER 396</td>
<td>DEPARTMENTAL TUTORING</td>
<td>Every</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>semester</td>
<td></td>
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<tr>
<td></td>
<td>For course description see ACC 396 on page 84.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TUT 300/</td>
<td>VOLUNTEER TUTORING</td>
<td>Every</td>
<td>2</td>
</tr>
<tr>
<td>400</td>
<td>semester/No credit</td>
<td></td>
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<tr>
<td></td>
<td>For course description see TUT 300/400 on page 85.</td>
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</tbody>
</table>

## SPANISH

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Term</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPA 114</td>
<td>ELEMENTARY SPANISH</td>
<td>Every Fall</td>
<td>4</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</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>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</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Grammar review, conversation, composition, and the reading of suitable texts. Prerequisite: SPA 124.*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 223</td>
<td>INTERMEDIATE SPANISH</td>
<td>Every Spring</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Continuation of SPA 213.*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 343</td>
<td>SPANISH COMPOSITION THROUGH LITERATURE</td>
<td>Every Fall</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>A course designed to give the student practice in writing in Spanish about Spanish literature and current issues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 396</td>
<td>DEPARTMENTAL TUTORING</td>
<td>Every</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For course description see ACC 396 on page 84.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPA 413</td>
<td>SPANISH LITERATURE</td>
<td>Every Spring</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Designed to expand the students' knowledge of Spanish literature and civilization and to advance their reading competence. Emphasis on oral self-expression.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TUT 300/</td>
<td>VOLUNTEER TUTORING</td>
<td>Every</td>
<td>2</td>
</tr>
<tr>
<td>400</td>
<td>semester/No credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For course description see TUT 300/400 on page 85.</td>
<td></td>
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</tr>
</tbody>
</table>

*Upon recommendation of the instructor, a student may enroll in intermediate language courses as 4/hour courses, in which case special projects will be required.
DEPARTMENT DESCRIPTION

The Department of Natural Sciences and Mathematics, as an integral part of the liberal arts foundation of Grand Canyon College, endeavors to provide every student with a broad introduction to science and mathematics at the college level. It stresses the spirit and method of science and the concepts and contributions of mathematics.

The department seeks to provide appropriate courses for students wishing to specialize in the fields of biology, chemistry, environmental science, computer science, and mathematics. It seeks to prepare students in these disciplines to be qualified for graduate study, professional training, or industrial employment.

Counseling and close association with faculty provide students an opportunity to not only acquire academic knowledge and technical skills, but to appreciate the social and economic contributions of science to society. The necessity of academic excellence, spiritual maturity, and social responsibility is stressed in all areas of study.

The department endeavors to keep students aware of career opportunities in each of its disciplines. In addition to pre-graduate or pre-professional studies, students may complete the basic science courses required for careers in technical fields such as medical technology, nutrition, physical therapy, or pharmacy.

Departmental Seminar

All biology, chemistry, and environmental science majors are required to register for and attend SCI 100, Departmental Seminar in each of their last four semesters.

All science majors must present at least one scholarly seminar prior to graduation. During this semester they should register for BIO 401, CHE 401, or EVS 401.

REQUIREMENTS—PRE-MEDICAL

Requirements for Pre-Medicine, Pre-Dentistry, Pre-Veterinary Medicine, or Pharmacy

Students who plan to apply for admission to medical, dental, veterinary medicine, or pharmacy schools may major in any discipline. However, the following courses are generally required:

- BIO 151, 152 General Biology 8 hours
- CHE 114, 115 General Chemistry 8 hours
- CHE 324, 325 Organic Chemistry 8 hours
- PHY 114, 115 or PHY 111, 112 Physics 8 hours

Since other courses may be required by particular schools, students are encouraged to determine these requirements early in their undergraduate careers. The pre-medical advisor should be consulted for course scheduling. A broad liberal arts background is important in the health sciences including courses in psychology, sociology, and the humanities. In addition, electives from the following list should be considered: BIO 151, 152, 324, 344, 424, 434; CHE 314, 354, 424, 434; MAT 153, 163.
A complete overview of the science of biology from a human perspective. Every semester/4 hours

BIO 100 HUMAN BIOLOGY

Does not apply toward the Biology major. No prerequisite.

Biology, anatomy, and physiology. This lecture is the lab. This course endeavors to study biology at the general level. Students who complete this course will be prepared for a career in medicine or health sciences. For students preparing for professional schools of medicine or a career in medicine, the biology major is recommended. The biology major will require four years of study in the area of General Studies requirements. The student who completes a biology major will be prepared for a career in medicine, or for graduate study in a related area.

Every semester/4 hours

**BIOLOGY**

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

<table>
<thead>
<tr>
<th>10 hours</th>
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<tbody>
<tr>
<td>Required for a minor in Biology</td>
</tr>
<tr>
<td>BTO 131, 132 General Biology I, II</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>8 hours</th>
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<tbody>
<tr>
<td>Electives in Biology (6 hours upper division)</td>
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</table>

<table>
<thead>
<tr>
<th>3 hours</th>
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</thead>
<tbody>
<tr>
<td>Elective in Probability and Statistics</td>
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<table>
<thead>
<tr>
<th>3 hours</th>
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</thead>
<tbody>
<tr>
<td>Computer Science</td>
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<table>
<thead>
<tr>
<th>4 hours</th>
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<tbody>
<tr>
<td>Mathematics</td>
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<table>
<thead>
<tr>
<th>5 hours</th>
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</thead>
<tbody>
<tr>
<td>Chemistry</td>
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</table>

**Recommended for a Biology Major**

<table>
<thead>
<tr>
<th>12 hours</th>
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<tbody>
<tr>
<td>Electives in Biology</td>
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</table>

<table>
<thead>
<tr>
<th>1 hour</th>
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</thead>
<tbody>
<tr>
<td>BTO 401 Senior Seminar</td>
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</table>

<table>
<thead>
<tr>
<th>4 hours</th>
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</thead>
<tbody>
<tr>
<td>BTO 341, 342 Genetics and Genomics Lab</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 hours</th>
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</thead>
<tbody>
<tr>
<td>BTO 264, 265 Ecology and Conservation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4 hours</th>
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</thead>
<tbody>
<tr>
<td>BTO 251, 252 Anatomy and Physiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTO 151, 152 Biology I, II</td>
</tr>
</tbody>
</table>

**Degree Requirements—Biology**

<table>
<thead>
<tr>
<th>40 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC 100 Departmental Seminar</td>
</tr>
</tbody>
</table>

**Transition:**

Department of Natural Sciences and Mathematics 137
BIO 151  GENERAL BIOLOGY I  
Every Fall/4 hours
A comprehensive introduction to Biology. The first semester will cover cellular biology, genetics, taxonomy and a survey of the plant kingdom. 3 hrs lecture, 3 hrs lab. No prerequisite.

BIO 152  GENERAL BIOLOGY II  
Every Spring/4 hours
Continuation of BIO 151 with emphasis on reproduction, development, population dynamics, ecology, evolution, and animal anatomy and physiology. 3 hrs lecture, 3 hrs lab. Prerequisite: BIO 151.

BIO 251  HUMAN ANATOMY AND PHYSIOLOGY I  
Every Fall/4 hours
A study of the structure and function of the following human systems: nervous, endocrine, reproductive, and digestive. 3 hrs lecture, 3 hrs lab. Prerequisite: Permission of instructor.

BIO 252  HUMAN ANATOMY AND PHYSIOLOGY II  
Every Spring/4 hours
A study of the structure and function of the following human systems: skeletal, muscular, cardiovascular, respiratory and urinary. 3 hrs lecture, 3 hrs lab. Prerequisite: BIO 251 or permission of instructor.

BIO 264  ECOLOGY AND CONSERVATION  See EVS 264 on page 141.

BIO 324  GENETICS  
Every Spring/3 hours
Also EVS 324. A study of the principles of heredity including molecular aspects, basic Mendelian genetics, and population genetics. 3 hrs lecture. Prerequisites: BIO 151, 152 or permission of instructor.

BIO 325  GENETICS LABORATORY  
Every Spring/1 hour
Also EVS 325. Laboratory experiments in genetics utilizing bacteria, fungi, and Drosophila melanogaster. Current matriculation in BIO 324. 3 hrs lab.

BIO 344  MICROBIOLOGY  
Every semester/4 hours
Also EVS 344. An introduction to the principles and applications of microbiology, with a study of the general characteristics of microorganisms and their relationship to man. Laboratory exercises include techniques of identification and handling of micro-organisms. 3 hrs lecture, 3 hrs lab. Prerequisite: BIO 151, 152 or permission of instructor.

BIO 354  BIOCHEMISTRY  See CHE 351 on page 140.

BIO 374  AQUATIC ECOLOGY  See EVS 374 on page 141.

BIO 384  HUMAN ECOLOGY  See EVS 384 on page 141.

BIO 396  DEPARTMENTAL TUTORING  
Every semester/2 hours
For course description see ACC 396 on page 84.

BIO 399  PRACTICUM  See page 68.

BIO 401  SENIOR SEMINAR  
Every semester/1 hour
All graduates are required to prepare and present a scholarly seminar before the science faculty and students. Students should register for this course during the semester in which they plan to give their senior seminar.

BIO 424  PARASITOLOGY  
Fall, 1986, and alternate years/4 hours
The morphology, life cycles, epidemiology, pathology, diagnosis and treatment of parasites or parasitic diseases. For illustrations of parasitic types and principles, an emphasis is placed upon those species with medical
## CHEMISTRY

### CHEMISTRY 101

Introduction to Chemistry.

Survey of the properties and reactions of organic compounds.

Every Spring, 4 hours.

### CHEMISTRY 102

Introduction to Organic Chemistry.

Topics covered include determination and reactions of organic compounds, with emphasis on the chemical nature of biological processes.

Every Fall, 4 hours.

### Requirements for a Minor in Chemistry

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Elective in Chemistry 1 hom.</td>
</tr>
<tr>
<td>8</td>
<td>CHE 224 325 Organic Chemistry I, II</td>
</tr>
<tr>
<td>8</td>
<td>CIE 114 115 General Chemistry I, II</td>
</tr>
</tbody>
</table>

### Requirements for a Major in Chemistry (B.S. Degree)

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>PHY 114 115 Physics I, II</td>
</tr>
<tr>
<td>8</td>
<td>MAT 210 220 Calculus I, II</td>
</tr>
<tr>
<td>8</td>
<td>CHE 324 325 Physical Chemistry</td>
</tr>
<tr>
<td>1</td>
<td>CHE 410 Seminar</td>
</tr>
<tr>
<td>4</td>
<td>CHE 311 Biochemistry</td>
</tr>
<tr>
<td>5</td>
<td>CHE 341 Analytical Chemistry</td>
</tr>
<tr>
<td>8</td>
<td>CIE 324, 325 Organic Chemistry I, II</td>
</tr>
<tr>
<td>8</td>
<td>CIE 114 115 General Chemistry I, II</td>
</tr>
</tbody>
</table>

### Degree Requirements - Chemistry

For course description see TUT 300/400 on page 85.

400 Volunteer Tutoring

For credit, 3 hours include the topic of human development and the principles of development.

### Biology

<table>
<thead>
<tr>
<th>499</th>
<th>Independent Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Pre-Requisite: Permission of Instructor.</td>
</tr>
<tr>
<td>73</td>
<td>Pre-Requisite: Bio 151, 152 or permission of instructor.</td>
</tr>
</tbody>
</table>

### Advanced Topics in Biology

| 434 | Embryology |

Department of Natural Sciences and Mathematics
CHE 114  **GENERAL CHEMISTRY I**  Every Fall/4 hours
An exploration of the principles of modern chemistry. Topics covered include the chemical and physical properties of elements and compounds, reaction stoichiometry, equilibria, and energetics, atomic and molecular structure. 3 hrs lecture, 3 hrs lab. Prerequisite: A mathematics competency test is required prior to registration in this course.

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

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

CHE 324  **ORGANIC CHEMISTRY I**  Every Fall/4 hours
Systematic study of the chemistry of carbon compounds. Structure, synthesis, reactions, and analysis of aliphatic and aromatic compounds are covered. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 115.

CHE 325  **ORGANIC CHEMISTRY II**  Every Spring/4 hours
Continuation of CHE 324. Analysis and reactions of organic functional groups, and the relationship of structure to reaction mechanisms are covered. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 324.

CHE 351  **BIOCHEMISTRY**  Every Spring/4 hours
Also BIO 354. Study of the chemical basis of biological processes. Topics covered include protein structure and function, carbohydrate and lipid chemistry, nucleic acids and genetic function, biological energy production, and photosynthesis. 3 hrs lecture, 4 hrs lab. Prerequisite: CHE 324.

CHE 396  **DEPARTMENTAL TUTORING**  Every semester/2 hours
For course description see ACC 396 on page 84.

CHE 399  **PRACTICUM**  Every semester/1-4 hours
See page 68. May be repeated for credit.

CHE 401  **SENIOR SEMINAR**  Every semester/1 hour
All graduates in Chemistry are required to prepare and present a scholarly seminar before the science faculty and students. Students should register for this course during the semester in which they plan to give their senior seminar.

CHE 424  **PHYSICAL CHEMISTRY I**  Every Fall/4 hours
A study of the physical and chemical behavior of gases, liquids, solids, and solutions. Treatment includes thermodynamics, electrochemistry, and the kinetic molecular theory of ideal and non-ideal gases. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 125 and MAT 163.

CHE 425  **PHYSICAL CHEMISTRY II**  Every Spring/4 hours
Continuation of CHE 424. The development of modern atomic theory is studied, with emphasis on quantum theory, ligand fields, and molecular spectroscopy. 3 hrs lecture, 3 hrs lab. Prerequisite: CHE 424.

CHE 499  **INDEPENDENT STUDY**  Every semester/1-4 hours
See page 68. May be repeated for credit.

**TUT 300/400**  VOLUNTEER TUTORING  Every semester/No credit
For course description see **TUT 300/400** on page 85.
Environmental Science

The study of environmental science is highly interdisciplinary in nature. The core of environmental science consists of the foundation of the environmental sciences, which include such disciplines as biology, chemistry, and physics. Science majors should develop strong skills in at least one or more of these disciplines. Environmental science courses offered through the department of environmental science are any listed here. Electives may be selected from several environmental science majors. Electives in Environmental Science (listed below):

- 4 hours: ENVS 384 Human Ecology
- 4 hours: ENVS 264 Ecology and Conservation
- 4 hours: ENVS 374 Aquatic Ecology
- 4 hours: ENVS 394 Atmospheric Science
- 4 hours: ENVS 364 Atmospheric Science (listed above)

Requirements for a minor in Environmental Science:

- 14 hours: Electives in Environmental Science
- 4 hours: ENVS 384 Human Ecology
- 4 hours: ENVS 264 Ecology and Conservation
- 4 hours: ENVS 374 Aquatic Ecology
- 4 hours: ENVS 394 Atmospheric Science
- 4 hours: ENVS 364 Atmospheric Science (listed above)

Requirements for a major in Environmental Science (B.S. Degree):

- 4 hours: ENVS 384 Human Ecology
- 4 hours: ENVS 264 Ecology and Conservation
- 4 hours: ENVS 374 Aquatic Ecology
- 4 hours: ENVS 394 Atmospheric Science
- 4 hours: ENVS 364 Atmospheric Science (listed above)
**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 396** DEPARTMENTAL TUTORING Every semester/2 hours
For course description see **ACC 396** on page 84.

**EVS 399** PRACTICUM See page 68. 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.

**TUT 300/400** VOLUNTEER TUTORING Every semester/No credit
For course description see **TUT 300/400** on page 85.

**EVS 473** ADVANCED TOPICS IN ENVIRONMENTAL SCIENCE Every semester/3 hours
Each semester a different advanced topic will be offered: water quality control, air quality control, environmental law, energy systems planning, and other appropriate subjects.

**EVS 499** INDEPENDENT STUDY. See page 68. Every semester/1-4 hours
For descriptions of the following courses which may be taken as Environmental Science electives, see listings and descriptions under the departments offering the course:

**EVS 313** CULTURAL ANTHROPOLOGY See **SOC 313** on page 116.

**EVS 324** GENETICS See **BIO 324** on page 138.

**EVS 325** GENETICS LABORATORY See **BIO 365** on page 138.

**EVS 343** PRINCIPLES OF PUBLIC HEALTH See **HLT 343** on page 104.

**EVS 344** MICROBIOLOGY See **BIO 344** on page 138.

**EVS 353** THE MODERN CITY See **SOC 353** on page 116.

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**PHYSICS**

**PHY 104** PHYSICS FOR THE LIBERAL ARTS Every Spring/4 hours
A survey of physics with emphasis on applications to everyday life in the modern world. The basic laws and phenomena of classical physics are studied, using elementary mathematics. 3 hrs lecture, 3 hrs lab.

**PHY 111** INTERMEDIATE PHYSICS I Fall, 1985, and alternate years/4 hours
Survey of physical principles and concepts, using mathematical descriptions based on algebra and trigonometry. Topics covered include force and motion, physical properties of materials, and thermodynamics. 3 hrs lecture, 3 hrs lab. Prerequisite: **MAT 120** or equivalent.
students desiring a bachelor’s degree in mathematics must take at least 24 hours in the area.

4 hours

Upper Division Electives in Mathematics

6 hours

Computer Science (3 hours)

Electives from MAT 213 or 217

MAT 220, 271, 272, Calculus

Requirements for a minor in Mathematics

8 hours

Physics 114, 115 General Physics

3 hours

Computer Science (upper division)

18 hours

Mathematics electives from 363 and upper division

MAT 270, 271, 272, Calculus

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

DEGREE REQUIREMENTS—MATHEMATICS

For the Bachelor’s Degree in Mathematics, students are encouraged to complete a minor or a second major in a related field.

MAT 120

College Algebra

Intermediate Algebra

Elementary Algebra

MAT 095

Liberal Arts Mathematics

MAT 113

Electives in Mathematics

4 hours

Upper Division Electives in Mathematics

6 hours

Computer Science (3 hours)

Electives from MAT 213 or 217

MAT 220, 271, 272, Calculus

Requirements for a minor in Mathematics

8 hours

Physics 114, 115 General Physics

3 hours

Computer Science (upper division)

18 hours

Mathematics electives from 363 and upper division

MAT 270, 271, 272, Calculus

Requirements for a major in Mathematics (B.S. Degree)
MAT 213  **COLLEGE GEOMETRY**  Spring, 1985, and alternate years/3 hours
A course in the technique of construction and the procedure of proofs of common geometric figures, particularly adapted to the needs of future teachers of high school mathematics. A brief introduction to non-Euclidean geometry is also included.

MAT 270  **ANALYTICAL GEOMETRY AND CALCULUS I**  Every Fall/4 hours
A study of concepts of limits, differentiation and integration of algebraic and elementary functions. Prerequisite: MAT 120, 121 or the high school equivalent.

MAT 271  **ANALYTIC GEOMETRY AND CALCULUS II**  Every Spring/4 hours
A continuation of MAT 270, covering the techniques of integration, infinite series, and solid analytic Geometry

MAT 272  **ANALYTIC GEOMETRY AND CALCULUS III**  Every Fall/4 hours
A study of partial differentiation and multiple integration with an introduction of vector analysis and differential equations.

MAT 313  **SET THEORY AND SYMBOLIC LOGIC**  Every semester/3 hours
A supervised, self-paced course in set theory and symbolic logic. Topics include: sets, logic, deductive reasoning, relations and functions, groups, and rings and fields. Credit/non-credit.

MAT 333  **INTRODUCTION TO REAL ANALYSIS**  Fall, 1984, and alternate years/3 hours
The real numbers, sequences and series, the derivative, the Riemann integral, sequences and series of functions. Prerequisite: MAT 272.

MAT 343  **TOPOLOGY**  Spring, 1985, and alternate years/3 hours
A first course in general topology, with emphasis on the topology of the real numbers. Topics include topology space, continuity, connectedness, compactness, separation axioms, and metric spaces. Prerequisite: MAT 271.

MAT 363  **PROBABILITY AND STATISTICS FOR MATHEMATICS AND SCIENCE**  Spring, 1985, and alternate years/3 hours
A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: MAT 270, 271 or permission of instructor.

MAT 373  **DIFFERENTIAL EQUATIONS**  Fall, 1984, and alternate years/3 hours
A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: MAT 272.

MAT 396  **DEPARTMENTAL TUTORING**  Every semester/2 hours
For course description see ACC 396 on page 84.

MAT 413  **LINEAR ALGEBRA**  Spring, 1986, and alternate years/3 hours
An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. Prerequisite: MAT 272 or approval of instructor.

MAT 423  **ABSTRACT ALGEBRA**  Fall, 1985, and alternate years/3 hours
An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: MAT 272 or approval of instructor.

MAT 473  **ADVANCED TOPICS IN MATHEMATICS**  On demand
Upper division topics in mathematics will be offered according to student needs. May be repeated for credit. Prerequisite: Junior or Senior standing and permission of the instructor.
Survey of Languages

Prequisite: CS 403.

A look at the structure of several high-level languages. Topics include the definition of a language, the language structure and design, types of programming languages, and programming languages. Topics include the history of programming languages, and current trends. Fall 1986 and alternate years.

Microprocessor Workshop

Any semester/3 hours

A supervised independent study of microprocessors and microcontroller design. Topics include the basic theory of microprocessors, microcontroller design, and the use of microprocessors in real-world applications.

COBOL

Every Spring/3 hours

This course emphasizes business applications. Topics include the design and implementation of computer programs using the COBOL language.

Intermediate Structured Programming

Every Fall/3 hours

A study of structured programming, including the use of structured programming languages such as FORTRAN and PASCAL. Topics include the design and implementation of computer programs using structured programming techniques.

Introduction to Computer Science

Every Spring/3 hours

A study of computer science, including the design and implementation of computer programs using structured programming languages.

Students desiring teaching certification must take at least 24 hours in the area.

12 hours

Electives in Computer Science

3 hours

CS 213 Intermediate Structured Programming

3 hours

CS 203 Beginning Structured Programming

Requirments for a minor in Computer Science

3 hours

CS 480 Realtime Systems

3 hours

CS 470 Artificial Intelligence

3 hours

CS 313 Symbolic Logic

8 hours

MAT 270, 271

9 hours

Computer Science Electives (6 hours Upper Division)

27 hours

CS 133, 203, 310, 403, 413, 420, 430

Requirements for a major in Computer Science

400

For course description see TUT 300/400 on Page 62.

Every semester/no credit

Volunteer Tutoring

499

Every semester/1-4 hours

Independent Study

See Page 62.
CS 332  TOPICS IN COMPUTER SCIENCE  
An in-depth study of one particular topic each semester. May be repeated for credit. Prerequisite: Permission of instructor.

CS 396  DEPARTMENTAL TUTORING  
For course description see ACC 396 on page 84.

CS 399  PRACTICUM  
See page 68. May be repeated for credit.

CS 403  ASSEMBLY LANGUAGE PROGRAMMING  
A study of the techniques needed to program a computer in its own assembly language. Topics include: addressing techniques, macros, file I/O, program segmentation and linkage, and assembler construction. Prerequisite: CS 213.

CS 413  INTRODUCTION TO DATA STRUCTURES  
Fall, 1985, and alternate years/3 hours
A study of the implementation of different data structures, including trees, lists, stacks, and queues. Also included will be a brief look at large data base management. Prerequisite: CS 403.

CS 420  OPERATING SYSTEMS  
Spring, 1986, and alternate years/3 hours
A study of several different operating systems, and operating system structure in general. Topics include: dynamic procedure activation, system structure, memory and process management, and the evaluation of operating systems. Prerequisites: CS 403.

CS 430  SOFTWARE ENGINEERING  
Fall, 1984, and alternate years/3 hours
A study of the problems involved in producing large pieces of software. Topics include: Algorithm analysis and design, organization and management, resource estimation, and project control. Prerequisite: CS 403.

CS 480  READINGS IN CURRENT LITERATURE  
Every semester/3 hours
A supervised self-paced course involving an appropriate amount of reading in current computer science topics, including the preparation and presentation of a paper at a senior seminar. Prerequisite: Senior standing.

CS 499  INDEPENDENT STUDY  
See page 68. May be repeated for credit.

TUT 300/  VOLUNTEER TUTORING  
400  For course description see TUT 300/400 on page 85.

DEGREE REQUIREMENTS—SCIENCE TEACHING MINOR

Requirements for a Teaching Minor in Science

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 grades 4-8 who will be teaching both life and physical sciences.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BIO 151, 152 General Biology</td>
<td>8</td>
</tr>
<tr>
<td>CHE 101 Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104 Physics for Liberal Arts</td>
<td>4</td>
</tr>
<tr>
<td>Electives in Environmental Science, Biology Chemistry or Physics</td>
<td>8</td>
</tr>
</tbody>
</table>
Program for Speech Minor
Program for Theatre
Theatre/Speech
Degree Requirements—
Drama Minors
Programs for Musical
Music Courses
Music Ensembles
Music Education
Church Music
Applied Music
Programs for Music Minors
Music
Degree Requirements—
Degree Programs
Music Scholarships
Student Teaching
Placement of Transfer
Piano Pedagogy
Jury Examinations
Teacher Changes
Private Lessons
Music Theory
Recitals
Music Degrees
Department Description
Performing
DEPARTMENT DESCRIPTION

A student in the Performing Arts Department may obtain a B.A. or B.S. degree in five major areas (B.A.: Applied and Church Music, and Theatre/Speech; B.S.: Music Education and Church Music) with a choice of 20 possible major emphases. Depending upon proficiency and background, some courses are open to non-majors and minors; admission may be determined by audition or conference with instructors. Many of the skill courses, such as applied music, are very demanding, and students who major or minor in the Performing Arts, or who elect to take courses in applied music should be aware at the time of enrollment of the necessary demands upon their time for practice and performance.

MUSIC DEGREES

Students majoring in music may take a Bachelor of Arts degree in applied music, church music, or theory, or a Bachelor of Science degree in music education 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 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.
Music Theory

Academic Regulations, Page 61.

Rule on the removal of incomplete grades in General Studies, effective for the College's Summer Session (see page 62). If a student fails to complete the non-approved session (see page 24), it will be reviewed by the faculty. A Student selected to participate in a summer session must be approved by the faculty. A Grade of "F" (incomplete) will be assigned for the following semester.

Senior Recital Application

Entrants must be seniors or juniors who have completed all senior requirements and have a major in music or a related field. Participants will present an extended composition on their major instrument. A Grade of "A" will be awarded to those participants who present an extended composition on their major instrument. A Grade of "B" will be awarded to those participants who present an extended composition on their major instrument.

Junior Recital

Permission for a junior to perform a recital is granted by the faculty on a case-by-case basis. A Grade of "A" will be awarded to those participants who present an extended composition on their major instrument. A Grade of "B" will be awarded to those participants who present an extended composition on their major instrument.

Recitals

Recitals: Such as Jazz Ensembles, Small Ensembles, and Studio Accompanists. Performance will be evaluated by the faculty on a case-by-case basis. A Grade of "A" will be awarded to those participants who present an extended composition on their major instrument. A Grade of "B" will be awarded to those participants who present an extended composition on their major instrument.

Semester:

These performance courses carry 1 hour credit per semester. These courses include: Jazz Ensembles, Small Ensembles, and Studio Accompanists. Participants must be enrolled in the course during the semester. Participants will be evaluated by the faculty on a case-by-case basis. A Grade of "A" will be awarded to those participants who present an extended composition on their major instrument. A Grade of "B" will be awarded to those participants who present an extended composition on their major instrument.

Performance in Group Participation

Department of Performing Arts
to enrollment in Theory I; no degree credit is given majors or minors, but non-majors and non-minors may receive elective credit for this course. All four semesters of music theory must be passed with a minimum grade of "C." Each semester may be repeated once in order to obtain this required grade.

PRIVATE LESSONS

Length of Lesson Time and Required Practice are determined by the number of credit hours to be received:

<table>
<thead>
<tr>
<th>Credit</th>
<th>Lesson Length</th>
<th>Practice Expected</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>30 minutes</td>
<td>1 hour daily</td>
</tr>
<tr>
<td>2</td>
<td>1 hour</td>
<td>1 1/2 hours daily</td>
</tr>
<tr>
<td>3</td>
<td>1 1/2 hours</td>
<td>2 hours daily</td>
</tr>
</tbody>
</table>

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

CHANGE OF TEACHER OR CONCENTRATION

Students who desire to change their applied music teacher or concentration must make written request to the Chairman of the Department and schedule a conference with the area faculty.

APPLIED MUSIC JURY EXAMINATION

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

PIANO PROFICIENCY 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.

Students with a keyboard back-ground may test out of any or all sections of this exam. A statement of requirements is listed in the Music Student Handbook. The student is required to complete the proficiency exam within the first two years of college study. Transfer students and others who for some reason have not completed the proficiency exam by that time must enroll for piano and work toward completion of the proficiency exam each semester until the exam is completed.
Student Teaching

Canyon

Transfer student is enrolled at Grand Canyon University and must be validated by an examination administered by the Grand Canyon University of major in any form of music or credit in applied music or theory which is transferred from another institution. College music faculty, all prerequisites for students who plan to major or

Placement of Transfer Students

Department of Performing Arts 152
MUSIC SCHOLARSHIPS

Unless otherwise informed in writing by the Department Chairman, students on voice scholarships are required to participate in Concert Choir; instrumentalists, in Wind Ensemble and/or Stage Band; and keyboardists, in studio accompanying (one student for each fifty dollar portion of the scholarship awarded each semester.) All students who receive music scholarships are referred to page 33, Special Abilities Scholarships.

Application for scholarships and their renewals must be made no later than the jury prior to the semester in which the scholarship is sought. The maintaining of a satisfactory GPA is necessary for renewal of scholarships; probation may be granted during one semester within a student’s degree plan.

DEGREE PROGRAMS

The Department of Performing Arts offers two degrees in music:

Bachelor of Arts

<table>
<thead>
<tr>
<th>Applied Music:</th>
<th>Instrumental</th>
<th>53 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organ</td>
<td>57 hours</td>
<td></td>
</tr>
<tr>
<td>Piano</td>
<td>56 hours</td>
<td></td>
</tr>
<tr>
<td>Voice</td>
<td>56 hours</td>
<td></td>
</tr>
<tr>
<td>Classical Guitar</td>
<td>53 hours</td>
<td></td>
</tr>
<tr>
<td>Studio Guitar</td>
<td>55 hours</td>
<td></td>
</tr>
<tr>
<td>Theory</td>
<td>55 hours</td>
<td></td>
</tr>
</tbody>
</table>

Church Music: (no minor)

| Voice                     | 77 hours     |
| Keyboard                  | 74 hours     |
| Instrumental              | 75 hours     |
| Theory                    | 78 hours     |

Bachelor of Science

<table>
<thead>
<tr>
<th>Music Education: (no minor) (+ Education hours &amp; practice teaching)</th>
<th>Instrumental</th>
<th>60 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboard</td>
<td>60 hours</td>
<td></td>
</tr>
<tr>
<td>Theory</td>
<td>62 hours</td>
<td></td>
</tr>
<tr>
<td>Voice</td>
<td>63 hours</td>
<td></td>
</tr>
<tr>
<td>Guitar</td>
<td>62 hours</td>
<td></td>
</tr>
</tbody>
</table>

Church Music:

| Voice                                                                | 62 hours     |
| Keyboard                                                             | 61 hours     |
| Instrumental                                                        | 62 hours     |
| Theory                                                               | 63 hours     |

DEGREE REQUIREMENTS—MUSIC

Required hours for a major in Music

Core Hours (all majors)

| MUS 191, 192, 291, 292 Theory | 16 hours |
| MAP Major Applied Instrument or Voice | 8 hours |
| (theory emphasis: 4 hours) | |
| MAP Applied Keyboard (Voice: Keyboard majors) | 3 hours |
| MUS 120 Piano Proficiency | 0 hours |
9 hours
1 hour
Additional Keyboard
Emphasis: Instrumental

12 hours
1 hour
3 hours
Additional Keyboard
MUS 111, 112, 211, 211
Emphasis: Piano

12 hours
2 hours
MUS 429 Studio Accompanying
MUS 391 Counterpoint
Emphasis: Organ

13 hours
1 hour
2 hours
MUS 421 Organ Lit and Accompanying
MUS 429 Studio Accompanying
MUS 391 Counterpoint
Emphasis: Organ

9 hours
1 hour
Additional Keyboard
Emphasis: Professional Piano

0 hours
0 hours
MUP 410 Senior Recital
MUP 390 Junior Recital
Emphasis: Applied Instrument or Voice

6 hours
MUP 009 Recital Attendance (6 semesters, MUS ED)
MUS 381 Conducting
MUS 471 Music Literature
MUS 392 Form and Analysis
MUS 371 372 Music History
Major Ensemble 7 semesters, according to Bachelor of Arts degree

Excl. hours 40
Non-music theory emphasis 40
Emphasis 6: studio guitar*
MED 351 Instru Music Organizations 2 hours
MUS 340 Jazz Improvisations 1 hour
11 hours

*of the 16 hours of applied guitar taken
12 are to be of studio guitar, and 4 of classical guitar.

Emphasis 7: theory
MUS 391 Counterpoint 2 hours
MUS 492 Modern Harmony 2 hours
MAP 389, 489 Applied Theory 6 hours
MUS 411 Choral Arranging 2 hours
MUS 462 Orchestration 2 hours
Additional Keyboard 1 hour
15 hours

Option II: Church Music (seminary/graduate school track)
(no minor required)
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
MED 241, 251, 232, or 262 Instr Classes (choice of 2) 2 hours
MED 381 Music in Elementary Grades 3 hours
MUS 167 Class Guitar 1 hour
MUS 382 Conducting II 2 hours
MUS 390 Junior Recital 0 hours
MUS 391 Counterpoint* 2 hours
MAP 490 Senior Recital 0 hours

*Voice emphasis may substitute extra hours in Studio Accompanying and Voice.

Emphasis 1: instrumental
MAP Additional Major Applied 6 hours
MAP 119, 219, MUS 117 Voice 3 hours
31 hours

Emphasis 2: keyboard
MAP Additional Major Applied 6 hours
MUS 429 Studio Accompanying 2 hours
30 hours

Emphasis 3: theory
Additional Applied (in overall applied hours, 4 must be voice) 4 hours
MUS 492 Modern Harmony 2 hours
MAP 389, 489 Applied Theory 6 hours
MUS 411 Choral Arranging 2 hours
MUS 462 Orchestration 2 hours
38 hours
For persons planning to teach public school music

Option I: Music Education (No minor required)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 hours</td>
<td></td>
</tr>
<tr>
<td>2 hours</td>
<td></td>
</tr>
<tr>
<td>1 hour</td>
<td></td>
</tr>
<tr>
<td><strong>Emphasis: Voice</strong></td>
<td></td>
</tr>
<tr>
<td>WME 481 Vocal Pedagogy</td>
<td></td>
</tr>
<tr>
<td>WME 111, 112, 211 Dict</td>
<td></td>
</tr>
<tr>
<td>MUS 491 Counterpoint</td>
<td></td>
</tr>
</tbody>
</table>

29 hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 hours</td>
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<tr>
<td>2 hours</td>
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<td></td>
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<tr>
<td>2 hours</td>
<td></td>
</tr>
<tr>
<td>2 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Emphasis: Theory</strong></td>
<td></td>
</tr>
<tr>
<td>MUS 391 Counterpoint</td>
<td></td>
</tr>
<tr>
<td>MUS 392 Modern Harmony</td>
<td></td>
</tr>
<tr>
<td>MUS 421 Orchestration</td>
<td></td>
</tr>
<tr>
<td>MUS 480 Church Music Seminar/Practicum</td>
<td></td>
</tr>
<tr>
<td>MUS 390 49 Studio Accompanying</td>
<td></td>
</tr>
</tbody>
</table>

17 hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Emphasis: Keyboard</strong></td>
<td></td>
</tr>
<tr>
<td>MUS 429 Studio Accompanying</td>
<td></td>
</tr>
</tbody>
</table>

18 hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Emphasis: Instrumental</strong></td>
<td></td>
</tr>
<tr>
<td>MUS 320 Senior Recital</td>
<td></td>
</tr>
<tr>
<td>MUS 322 Conducting II</td>
<td></td>
</tr>
<tr>
<td>MUS 167 Choir</td>
<td></td>
</tr>
<tr>
<td>MUS 382 Church Music Seminar/Practicum</td>
<td></td>
</tr>
<tr>
<td>MCH 370 Church Music History</td>
<td></td>
</tr>
<tr>
<td>MCH 372 Hymnody</td>
<td></td>
</tr>
<tr>
<td>MCH 371 Liturgical and Worship</td>
<td></td>
</tr>
</tbody>
</table>

Option I: Church Music (non-seminary/graduate school track)

Bachelor of Science Degree

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>33 hours</td>
<td></td>
</tr>
<tr>
<td>2 hours</td>
<td></td>
</tr>
<tr>
<td>3 hours</td>
<td></td>
</tr>
<tr>
<td>6 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Emphasis: Voice</strong></td>
<td></td>
</tr>
<tr>
<td>MUS 481 Vocal Pedagogy</td>
<td></td>
</tr>
<tr>
<td>MUS 111, 112, 211 Dict</td>
<td></td>
</tr>
<tr>
<td>MUS 491 Counterpoint</td>
<td></td>
</tr>
</tbody>
</table>

Department of Performing Arts 155
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 151). 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

**Emphasis 1: instrumental**

MED 351 Instrumental Music Organizations 2 hours
MUS 462 Orchestration 2 hours

17 hours

**Emphasis 2: keyboard**

MUS 391 Counterpoint 2 hours
MUS 462 Orchestration 2 hours

or

MUS 411 Choral Arranging

17 hours

*MUS 429 Studio Accompanying may be substituted for ensemble hours.

**Emphasis 3: theory**

MUS 391 Counterpoint 2 hours
MUS 492 Modern Harmony 2 hours
MUS 411 Choral Arranging 2 hours
MUS 462 Orchestration 2 hours
MAP 389, 489 Applied Theory 6 hours
Additional Applied 1 hour

28 hours

**Emphasis 4: voice**

MUS 111, 112, 211 Diction I, II, III 3 hours
MUS 481 Vocal Pedagogy 2 hours
MUS 411 Choral Arranging 2 hours

20 hours

**Emphasis 5: guitar**

Additional Studio Guitar (7 hrs total studio guitar, 2 hrs classical guitar: 9) 1 hour
MED 351 Instrumental Music Organizations 2 hours
MUS 320 Jazz Improvisation 1 hour
MUS 462 Orchestration 2 hours

19 hours

Note: Students who wish to qualify for K-12 certification must earn 46 hours which includes MED 381 and 382.
PROGRAMS OFFERED FOR MUSIC MINORS

Requirements for a Music Education minor

MAP Major applied voice or instrument 3 hours
MAP secondary applied in keyboard or voice 2 hours
MED 241, 262, 232, 251 Instrument classes 2 hours
MED 381 Music in the Elem Grades or MED 382 Music in the Jr and Sr High School 3 hours
MEN 119, 139, 149, 169, MUS 429 (Ensemble) 3 hours
MUS 009 Recital Attendance (4 semesters) 0 hours
MUS 111, 112, 211 It, Fr, Ger Diction (voice emphasis only) (3 hours)
MUS 191 Elementary Theory I 4 hours
MUS 381 Conducting I 2 hours

19 (22) hours

Requirements for a Church Music minor

MAP major applied voice or instrument 3 hours
MAP secondary applied in keyboard or voice 2 hours
MCH 371 Literature and Worship 3 hours
MCH 372 Hymnology 3 hours
MCH 378 History of Church Music and its Forms 3 hours
MCH 382 Church Music Seminar—Practicum 3 hours
MEN 119, 139, or 169 Ensemble 3 hours
MUS 009 Recital Attendance (4 semesters) 0 hours
MUS 191 Elementary Theory I 4 hours
MUS 381 Conducting I 2 hours

26 hours
## Requirements for a non-teaching minor in Music

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP major applied instrument or voice</td>
<td>4</td>
</tr>
<tr>
<td>MAP secondary applied in keyboard or voice</td>
<td>3</td>
</tr>
<tr>
<td>MEN 119, 129, 139, 149, 169, MUS 429</td>
<td>3</td>
</tr>
<tr>
<td>MUS 009 Recital Attendance (4 semesters)</td>
<td>0</td>
</tr>
<tr>
<td>MUS 111, 112, 211 It, Fr, Ger Diction (voice emphasis only)</td>
<td>3</td>
</tr>
<tr>
<td>MUS 191 Elementary Theory I</td>
<td>4</td>
</tr>
<tr>
<td>MUS 371 or MUS 372 Music History I, or II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 381 Conducting I</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>19 (22)</strong></td>
</tr>
</tbody>
</table>

It is recommended that all Music Education minors take, as electives, MUS 471 Music Literature and the two instrument classes which are not required; also, that voice emphasis students in all the music minors elect to take MUS 481 Vocal Pedagogy.

---

## MUSIC

### APPLIED MUSIC

All applied music courses are designed to be repeated once. Amount of credit given is based upon required practice (see page 150). 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 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 work toward Senior Recital. Prerequisite: MAP 319 and Senior standing.  

*Every semester/1.2 hours*

**MAP 389 APPLIED THEORY**

Private instruction in composition. Designed to provide background for the production of senior composition.  

*Every semester/3 hours*

**MAP 489 APPLIED THEORY**

Continuation of MAP 389.  

*Every semester/3 hours*
Pre-requisite: MAP 249 and Junior Standing
Every semester/1.2 hours  
**APPLIED BRASS**

Pre-requisite: MAP 149 and Junior Standing
Every semester/1.2 hours  
**APPLIED BRASS**

Pre-requisite: MAP 339
Every semester/1.2 hours  
**APPLIED WOODWINDS**

Pre-requisite: MAP 239 and Junior Standing
Every semester/1.2 hours  
**APPLIED WOODWINDS**

Pre-requisite: MAP 139
Every semester/1.2 hours  
**APPLIED WOODWINDS**

Pre-requisite: MAP 329 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/PIANO**

Pre-requisite: MAP 229 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/PIANO**

Pre-requisite: MAP 129 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/PIANO**

Pre-requisite: MAP 229 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 129 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 299 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 199 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 299 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 199 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 299 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 199 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 299 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 199 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 299 and Junior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**

Pre-requisite: MAP 199 and Senior Standing
Every semester/1.2 hours  
**APPLIED KEYBOARD/ORGAN**
MAP 449 **APPLIED BRASS**  
Continuation of **MAP 349**. Designed to prepare for a Senior Recital.  
Prerequisite: MAP 349 and Senior standing.

**Every semester/1-2 hours**

MAP 159 **APPLIED PERCUSSION**  
Private instruction in a percussion instrument of the student’s choice. Same format as **MAP 139** on page 159.

**Every semester/1-2 hours**

MAP 259 **APPLIED PERCUSSION**  
Continuation of **MAP 159**. Prerequisite: MAP 159.

**Every semester/1-2 hours**

MAP 359 **APPLIED PERCUSSION**  
Continuation of **MAP 259**. Designed to prepare for a Junior Recital.  
Prerequisite: MAP 259 and Junior standing.

**Every semester/1-2 hours**

MAP 459 **APPLIED PERCUSSION**  
Continuation of **MAP 359**. Designed to prepare for a Senior Recital.  
Prerequisite: MAP 359 and Senior standing.

**Every semester/1-2 hours**

MAP 169 **APPLIED STRINGS/ORCHESTRAL INSTRUMENTS**  
Violin, Viola, Cello, String Bass private instruction. Same format as **MAP 139** on page 159.

**Upon demand/1-2 hours**

MAP 269 **APPLIED STRINGS/ORCHESTRAL INSTRUMENTS**  
Continuation of **MAP 169**. Prerequisite: MAP 169.

**Every semester/1-2 hours**

MAP 369 **APPLIED STRINGS/ORCHESTRAL INSTRUMENTS**  
Continuation of **MAP 269**. Designed to prepare for Junior Recital.  
Prerequisite: MAP 269 and Junior standing.

**Every semester/1-2 hours**

MAP 469 **APPLIED STRINGS/ORCHESTRAL INSTRUMENTS**  
Continuation of **MAP 369**. Designed to prepare for Senior Recital.  
Prerequisite: MAP 369 and Senior standing.

**Every semester/1-2 hours**

MAP 179 **APPLIED 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.

**Every semester/1-2 hours**

MAP 279 **APPLIED CLASSICAL OR STUDIO GUITAR**  
Continuation of **MAP 179**. Prerequisite: MAP 179.

**Every semester/1-2 hours**

MAP 379 **APPLIED CLASSICAL OR STUDIO GUITAR**  
Continuation of **MAP 279**. Designed to prepare for a Junior Recital.  
Prerequisite: MAP 279 and Junior standing.

**Every semester/1-2 hours**

MAP 479 **APPLIED CLASSICAL OR STUDIO GUITAR**  
Continuation of **MAP 379**. Designed to prepare for a Senior Recital.  
Prerequisite: MAP 379 and Senior standing.

**Every semester/1-2 hours**

MAP 390 **JUNIOR RECITAL**  
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.

**Every semester/No credit**
music majors and minors.

Fall, Spring/1 hour

CLASS GUITAR

Third semester continuation of MUS 129.

On demand/1 hour

CLASS ORGAN

Teaching: Open to non-majors and minors with some piano background.

Fall, Spring/1 hour

CLASS ORGAN

Third semester continuation of MUS 129.

On demand/1 hour

CLASS PIANO

Teaching: Open to non-majors and minors with some piano background.

Fall, Spring/1 hour

CLASS PIANO

Teaching: Open to non-majors and minors with some piano background.

Fall, Spring/1 hour

CLASS PIANO

Teaching: Open to non-majors and minors with some piano background.

Fall, Spring/1 hour

CLASS VOICE

Teaching: Open to non-majors.

Fall, Spring/1 hour

CLASS VOICE

Teaching: Open to non-majors.

Fall, Spring/1 hour

CLASS VOICE

Teaching: Open to non-majors.

Fall, Spring/1 hour

CLASS INSTRUMENTS IN APPLIED MUSIC

For course description see TAM 300/400 on page 85.

CLASS INSTRUMENTS IN APPLIED MUSIC

For course description see TAM 300/400 on page 85.

CLASS INSTRUMENTS IN APPLIED MUSIC

For course description see TAM 300/400 on page 85.

CLASS INSTRUMENTS IN APPLIED MUSIC

For course description see TAM 300/400 on page 85.
MUS 396 DEPARTMENTAL TUTORING  
For course description see ACC 396 on page 84.  
Every semester/2 hours

TUT 300/400 VOLUNTEER TUTORING  
For course description see TUT 300/400 on page 85.  
Every semester

CHURCH MUSIC COURSES

MCH 371 LITERATURE AND WORSHIP  
Spring, 1986, and alternate years/3 hours  
A survey of choral literature for the church, i.e., anthems, solos, cantatas, oratorios, and the relation of these to the elements of worship.

MCH 372 HYMNODY.  
Fall, 1984, and alternate years/3 hours  
Also REL 393. A survey of hymnody during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnody. No musical background is required. Recommended for theology and religious education students.

MCH 378 HISTORY OF CHURCH MUSIC AND ITS FORMS  
Fall, 1985, 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.

MCH 396 DEPARTMENTAL TUTORING  
For course description see ACC 396 on page 84.  
Every semester/2 hours

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. Prerequisite: 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.
MUSIC ENSEMBLES

In honor of: Program, Library, Libraries, Invitation, Les, and Measurements, and the growth and development of university music organizations, we are pleased to present this guide to the various music organizations on campus. This guide is intended to provide information about each organization, including its objectives, membership requirements, and activities. It is hoped that this guide will be a helpful resource for students interested in music organizations at our university.

MEN'S CHOIRAL ENSEMBLE

Directed by: John Smith

Membership: Open to all students. Written audition required.

Fall: Auditions held in mid-August.

SMALL ENSEMBLE OF INSTRUMENTS

Directed by: Jane Doe

Membership: Open to all students. Written audition required.

Fall: Auditions held in mid-August.

MUSIC INSTRUMENTAL ORGANIZATIONS

Department of Music

For course descriptions see ACC 399 on page 84.

DEPARTMENTAL INSTRUCTING

Spring: 3 hours

Prerequisites: MUS 220, or consent of instructor.

A study of methods of instruction in music education, including the preparation of elementary school music programs, and the development of techniques for teaching music. The course includes an examination of the psychology of music learning and the development of musical skills.

MUSIC IN THE JUNIOR HIGH SCHOOL

Prerequisites: MUS 220, or consent of instructor.

A study of the organization of music education programs in the junior high school, including the development of curricula, the selection of music materials, and the planning of music programs for junior high school students.

MUSIC IN THE ELEMENTARY GRADES

Prerequisites: MUS 220, or consent of instructor.

A study of the organization of music education programs in the elementary school, including the selection of music materials, the planning of music programs for elementary school students, and the development of musical skills in young children.
MEN 129 SMALL JAZZ ENSEMBLE
Fall, Spring/1 hour
A performing Ensemble designed to give the student experience performing Jazz material in a small ensemble setting.

MEN 139 WIND ENSEMBLE
Fall, Spring/1 hour
The Wind Ensemble is made up of Music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their College career. The literature performed is selected from the finest contemporary and traditional repertoire.

MEN 149 STAGE BAND
Fall, Spring/1 hour
Performance of Jazz oriented material written or arranged for the Stage Band.

MEN 159 BASKETBALL BAND
Fall, Spring/No credit
Organized specifically for Basketball season. Membership is determined by audition and is open to any student with instrumental experience. Must enroll Fall and Spring. Rehearsals are on a T.B.A. basis.

MEN 169 CHAMBER ORCHESTRA
On demand/1 hour
Study and performance of orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theater productions.

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, 1985 (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, 1985 (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, 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 music.
ADVANCED THEORY OF MUSIC I

Enrollment Prerequisite: MUS 192 or equivalent

Advanced study in sight-reading and dictation; keyboard application of tonal and other non-harmonic intervals. Advanced study in counterpoint and chord progression. The student may develop a discerning appreciation of the best in music in order to develop a discerning understanding of music as a language.

MUS 319

OPERA WORKSHOP

Concentration of MUS 291, Grade of "C" or above necessary for graduation.

MUS 282

MUSIC APPLICATION

Enrollment Prerequisite: MUS 191, Grade of "C" or above necessary for graduation.

MUS 292

ELEMENTARY THEORY OF MUSIC II

Enrollment Prerequisite: MUS 151 or equivalent

Concentration of MUS 291, Grade of "C" or above necessary for graduation.

MUS 293

OPERA WORKSHOP

Concentration of MUS 291, Grade of "C" or above necessary for graduation.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term/Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 320</td>
<td>JAZZ IMPROVISATION</td>
<td>Fall, Spring/1 hour</td>
</tr>
<tr>
<td></td>
<td>A course designed to introduce</td>
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</tr>
<tr>
<td></td>
<td>the student to improvising,</td>
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<tr>
<td></td>
<td>with emphasis on scales, modes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and arpeggios. Prerequisite:</td>
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</tr>
<tr>
<td></td>
<td>MUS 105, 191, or consent of</td>
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</tr>
<tr>
<td></td>
<td>instructor.</td>
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<tr>
<td>MUS 371</td>
<td>MUSIC HISTORY I</td>
<td>Fall/3 hours</td>
</tr>
<tr>
<td></td>
<td>A survey of music from primitive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>times to the early 19th century;</td>
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<tr>
<td></td>
<td>presents the growth of music</td>
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<tr>
<td></td>
<td>through the contrapuntal schools</td>
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<tr>
<td></td>
<td>culminating in the work of</td>
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<tr>
<td></td>
<td>J.S. Bach; the development of</td>
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<td></td>
<td>opera and oratorio; and the</td>
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<td></td>
<td>rise of homophonic music through</td>
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<tr>
<td></td>
<td>the Classical Period of Haydn</td>
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<tr>
<td></td>
<td>and Mozart. Designed for Music</td>
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<tr>
<td></td>
<td>majors and minors. Prerequisite:</td>
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<tr>
<td></td>
<td>Upper class standing or consent</td>
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<td></td>
<td>of instructor.</td>
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<tr>
<td>MUS 372</td>
<td>MUSIC HISTORY II</td>
<td>Spring/3 hours</td>
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<tr>
<td></td>
<td>A survey of music from the early</td>
<td></td>
</tr>
<tr>
<td></td>
<td>19th century to modern times.</td>
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<tr>
<td></td>
<td>Study is devoted to the art</td>
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<tr>
<td></td>
<td>song, the nationalistic schools,</td>
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<td></td>
<td>the principal composers of the</td>
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<tr>
<td></td>
<td>Romantic and Contemporary</td>
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<td></td>
<td>periods and their masterpieces.</td>
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<td></td>
<td>Designed for Music majors and</td>
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<td></td>
<td>minors. Prerequisite: Upper class</td>
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<td></td>
<td>standing or consent of</td>
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<td></td>
<td>instructor.</td>
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<tr>
<td>MUS 381</td>
<td>CONDUCTING I</td>
<td>Fall/2 hours</td>
</tr>
<tr>
<td></td>
<td>A study of the fundamentals and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>techniques of conducting</td>
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<tr>
<td></td>
<td>hymns, anthems, and other music</td>
<td></td>
</tr>
<tr>
<td></td>
<td>with special emphasis on the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>problems of directing vocal</td>
<td></td>
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<tr>
<td></td>
<td>groups. Prerequisite: Junior</td>
<td></td>
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<tr>
<td></td>
<td>standing and completion of</td>
<td></td>
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<tr>
<td></td>
<td>Music Theory and Music History</td>
<td></td>
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<tr>
<td></td>
<td>degree requirements. Consent of</td>
<td></td>
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<tr>
<td></td>
<td>Instructor.</td>
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<tr>
<td>MUS 382</td>
<td>CONDUCTING II</td>
<td>Spring/2 hours</td>
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<tr>
<td></td>
<td>Continuation of MUS 381 with</td>
<td></td>
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<tr>
<td></td>
<td>greater attention being given to</td>
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<tr>
<td></td>
<td>instrumental music. Includes</td>
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<tr>
<td></td>
<td>study of choral and instrumental</td>
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<tr>
<td></td>
<td>literature. Emphasis is placed</td>
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<td></td>
<td>upon score reading, artistic</td>
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<td></td>
<td>interpretation and the conducting</td>
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<tr>
<td></td>
<td>of marches, overtures, symphonies,</td>
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<tr>
<td></td>
<td>and larger works. First hand</td>
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<tr>
<td></td>
<td>experience with performing group</td>
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<td></td>
<td>may be provided. Prerequisite:</td>
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<tr>
<td></td>
<td>MUS 381.</td>
<td></td>
</tr>
<tr>
<td>MUS 391</td>
<td>COUNTERPOINT</td>
<td>Fall, 1984, and alternate</td>
</tr>
<tr>
<td></td>
<td>years/2 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A practical study of 18th century</td>
<td></td>
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<tr>
<td></td>
<td>counterpoint and its various</td>
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<tr>
<td></td>
<td>species of two to four part</td>
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<tr>
<td></td>
<td>writing. Background reference is</td>
<td></td>
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<tr>
<td></td>
<td>made to early polyphonic music.</td>
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<tr>
<td></td>
<td>Students write inventions and</td>
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<tr>
<td></td>
<td>fugues in manner of J.S. Bach.</td>
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<tr>
<td></td>
<td>Prerequisite: MUS 292.</td>
<td></td>
</tr>
<tr>
<td>MUS 392</td>
<td>FORM AND ANALYSIS</td>
<td>Spring/3 hours</td>
</tr>
<tr>
<td></td>
<td>A study of the various structure</td>
<td></td>
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<tr>
<td></td>
<td>forms in music: from motive,</td>
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<tr>
<td></td>
<td>phrase and period, through</td>
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<td></td>
<td>binary and ternary forms to the</td>
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<tr>
<td></td>
<td>most complex, such as the</td>
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<tr>
<td></td>
<td>variation, rondo, and sonata.</td>
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<tr>
<td></td>
<td>Works of the masters are analyzed</td>
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<tr>
<td></td>
<td>from the standpoint of form.</td>
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<tr>
<td></td>
<td>Prerequisite: MUS 292.</td>
<td></td>
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<tr>
<td>MUS 396</td>
<td>DEPARTMENTAL TUTORING</td>
<td>Every semester/2 hours</td>
</tr>
<tr>
<td></td>
<td>For course description see ACC</td>
<td></td>
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<tr>
<td></td>
<td>396 on page 84.</td>
<td></td>
</tr>
<tr>
<td>MUS 411</td>
<td>CHORAL ARRANGING</td>
<td>Fall, 1984, and alternate</td>
</tr>
<tr>
<td></td>
<td>years/2 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A course designed to teach the</td>
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<tr>
<td></td>
<td>prospective music teacher the</td>
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<td></td>
<td>skill of choral arranging and to</td>
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<tr>
<td></td>
<td>help the student meet the day to</td>
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<tr>
<td></td>
<td>day demands placed on a general</td>
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<tr>
<td></td>
<td>music teacher or a secondary</td>
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</tr>
<tr>
<td></td>
<td>choral director. Prerequisites:</td>
<td></td>
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<tr>
<td></td>
<td>MUS 292 and consent of the</td>
<td></td>
</tr>
<tr>
<td></td>
<td>instructor.</td>
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</tr>
<tr>
<td>MUS 421</td>
<td>ORGAN LITERATURE AND</td>
<td>On demand/1 hour</td>
</tr>
<tr>
<td></td>
<td>ACCOMPANIMENT</td>
<td></td>
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<tr>
<td></td>
<td>Designed for organ majors. The</td>
<td></td>
</tr>
<tr>
<td></td>
<td>major organ works written in</td>
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<tr>
<td></td>
<td>every historical period are heard</td>
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</tr>
<tr>
<td></td>
<td>and studied by means of records.</td>
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<tr>
<td></td>
<td>Pipe organ stops are studied.</td>
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</tr>
<tr>
<td></td>
<td>Some assignment for accompanying</td>
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<tr>
<td></td>
<td>a choir is given. Prerequisite:</td>
<td></td>
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<tr>
<td></td>
<td>two years of Applied Organ, MAP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>129 and 229.</td>
<td></td>
</tr>
</tbody>
</table>
Requirements of a Minor in Musical Drama with a Music Major

A major full-length musical is produced yearly.

288/389: 2nd year group from the class, MDR

Writing group from the class, MDR

Student Handbook

Student requirements are listed in the Musical Drama minor voice repertoire

same as for a music minor. Musical

Requirements: governing recital

Major field:

Prerequisite: MUS 229 or equivalent

Open to students who are interested in the teaching of voice.

A study of skills for the teaching of voice to individual students. The

Fall 98, and alternate years/2 hours

Modern Harmony

Fall 98, and alternate years/2 hours

Vocal Pedagogy

Fall 98, and alternate years/2 hours

Musical Literature

Music 411

A course designed to present the principal fundamental of music composition and

Spring 98, and alternate years/2 hours

Orchestration

Music 426

A study and application of accompanying techniques in vocal and

Spring 1/2 hour

Department of Performing Arts 167
TRE 498 Stage Direction  
**or**  
MAP 119 (et al) Voice or MUS 117 Class Voice  
(see Music Handbook)  
MDR 378 History and Literature of the Lyric Stage  
MDR 398 Theories and Practices of Movement in Musical Drama **or**  
MDR 480 Coaching and Directing of Musical Drama*  

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRE 498 Stage Direction</td>
<td>3</td>
</tr>
<tr>
<td>MAP 119 (et al) Voice or MUS 117 Class Voice</td>
<td>3</td>
</tr>
<tr>
<td>MDR 378 History and Literature of the Lyric Stage</td>
<td>3</td>
</tr>
<tr>
<td>MDR 398 Theories and Practices of Movement in Musical Drama</td>
<td>3</td>
</tr>
<tr>
<td>MDR 480 Coaching and Directing of Musical Drama*</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

*Prerequisite TRE 488 Directing; consent of instructor.

**Requirements for a minor in Musical Drama with a Theatre/Speech major**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDR 219, 319 Opera Workshop</td>
<td>9</td>
</tr>
<tr>
<td>MDR 289, 389 Musical Theatre</td>
<td></td>
</tr>
<tr>
<td>MAP 129 (et al) Piano or MUS 127 Class Piano (see handbook)</td>
<td>2</td>
</tr>
<tr>
<td>MUS 111 Italian Diction</td>
<td>1</td>
</tr>
<tr>
<td>MAP 119 (et al) Voice or MUS 117 Class Voice (see Music Handbook)</td>
<td>3</td>
</tr>
<tr>
<td>MDR 398 Theories and Practices of Movement in Musical Drama</td>
<td>3</td>
</tr>
<tr>
<td>MDR 378 History and Literature of the Lyric Stage</td>
<td>3</td>
</tr>
<tr>
<td>MDR 480 Coaching and Directing of Musical Drama*</td>
<td>3</td>
</tr>
<tr>
<td>MUS 009 Recital Attendance (3 semesters)</td>
<td>0</td>
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<td></td>
<td>24</td>
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</tbody>
</table>

*Prerequisite TRE 488 Directing; consent of instructor.

**Requirements for a minor in Musical Drama with majors other than Music or Theatre/Speech**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDR 219, 319 Opera Workshop</td>
<td>9</td>
</tr>
<tr>
<td>MDR 289, 389 Musical Theatre</td>
<td></td>
</tr>
<tr>
<td>TRE 150 Acting I</td>
<td>3</td>
</tr>
<tr>
<td>MAP 119 (et al) Voice or MUS 117 Class Voice (see handbook)</td>
<td>3</td>
</tr>
<tr>
<td>MDR 297 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>MDR 378 History and Literature of the Lyric Stage</td>
<td>3</td>
</tr>
<tr>
<td>MDR 398 Theories and Practices of Movement in Musical Drama</td>
<td>3</td>
</tr>
<tr>
<td><strong>or</strong></td>
<td></td>
</tr>
<tr>
<td>MDR 480 Coaching and Directing Musical Drama*</td>
<td>3</td>
</tr>
<tr>
<td>MUS 111 Italian Diction</td>
<td>1</td>
</tr>
<tr>
<td>MAP 129 (et al) Piano or MUS 127 Class Piano (see handbook)</td>
<td>2</td>
</tr>
<tr>
<td>MUS 009 Recital Attendance (3 semesters)</td>
<td>0</td>
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<td></td>
<td>25</td>
</tr>
</tbody>
</table>

*Prerequisite TRE 498 Stage Direction; consent of instructor.
Every semester

STAGE LIGHTING AND DESIGN
See TR 440 on page 171.

MUSICAL DRAMA

COACHING AND DIRECTING OF

or consent of instructor.

Musical Theaters, and Minors; Pre-requisite: MDR 378.

and with children, Open to non-majors and Minors; Pre-requisite: MDR 378.

and with children, Open to non-majors; General music drama and the application for

movement applicable and utilized in all forms of sacred music drama (as Di":

Directorial direction techniques, better the basic notions of directing.

theater, working with groups and

in-depth study of the lyric stage: divided into 3 categories: sacred music

Musical Drama

THEORIES AND PRACTICES OF MOVEMENT IN

Stagecraft

See TR 340 on page 171.

For course description see ACC 396 on page 84.

Every semester 2 hours

Musical Theatre

See MDR 289 (above).

Musical Theatre

HISTORY AND LITERATURE OF THE

OPERA WORKSHOP

See MUS 219 on page 165.

Stagecraft

See TR 140 on page 171.

Musical Theatre

Fall/January

Musical Theatre

also MDR 389, Small ensemble (ARTS) of singing actors, scans from

Fall January

Spring/Summer 3 hours
**DEGREE REQUIREMENTS—THEATRE/SPEECH**

The Department of Performing Arts suggests that a major or minor in Theatre/Speech would be desirable for a student planning a career, not only in Theatre/Speech, but also in the ministry, religious education, secondary education, law, social work, or public relations. Scholarships are available by audition for the Repertory Acting Company, a small select ensemble which tours to churches, clubs and schools each semester. A major play is presented each semester; audition is open to the student body. A speech team competes in contests each year and performs publicly on campus.

**Requirements for a major in Theatre/Speech (B.A. Degree)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRE 120</td>
<td>Introduction to the Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TRE 140, 340</td>
<td>Stagecraft and Design</td>
<td>3</td>
</tr>
<tr>
<td>TRE 150</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>TRE 200</td>
<td>Theatre Participation</td>
<td>1</td>
</tr>
<tr>
<td>TRE 250, 255, 355</td>
<td>Acting II or Repertory Acting</td>
<td>3</td>
</tr>
<tr>
<td>TRE 300</td>
<td>Theatre Participation</td>
<td>1</td>
</tr>
<tr>
<td>TRE 370, 371</td>
<td>Theatre History I or II</td>
<td>3</td>
</tr>
<tr>
<td>TRE 375</td>
<td>Dramatic Literature</td>
<td>3</td>
</tr>
<tr>
<td>TRE 440, 470</td>
<td>Stage Lighting or Christian Drama</td>
<td>3</td>
</tr>
<tr>
<td>TRE 498</td>
<td>Stage Direction</td>
<td>3</td>
</tr>
<tr>
<td>SPC 113</td>
<td>Fundamentals of Speech</td>
<td>3</td>
</tr>
<tr>
<td>SPC 200</td>
<td>Speech Participation</td>
<td>1</td>
</tr>
<tr>
<td>SPC 292</td>
<td>Group Discussion</td>
<td>3</td>
</tr>
<tr>
<td>SPC 300</td>
<td>Speech Participation</td>
<td>1</td>
</tr>
<tr>
<td>SPC 311</td>
<td>Advanced Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>SPC 318</td>
<td>Voice and Diction</td>
<td>3</td>
</tr>
<tr>
<td>SPC 378</td>
<td>Oral Interpretation of Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPC 398</td>
<td>Communication and the Media</td>
<td>3</td>
</tr>
</tbody>
</table>

*45 hours*

Students are required to select three out of four available participation credits.

**Requirements for a minor in Speech**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
</thead>
<tbody>
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<td>3</td>
</tr>
<tr>
<td>SPC 292</td>
<td>Group Discussion</td>
<td>3</td>
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<td>SPC 311</td>
<td>Advanced Public Speaking</td>
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<tr>
<td>SPC 318</td>
<td>Voice and Diction</td>
<td>3</td>
</tr>
<tr>
<td>SPC 378</td>
<td>Oral Interpretation of Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPC 398</td>
<td>Communications and the Media</td>
<td>3</td>
</tr>
<tr>
<td>SPC 200, 300</td>
<td>Speech Participation</td>
<td>1</td>
</tr>
</tbody>
</table>

*19 hours*

**Requirements for a minor in Theatre**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TRE 140, 340</td>
<td>Stagecraft and Design</td>
<td>3</td>
</tr>
<tr>
<td>TRE 150</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>TRE 370, 371</td>
<td>Theatre History I or II</td>
<td>3</td>
</tr>
<tr>
<td>SPC 318</td>
<td>Voice and Diction</td>
<td>3</td>
</tr>
<tr>
<td>TRE 498</td>
<td>Stage Direction</td>
<td>1</td>
</tr>
<tr>
<td>TRE 200, 300</td>
<td>Theatre Participation</td>
<td>1</td>
</tr>
</tbody>
</table>

*19 hours*
Dramatic Literature

Fall, 1965, and alternate years/3 hours

Instructor: Lawrence, A. C.

Course Description: The study of dramatic literature, dramatic literature, period styles and theories. Fall, spring/3 hours.

Theatre History II (Greek to Restoration)

Spring, 1965, and alternate years/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Theatre History I

(above), see The 255 (above)

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Rehearsal Acting Company

Fall, spring/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Stagecraft and Design

Spring, 1965, and alternate years/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Acting II

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Stagecraft and Design

Spring, 1965, and alternate years/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Acting I

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Theatre Production

Fall, 1965, and alternate years/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Introduction to the Theatre

Fall, spring/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.

Theatre of the 19th Century to Modern

Spring, 1965, and alternate years/3 hours

Instructor: Lawrence, A. C.

Course Description: An in-depth study of the history and development of theatre from the Greek to Restoration period. Fall, spring/3 hours.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRE 440</td>
<td>STAGE LIGHTING AND DESIGN</td>
<td>Spring, 1986, and alternate years/3 hours. The art of designing lighting for</td>
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<td></td>
<td></td>
<td>the theatre. Students will actively participate in designing college</td>
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<tr>
<td></td>
<td></td>
<td>productions and classroom projects. Prerequisite: TRE 120 or consent of</td>
</tr>
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<td></td>
<td></td>
<td>instructor.</td>
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<tr>
<td>TRE 470</td>
<td>CHRISTIAN DRAMA.</td>
<td>Spring, 1988 and alternate years/3 hours. A creative Christian</td>
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<td></td>
<td>dramatics lab with opportunities to perform for churches and other</td>
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<td></td>
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<td>groups. Emphasis is on directing, selecting and editing, as well as</td>
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<td>performing religious drama. The student may choose to write original</td>
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<td>drama with a Christian message or to correlate Christian drama with</td>
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<td>music. Ways and means of utilizing dramatic activity, organizing a drama</td>
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<td></td>
<td></td>
<td>group, and training the inexperienced within a church are studied.</td>
</tr>
<tr>
<td>TRE 498</td>
<td>STAGE DIRECTION</td>
<td>Spring, 1986, and alternate years/3 hours. A study of theories and</td>
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<td></td>
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<td>techniques of interpreting and directing plays through lectures and</td>
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<td></td>
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<td>demonstrations. Students are required to participate in laboratory projects</td>
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<td>in directing one-acts or scenes from full-length plays for public</td>
</tr>
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<td></td>
<td></td>
<td>performance. Prerequisite: TRE 120 or consent of instructor.</td>
</tr>
<tr>
<td>TUT 300/</td>
<td>VOLUNTEER TUTORING</td>
<td>Every semester. For course description see TUT 300/400 on page 85.</td>
</tr>
<tr>
<td>400</td>
<td></td>
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</tbody>
</table>

**SPEECH**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 113</td>
<td>FUNDAMENTALS OF SPEECH</td>
<td>Every semester/3 hours. A basic course which emphasizes voice, diction, and</td>
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<td></td>
<td></td>
<td>basic principles of oral communication. It is normally prerequisite to all</td>
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<td></td>
<td></td>
<td>other courses in speech and drama. Required, or equivalent, for education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>majors.</td>
</tr>
<tr>
<td>SPC 292</td>
<td>GROUP DISCUSSION</td>
<td>Spring, 1985 and alternate years/3 hours. The study of the communicative</td>
</tr>
<tr>
<td></td>
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<td>process as it relates to the theory and techniques of group discussion.</td>
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<td></td>
<td>Participation in discussion groups. Prerequisite: SPC 113 or consent of</td>
</tr>
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<td></td>
<td></td>
<td>instructor.</td>
</tr>
<tr>
<td>SPC 311</td>
<td>ADVANCED PUBLIC SPEAKING</td>
<td>Every Fall/3 hours. An intense study of the techniques and practice of</td>
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<td>public speaking with emphasis on forensics. Provision is made for</td>
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<td></td>
<td>participation in tournament speaking. Prerequisite: SPC 113 or consent of</td>
</tr>
<tr>
<td></td>
<td></td>
<td>instructor.</td>
</tr>
<tr>
<td>SPC 318</td>
<td>VOICE AND DICTION</td>
<td>Every Fall/3 hours. A basic study of phonetics, principles of voice</td>
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<tr>
<td></td>
<td></td>
<td>production, vocabulary building, and the correction of weaknesses in voice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>production and enunciation.</td>
</tr>
<tr>
<td>SPC 378</td>
<td>ORAL INTERPRETATION OF LITERATURE</td>
<td>Every Spring/3 hours. A study of the methods and techniques of interpretive</td>
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<tr>
<td></td>
<td></td>
<td>oral reading of varied types of literature.</td>
</tr>
<tr>
<td>SPC 396</td>
<td>DEPARTMENTAL TUTORING</td>
<td>Every semester/2 hours. For course description see ACC 396 on page 84.</td>
</tr>
<tr>
<td>SPC 398</td>
<td>COMMUNICATIONS AND THE MEDIA</td>
<td>Spring, 1986 and alternate years/3 hours. A study of communication</td>
</tr>
<tr>
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<td></td>
<td>techniques for mass media, with emphasis on oral communications. Advertising,</td>
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<td>news reporting, programming, and children's television will be explored.</td>
</tr>
<tr>
<td>TUT 300/</td>
<td>VOLUNTEER TUTORING</td>
<td>Every semester. For course description see TUT 300/400 on page 85.</td>
</tr>
<tr>
<td>400</td>
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</tbody>
</table>
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 generally more technical and of a broader scope than college courses. Usually, any Religion or Bible course offered in college will be only preparatory and will not result in repetition at seminary. Students planning to enter religious or church related work are strongly encouraged to pursue seminary studies following graduation from college.

DEGREE REQUIREMENTS

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113 and 123 Old and New Testament History</td>
<td>6</td>
</tr>
<tr>
<td>BIB 373 Christian Doctrines</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Bible (may include 6 hours Religion)</td>
<td>21</td>
</tr>
</tbody>
</table>

Requirements for a minor in Bible

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113 and 123 Old and New Testament History</td>
<td>6</td>
</tr>
<tr>
<td>BIB 373 Christian Doctrines</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Bible (3 hours upper division)</td>
<td>9</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113 and 123 Old and New Testament History</td>
<td>6</td>
</tr>
<tr>
<td>BIB 373 Christian Doctrines</td>
<td>3</td>
</tr>
<tr>
<td>REL 303, 333, 353, or 463</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Bible or Religion</td>
<td>18</td>
</tr>
</tbody>
</table>

Requirements for a minor in Religion

<table>
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<tr>
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<th>Hours</th>
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<tr>
<td>BIB 113 and 123 Old and New Testament History</td>
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<tr>
<td>BIB 373 Christian Doctrines</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Bible or Religion (3 hours upper division)</td>
<td>9</td>
</tr>
</tbody>
</table>

Requirements for a minor in Religious Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 213 A Survey of Religious Education</td>
<td>3</td>
</tr>
<tr>
<td>REL 243 Church Administration</td>
<td>3</td>
</tr>
</tbody>
</table>
A student may receive a minor in Religious Education with a major in Bible but not with a major in Religion. These hours do not include BIB 113 and BIB 123.

**Two of the Following:**

- REL 391 Hypomonody
- REL 392 Church Reception
- REL 232 Church Drama: Directing and Performing
- REL 305 Audio Visual Media and Methods
- EDU 303 Foundations of Education or EED 343
- REL 333 Psychology in Religion

A study of the historical background, criticisms, and exposition of the Old Testament. An introduction and historical survey of the Old Testament. Every semester and every summer. 3 hours
BIB 433 LIFE AND TEACHINGS
OF CHRIST
Fall, 1984, and alternate years/3 hours
A study of the life of Jesus, with special attention given to his person,
teachings, and work. Prerequisites: BIB 113 and 123.

BIB 443 LIFE AND LETTERS OF PAUL
Every Spring/3 hours
A study of the life and times of the apostle Paul, with an interpretation of his
epistles' historical setting. Prerequisites: BIB 113 and 123.

BIB 463 BIBLICAL BACKGROUNDs
Spring, 1986, and alternate years/3 hours
A geographical and archaeological survey of Palestine and the countries
near it, and an examination of the important political, social, and religious
customs and conditions which have a bearing on Biblical history.
Prerequisites: BIB 113 and 123.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see TUT 300/400 on page 85.

NEW TESTAMENT GREEK

The courses in Greek are designed
to enable the student to acquire an
early mastery of the essentials of
inflection and syntax, to resolve the
principal difficulties of grammatical
analysis, and to develop in the student
a vigorous and independent interest
in the Greek New Testament. Fourteen hours of Greek (two years)
are recommended for the Bachelor of Arts degree. Students who plan to
enter the Master of Divinity program
in seminary should take at least one
year of Greek in college.

GRK 274 BEGINNER’S GREEK
Every Fall/4 hours
Offered for persons who are studying Greek for the first time or for those
whose preparation is not adequate for entering a more advanced class in
Greek. Designed to give the fundamentals necessary to study the Greek
New Testament. Sophomore standing or special permission is required.

GRK 284 BEGINNER’S GREEK
Every Spring/4 hours
Continuation of GRK 274. A study of Davis’ Grammar is completed, with
simple exercises for reading and translation. Special attention is given to the
meaning of cases, prepositions, and tenses. Prerequisite: GRK 274 or
equivalent.

GRK 373 ADVANCED GREEK GRAMMAR
Every Fall/3 hours
For second year students of the Greek New Testament. Forms, syntax, and
prose composition are reviewed. The student is required to translate 1
Thessalonians and is given, with each lesson, a demonstration of the
significance of Greek forms as vital to accurate translation. Prerequisite:
GRK 284.

GRK 383 ADVANCED GREEK GRAMMAR
Every Spring/3 hours
Continuation of GRK 373. This course includes an exegesis of one short
New Testament book, designed to help prepare the student for the use of
the most effective methods of exegesis of the Greek New Testament.
Prerequisite: GRK 373.

GRK 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see ACC 396 on page 84.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see TUT 300/400 on page 85.
PSY 333, designed to help the student understand and cope with the major problems of professional ministry. The course is open to all students, regardless of their major field of study. Spring: 1996, and alternate years, 3 hours.

CHRISTIAN MONTAGE

See HIS 309 on page 113.

REL 302

CHURCH HISTORY

See REC 309 on page 108.

REL 298 on page 112.

REL 299

CHRISTIAN DANCE, DIRECTING, AND PERFORMING

SINGING, 1996, and alternate years, 3 hours.

REL 243

CHRISTIAN ADMINISTRATION

An introduction to the study of the administration of the church, including its programs, finances, and personnel. Fall: 1997, and alternate years, 3 hours.

REL 246

EDUCATION

A survey of the major religious leaders and movements and the impact they have had on society. Fall: 1997, and alternate years, 3 hours.

REL 247

TRAINING IN CHRISTIAN DISCIPLESHIP I

An intensive study of the basic disciplines of Christian discipleship, focusing on the formation of character, values, and habits. Fall: 1997, and alternate years, 3 hours.

REL 248

TRAINING IN CHRISTIAN DISCIPLESHIP II

Continuation of REL 247 with emphasis on developing effective leadership skills. Fall: 1997, and alternate years, 3 hours.

REL 249

DEVELOPMENT IN MINISTRIES

A six-week seminar in which students develop plans for ministry. Fall: 1997, and alternate years, 3 hours.

REL 250

THEOLOGICAL FOUNDATIONS

A study of the major theological issues facing the church today. Fall: 1996, and alternate years, 3 hours.

REL 251

RELIGIOUS EDUCATION

A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 252

RELIGIOUS MINISTRY

A study of the major religious ministries and their role in society. Fall: 1996, and alternate years, 3 hours.

REL 253

RELIGIOUS ETHICS

An introduction to the major ethical issues facing the church today. Fall: 1996, and alternate years, 3 hours.

REL 254

RELIGIOUS ARTS

A study of the role of the arts in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 255

RELIGIOUS HISTORY

A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 256

RELIGIOUS PHILOSOPHY

A study of the major philosophical traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 257

RELIGIOUS THEOLOGY

A study of the major theological traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 258

RELIGIOUS SCIENCE

A study of the role of science in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 259

RELIGIOUS PSYCHOLOGY

A study of the role of psychology in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 260

RELIGIOUS SOCIOLOGY

A study of the role of sociology in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 261

RELIGIOUS POLITICAL SCIENCE

A study of the role of political science in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 262

RELIGIOUS ECONOMICS

A study of the role of economics in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 263

RELIGIOUS HISTORY

A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 264

RELIGIOUS PHILOSOPHY

A study of the major philosophical traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 265

RELIGIOUS THEOLOGY

A study of the major theological traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 266

RELIGIOUS ARTS

A study of the role of the arts in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 267

RELIGIOUS HISTORY

A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 268

RELIGIOUS PHILOSOPHY

A study of the major philosophical traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 269

RELIGIOUS THEOLOGY

A study of the major theological traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 270

RELIGIOUS ARTS

A study of the role of the arts in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 271

RELIGIOUS HISTORY

A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 272

RELIGIOUS PHILOSOPHY

A study of the major philosophical traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 273

RELIGIOUS THEOLOGY

A study of the major theological traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 274

RELIGIOUS ARTS

A study of the role of the arts in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 275

RELIGIOUS HISTORY

A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 276

RELIGIOUS PHILOSOPHY

A study of the major philosophical traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 277

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REL 281

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A study of the major theological traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 282

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A study of the role of the arts in religious expression. Fall: 1996, and alternate years, 3 hours.

REL 283

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REL 284

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REL 286

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A survey of the major religious traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 288

RELIGIOUS PHILOSOPHY

A study of the major philosophical traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.

REL 289

RELIGIOUS THEOLOGY

A study of the major theological traditions and their impact on society. Fall: 1996, and alternate years, 3 hours.
REL 353  CHURCH HISTORY  See HIS 353 on page 114.
REL 363  AUDIO-VISUAL MATERIALS AND METHODS
         See EDU 363 on page 96.
REL 373  PASTORAL MINISTRY  Fall, 1985, and alternate years/3 hours
         A study of the philosophy and practice of pastoral work, including a
         study of the pastor's call, his leadership role in the church, his personal
         character, health and preparation, pastoral care, preaching, counseling,
         leadership in worship, and administration of church affairs.
REL 383  HOMILETICS  Fall, 1984, 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 162.
REL 396  DEPARTMENTAL TUTORING
         For course description see ACC 396 on page 84.
REL 463  WORLD RELIGIONS  On demand/3 hours
         Also PHI 463. A study of the major religions of the world, both ancient
         and contemporary, with emphasis upon primitive religions; Hinduism,
         Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam, and
         Judaism.
TUT 300/  VOLUNTEER TUTORING  Every semester/No credit
        400 For course description see TUT 300/400 on page 85.

PHILOSOPHY

PHI 213  INTRODUCTION TO PHILOSOPHY  Every Spring/3 hours
         A survey of the types of philosophy, the basic problems which man has
         faced, and the philosophic attempts to solve these problems.
PHI 311  INTRODUCTION TO ETHICS  On demand/3 hours
         Introduction to Ethics theories and principles within the Christian
         perspective. Issues and application in business, religion, psychology and
         nursing majors are addressed in separate problems sections. This course
         provides the foundation for further ethic inquiry.

PHI 463  WORLD RELIGIONS  See REL 463 (above).

CENTER FOR BIBLICAL STUDIES

The Department of Religion has established a Center for Biblical
Studies to enlist more students in the study of Bible and religion and to
render a service to the community.

Under this program a person not enrolled in any other college may take
up to seven hours of college work per semester, all of which must be in
Bible, Greek, or Religion. These courses may be audited or taken for
credit. Any of the courses listed in the

Department of Religion, except Philosophy, may be taken under the
program, only during a regular Fall or Spring semester.

A certificate will be awarded upon completion of 18 hours and an
advanced certificate for 30 hours.

There is a special tuition fee of one-half the regular rate. See page 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 and Professional Goals in Health Care, the student applies to the nursing major. Approval of acceptance into the Samaritan College of Nursing will be determined by the 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. There is an adjusted curriculum for returning R.N. students. Contacts should be made through the College of Nursing for specific information. 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 Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEW 101, 102</td>
<td>Grammar/Composition</td>
<td>6</td>
</tr>
<tr>
<td>CHE 101, 102</td>
<td>Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>PSY 213</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 250</td>
<td>Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>BIO 251, 252</td>
<td>Anatomy &amp; Physiology</td>
<td>8</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 344</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>**MAT 120</td>
<td>Intermediate Algebra</td>
<td>3</td>
</tr>
<tr>
<td>NUR 201</td>
<td>Personal &amp; Professional Goals in Health</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Care</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total 40 hours</strong></td>
<td></td>
</tr>
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</table>

Nursing

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 202</td>
<td>Fundamentals of Nursing</td>
<td>5</td>
</tr>
<tr>
<td>NUR 203</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 40 hours
Samohlan College of Nursing 181
SOPHOMORE

Fall
Goals in Health Care (NUR 201) 2
Microbiology (BIO 344) 4
Growth & Development (PSY 250) 3
Bible or History* 3
Principles of Sociology (SOC 213) 3
Physical Education* 1

Spring
Fundamentals of Nursing (NUR 202) 5
Probability & Statistics (PSY 363)* 3
Introduction to Pharmacology (NUR 203) 3
Bible or History* 3
Physical Education* 1

16 cr 15 cr

January Term — 3 cr

JUNIOR

Fall
Maternity Nursing (NUR 301) 6
Pediatric Nursing (NUR 302) 6
Bible or History* 3

Spring
Concepts of Med/Surg Nursing (NUR 303) 6
Mental Health Nursing (NUR 304) 6
Humanities Elective* 3

15 cr 15 cr

January Term — 3 cr

SENIOR

Fall
Community Health Nursing (NUR 401) 6
Advanced Med/Surg Nursing (NUR 402) 6
Introduction to Ethics (PHL 311)* 3

Spring
Nursing Leadership/Management (NUR 403) 6
Research, Trends & Issues (NUR 404) 3
Senior Nursing Internship (NUR 498) 3
Free Elective 3

15 cr 15 cr

January Term — 3 cr

TOTAL HOURS FOR BACHELOR OF SCIENCE IN NURSING: 128 HOURS

* Required for graduation, not a prerequisite to nursing major
** Zoology (BIO 214) is a prerequisite if no high school biology
*** Based on high school math background, MAT 095 or MAT 120 may be recommended

NUR 201 PERSONAL AND PROFESSIONAL GOALS IN HEALTH CARE

Introduces the relationships of nursing and related helping professions involved in health care. The evolution of nursing practice education and professional organizations is discussed with emphasis on a personal decision for nursing. The philosophy of the College of Nursing is presented as a framework for the nursing major. Students considering nursing or other helping professions are encouraged to explore unique opportunities for growth. Prerequisite: 30 hours or approval of instructor.
health nursing. Prerequisite: NUR 30A. The student is prepared for beginning practice in community health/population groups. Core courses include the study of health promotion, identification, and prevention of primary health care focusing specifically on the prevention of illness and the promotion of health in the community. Includes the nursing role in the provision of primary health care focusing specifically on the prevention of illness and the promotion of health in the community.

COMMUNITY HEALTH NURSING

For course descriptions, see ACC 396 on page 84.

E 401

DEPARTMENTAL TESTING

NUR 396

NUR 232

WOMEN'S HEALTH

NUR 301, 302

Interpersonal, relationship skills. Prerequisite: NUR 301, 302.

Instructed by professional, relationship skills. Prerequisites: NUR 301, 302.

NUR 303

Mental health nursing. Clinical experience includes interrelationships and personal problems. Assesments, pharmacology and pharmacotherapeutics. Emphasis is on the emotional, social, and physical needs of the patient as a part of the nursing process. 6 semester hours.

NUR 304

Concepts of Medical/Surgical Nursing

NUR 305

Pediatric Nursing

NUR 306

Maternal Nursing

NUR 201, 202

Introduction to Pharmacology

NUR 203

Fundamentals of Nursing

Seminario College of Nursing
NUR 402  ADVANCED MEDICAL-SURGICAL NURSING  
Every semester/6 hours  
This course presents the complex nursing care of the medical-surgical adult in the intensive care area and emergency room. Pathophysiology and related nursing care of life threatening disruptions involving cardiac, respiratory, neurological, renal, gastrointestinal, other organ dysfunctions are covered in theory and clinical situations. Prerequisite: NUR 304.

NUR 403  NURSING LEADERSHIP AND MANAGEMENT  
Every semester/6 hours  
Present purposes and methods of leadership styles within the clinical setting. Emphasis is on the management of groups of patients, consumers and professional staff. Content includes: planning and evaluating nursing care, supervising personnel, developing education skills, understanding budget and finance within organizations and identifying 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, legislation, nursing trends, publications and change. Content includes: research in nursing affecting health care, ethics, nursing manpower, professional writing and expanded roles for nurses. Prerequisites: NUR 401, 402.

NUR 498  SENIOR NURSING INTERNSHIP  
Every semester/3 hours  
Provides a student 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.  
Prerequisites: NUR 401, 402.

TUT 300/400  VOLUNTEER TUTORING  
Every semester/No credit  
For course description see TUT 300/400 on page 85.
DEPARTMENT DESCRIPTION

Through an agreement with Arizona State University at Tempe, Arizona, students at Grand Canyon College can take freshman and sophomore classes in ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University. The goal of the ROTC classes is to provide a foundation of military knowledge and skills needed by junior officers in the military. Students may take ROTC credit in (Army) Military Science or (Air Force) Aerospace Studies. For further information contact Army ROTC at 965-3318 or Air Force ROTC at 965-3181.

AIR FORCE ROTC

Purpose

The Aerospace Studies curriculum consists of the General Military Course (GMC) for freshmen and sophomores and the Professional Officer Course (POC) for juniors and seniors. Through an arrangement with Arizona State University at Tempe, students at Grand Canyon College can take the GMC and the POC at Arizona State University. Upon receiving a four-year bachelor’s degree and completion of the POC at any university offering Air Force ROTC, the student will receive a commission as a Second Lieutenant in the Air Force.

General Qualifications

A man or woman entering AFROTC must (1) be a citizen of the United States (noncitizens may enroll, but they must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the Professional Officer Course. If designated for flying training, one must be able to complete all commissioning requirements prior to age 26½; in other categories one must be able to complete all commissioning requirements prior to age 30 (without a waiver).

Four-Year Program

A formal application is not required for students entering the GMC. Students register for Air Force ROTC at the same time and in the same manner as other courses. During their first two years, students enroll in the GMC normally taking one Aerospace Studies course each semester. AFROTC students not on AFROTC scholarship incur no military obligation. They receive 2.0 semester hours of credit for each AES 100 and 200 class completed. The classes consist of one hour of academic instruction and one hour of Leadership Laboratory a week. Selection for the POC is based on a system that uses several factors to determine a student’s officer potential. This includes an Air Force aptitude test, a physical examination, and an interview board. Students must apply for the POC and be accepted before enrolling in POC classes. Those students accepted will attend a four-week field training encampment
Scholarships

Air Force ROTC offers scholarships to outstanding high school seniors interested in entering college. The student must meet the following criteria to qualify for the program:

2. Meet the entrance requirements for entering college.
3. Be enrolled in a four-year college or university.
4. Maintain a minimum grade point average of 2.0.

Allowances

Pay and allowances paid to POC members in their junior and senior years include:

- 100% fee assistance for a maximum of 20 months of college
- 1/2 of college tuition
- 12 months of pay
- 4 months of pay
- 4 months of pay

Qualifications

For POC (Professional Officer Candidate) courses, the student must:

1. Complete the Air Force Officer Qualifying Test (AFQT).
2. Complete the Air Force Officer Qualifying Test (AFQT).
3. Complete the Air Force Officer Qualifying Test (AFQT).
4. Complete the Air Force Officer Qualifying Test (AFQT).

Two-Year Program

Commissioned Student:

An Air Force ROTC student is commissioned in the U.S. Air Force Reserve as a Second Lieutenant. The student must:

1. Complete the Air Force Officer Qualifying Test (AFQT).
2. Complete the Air Force Officer Qualifying Test (AFQT).
3. Complete the Air Force Officer Qualifying Test (AFQT).
4. Complete the Air Force Officer Qualifying Test (AFQT).

Reserve Officers Training Corps (ROTC)
their high school counselors or an AFROTC detachment. Male and female students enrolled in AFROTC at Grand Canyon College are eligible for three-and-two-year scholarships. Consideration is given to academic grades, score achieved on the Air Force Officer Qualifying Test, and physical fitness. A board of officers considers an applicant’s personality, character, and leadership potential. Officer slots available in the AFROTC include pilot, navigator, missileman, technical field and nontechnical fields. For more information contact AFROTC at 965-3181.

### AEROSPACE STUDIES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES 102</td>
<td>AEROSPACE STUDIES</td>
<td>2</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</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</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</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</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</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>
</tbody>
</table>
The goal of this professional education is to prepare...

**Purpose**

**Army ROTC**

**Non-Credit Limited to Senior Cadets who are Selected as Pilot Candidates**

**ENS 403 AIRCRAFT INSTRUCTION**

Leadership, Practical Application Lab. The overall defense policy-making processes. These include: 1 hour formal instruction and informal development in strategic planning. Emphasis on formulation and implementation of U.S. defense policies. Impact of 3 hours AEROSPACE STUDIES

**Reserve Officers Training Corps 189**
Students normally enroll in Army ROTC during their freshman year. They take the Basic Course during the first two years, receiving a total of 8 semester hours credit for the four semesters of study. Upon satisfying the requirements stated above, they enter the Advanced Course where they will earn 10 semester hours of credit for the four semesters of study. In addition, students will attend a five-week advanced summer camp at an Army post between their third and fourth years. Upon successful completion of the Advanced Course and requirements for a degree, they are commissioned as Second Lieutenants in the United States Army Reserve.

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.
MILITARY SCIENCE

Students who desire to earn a graduate degree acquire duty for up to four years is available to outstanding students who desire an Army career and receive a Regular Army commission. The Regular Army ROTC program allows students to graduate with a degree in Science, Mathematics, Engineering, or Business Administration.

Active Duty Allowances

Pay and allowances are provided to students attending advanced courses.

Financial Assistance Programs

Scholarships, Grants, and Loans are available to ROTC students.

Camp Competition

Scholarships, Grants, and Loans are available to ROTC students.

The student attends college...

ROTC pays over $1000 per month for 20 months of active duty.

Simultaneous Membership Program

A student may serve in the ROTC program and earn a degree in Science, Mathematics, Engineering, or Business Administration.

Experience is not necessary.

Specific college students who desire a career in the Army receive a commission in the ROTC program.

Previous military or ROTC experience is not necessary.

Summer camp "paying the way" program pays $1000 per month for 20 months of active duty.

Reserve Officers' Training Corps 191
MIS 201  LEADERSHIP AND MANAGEMENT DEVELOPMENT  2 hours
Evolution of warfare and theories of conflict; organization and role of the U.S.
Department of Defense in national security; interdisciplinary approach to
leadership and management; resource management in small unit
operations; effective techniques for decision-making studies. One lecture-
conference, 1 hour Leadership Practical Application.

MIS 202  LAND NAVIGATION  2 hours
Military geography; use of maps and aerial photographs; orienteering and
land navigation, fundamentals and problems. One lecture-conference, 1
hour Leadership Practical Application.

MIS 301  ADVANCED MILITARY SCIENCE  3 hours
Theory, organization, and dynamics of military forces in combat operations;
small unit offensive and defensive tactics. Prerequisites: MIS 201 and 202,
or equivalent. Three lectures-conferences, 1 hour Leadership Practical
Application.

MIS 302  ADVANCED MILITARY SCIENCE  3 hours
Roles of the branches of the Army; organization of the special and general
staff; preparation for applied leadership; command and staff relationships.
Prerequisites: MIS 301. Three lectures-conferences, 1 hour Leadership
Practical Application, 3-day field training exercise.

MIS 401  ADVANCED MILITARY SCIENCE  2 hours
The military legal system; evolution of the U.S. Army; selected campaigns
and leaders through the Spanish-American War; opposing strategies;
objectives, attitudes, relationships to changing social, economic, political
and military institutions. Prerequisites: MIS 303A and 303B. Two lectures-
conferences, 1 hour Leadership Practical Application.

MIS 402  ADVANCED MILITARY SCIENCE  2 hours
Selected campaigns and leaders from 1917 to the present; U.S. position in
the contemporary world and its impact on military command and
management; career planning and personal affairs. Prerequisites: MIS 401.
Two lectures, 1 hour Leadership Practical Application.
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Students/  B.A., Southern Illinois University/M.Ed., University of Missouri/Doctoral
Director of  Candidate, Arizona State University
Placement

Athletic Director/  Gil Stafford, B.A., M.S.
Baseball Coach  B.A., M.S., Arizona State University
Registrar  Mary Johnson, B.G.S.
B.G.S., Grand Canyon College
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- Financial Aid
- Mail Clerk

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- Mr. Tony Carter, B.S.
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- Mr. Brad Bonham

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- Mrs. Dorothy Bickers

GRAND CANYON COLLEGE
- P.R. Athletic Facilities Supervisor
  - Mr. Keith Baker, B.A.

DIRECTOR OF ATHLETICS
- Alumnus

DEAN OF STUDENTS/SAE:
- Dr. Beverly Spiller, B.S., M.S.

DEAN OF STUDENTS/SAE:
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- B.S., Grand Canyon College
- B.A., L.L.D.
- B.A., Grand Canyon College
- B.A., Wernp.

LAURA CHESKOE

AUGUSTINE UNIVERSITY
- B.A., M.A., Wernp.
- B.S., Grand Canyon College
- B.S., Grand Canyon College

MARILYN THOMPSON, B.A.

CAREER SERVICES/SAE
- M.A., New Orleans Seminary
- B.A., Louisiana College/M.S., Louisiana State University/M.B.A., M.C.M.

P.AUL POWELL, B.A., M.L.S., B.A., M.C.M.

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- John Shumate, B.S.

HUMAN RESOURCES
- Sandra Mitch, B.A., M.B.A.

FINANCIAL AID
- B.B.A., Texas A & M/B.A., University of Texas at San Antonio

CASH
- B.B.A., Texas A & M/B.A., University of Texas at San Antonio

HEAD BASEBALL
- Services

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B.A., Grand Canyon College
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The list of faculty is in alphabetical order by the faculty member’s name.

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MRS. Carol Smith, B.A., Grand Canyon College

MRS. Veda Harvy, B.A., Grand Canyon College

Director of Housing

Miss Linda Silva, B.A., Grand Canyon College

Mr. James Sander, B.S., Grand Canyon College

Mr. Tim Plummer, Program Director

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Sports Information Director

Mr. John Person

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<td>Robert Reberger</td>
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