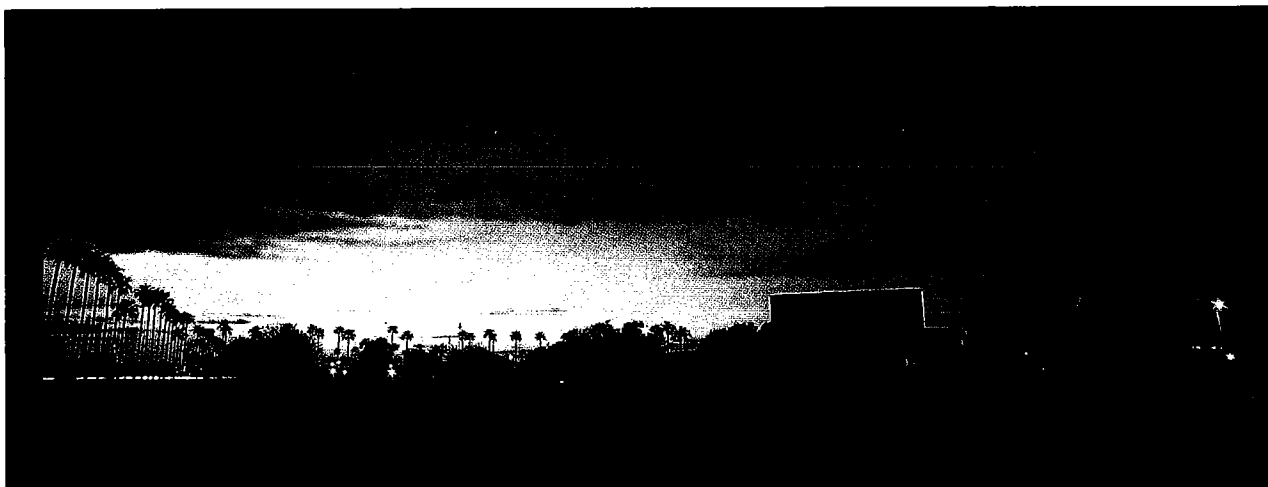


GRAND CANYON UNIVERSITY



C A T A L O G 1 9 9 6 - 9 7

*I*N A
CLASS
BY
ITSELF

Phoenix, Arizona



GRAND CANYON UNIVERSITY

Catalog for 1996-97

A Christian Liberal Arts
University,
Owned and Operated
by Arizona
Southern Baptists

Founded in 1949



PRINTED
IN
U.S.A.

3300 W. Camelback Road
Phoenix, Arizona
Volume XXXVII
May, 1996

WHOM TO CONTACT

Concerning:	Write:	Call: (602)
Academic Matters, Faculty, Curriculum	Vice President for Academic Affairs	589-2531
Academic Records, Registration, Transcript Requests	Office of Academic Records	589-2850
Administration, Legal Matters	Provost	249-3300
Admissions, Application Procedures	Office of Admissions	589-2855
Athletics	Athletic Director	589-2806
Alumni Association	Director of Alumni	249-3300
College of Business	Dean	589-2867
College of Christian Studies	Dean	589-2464
College of Communications and Fine Arts	Dean	589-2568
College of Continuing Studies	Dean	274-1404
College of Education	Dean	589-2868
College of Liberal Arts and Social Sciences	Dean	589-2450
College of Science and Allied Health	Dean	589-2714
College of Nursing (Samaritan College of Nursing)	Dean	589-2730
Campus Housing	Director of Housing	589-2892
Fund Development, Estate Planning, Endowed Gifts	President of the Grand Canyon University Foundation	249-3300
Publicity Materials	Director of Publications	249-3300
Scholarships, Loans, Grants, Veterans Affairs	Office of Financial Aid	589-2885
Student Accounts, Tuition, Fees, Expenses	Business Office	589-2880
Student Activities	Office of Student Development	589-2830
Student Employment	Director of Student Employment	589-2830

University Main Switchboard Number:

(602) 249-3300

1 - 800 - 800-9776

University Mailing Address:

Grand Canyon University
P. O. Box 11097
Phoenix, AZ 85061-1097

University Street Address:

Grand Canyon University
3300 West Camelback Road
Phoenix, AZ 85017-1097

Please bring this catalog to Grand Canyon University with you when you enroll. You will refer to it often.

Thank You

This catalog contains current information regarding the calendar, admissions, degree requirements, fees, regulations and course offerings. This catalog is for informational purposes and does not constitute a contract. The University reserves the right to make changes of any nature to the calendar, programs, fees, or academic schedules whenever they are deemed necessary or desirable, including changes in course content, class rescheduling, and the cancelling of scheduled classes or other academic activities.

In accordance with federal laws and regulations, Grand Canyon University does not discriminate against any student or prospective student on the basis of sex, race, religion, age, physical handicap, or national origin in its educational programs or activities.

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ACADEMIC CALENDAR: SUMMER 1996 - SPRING 1997 (with Summer 1997 projections)

SUMMER I 1996: (Classes Meet Monday through Friday)

Registration (8 a.m. - 5 p.m.)	May 6
Instruction Begins	May 6
Late Registration	May 7 - May 8
Last Day to Add a Class	May 8
Last Day to Drop a Class/Change to Audit	May 15
Summer I Ends	May 24
Memorial Day (No Classes, Offices Closed)	May 27
Summer I Grades Due by Noon	May 28

SUMMER A 1996: (Classes meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	May 10
Instruction Begins	May 13
Late Registration	May 13 - May 15
Last Day to Add a Class	May 15
Memorial Day (No Classes, Offices Closed)	May 27
Last Day to Drop a Class/Change to Audit	May 30
Summer A Ends	June 20
Summer A Grades Due by Noon	June 24

SUMMER II 1996: (Classes Meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	May 24
Instruction Begins	May 28
Late Registration	May 28 - May 30
Last Day to Add a Class	May 30
Last Day to Drop a Class/Change to Audit	June 13
Summer II Ends	June 27
Summer II Grades Due by Noon	July 1

SUMMER B 1996: (Classes meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	June 21
Instruction Begins	June 24
Late Registration	June 24 - June 26
Last Day to Add a Class	June 26
Independence Day (No Classes, Offices Closed)	July 4
Last Day to Drop a Class/Change to Audit	July 10
Summer B Ends	August 1
Summer B Grades Due by Noon	August 5

SUMMER III 1996: (Classes meet Monday through Friday)

Registration (8 a.m. - 5 p.m.)	June 28
Instruction Begins	July 1
Late Registration	July 1 - 3
Last Day to Add a Class	July 3
Independence Day (No Classes, Offices Closed)	July 4
Last Day to Drop a Class/Change to Audit	July 12
Summer III Ends	July 26
Summer III Grades Due by Noon	July 29

FALL SEMESTER 1996:

College Faculty Meetings	Aug 16
Residence Halls Open to New Students (7-9 p.m.)	Aug 16
New Student Orientation	Aug 17-19
Parents Orientation	Aug 17
Residence Halls Open for Returning Students (2-5 p.m.)	Aug 18
New Student Orientation/Group Advisement/Priority Registration	Aug 19
†Registration for Graduate Students, Second Degree, Fifth Year, and Seniors	Aug 20
†Evening Registration (6-7 p.m.)	Aug 20
†Registration for Juniors, Sophomores, Freshmen, and Unclassified Students	Aug 21
Instruction Begins	Aug 22
Late Registration	Aug 22-30
Last Day to Add a Class	Aug 30
Labor Day (No Classes, Offices Closed)	Sep 2
Mid-term Examinations	Oct 7-11
Mid-term Grades Distributed to Students	Oct 14-18
Last Day to Drop a Class/Change to Audit	Nov 1
Veteran's Day (No Classes, Offices Closed)	Nov 11
(Exception: Classes beginning after 4:00 pm)	
Priority Pre-Registration for Spring/Summer 1997 Classes (Open to Currently Enrolled Students Only)	Nov 4-15
Evening Pre-Registration (6-7 p.m.) (Open to Currently Enrolled Students Only)	Nov 5
Preregistration for Spring/Summer 1997 Classes (Open to Currently Enrolled Students Only)	Nov 18-Dec 10
Thanksgiving Holiday (No Classes, Offices Closed)	Nov 28-29
Grades for Incompletes earned in Spring or Summer 1996 due	Dec 2
Final Examinations	Dec 5-6, 9-10
Senior Grades Due by Noon	Dec 11
December Commencement Activities	Dec 13
Fall Final Grades Due by Noon	Dec 16
Christmas Holiday	Dec 11-Jan 3

Student Teaching - Fall 1996:

Education Block Courses Begin	Aug 22
Last Day to Register for Block Courses	Aug 28
Last Day to Drop Block Courses	Sep 6
Education Block Courses End	Sep 27
Fall Student Teaching Begins	Sep 30
Fall Student Teaching Ends	Dec 6

†Refer to Class Bulletin for specific times.

SPRING SEMESTER 1997:

Residence Halls Open/New Students	Jan 1
Residence Halls Open for Returning Students	Jan 2
New Student Orientation/Group	Jan 2-3
Advisement/Priority Registration	
Faculty Workshop (Morning)	Jan 2
†Evening Registration	Jan 2
†Registration	Jan 3
Instruction Begins	Jan 6
Late Registration	Jan 6-10
Last Day to Add a Class	Jan 10
Martin Luther King, Jr./Civil Rights Day	Jan 20
(No Classes, Offices Closed)	
President's Day (No Classes, Offices Closed)	Feb 17
(Exception: Classes Beginning After 4:00 pm)	
Mid-term Examinations	Feb 24-28
Spring Break (No Classes)	Mar 3-7
Mid-term Grades Distributed to Students	Mar 10-14
Last Day to Drop a Class/Change to Audit	Mar 21
†Priority Pre-Registration	Mar 24-Apr 4
for Summer/Fall 1997 Classes	
(Open to Currently Enrolled Students Only)	
†Evening Pre-Registration	Mar 25
(Open to Currently Enrolled Students Only)	
Good Friday (No Classes, Offices Closed)	Mar 28
†Pre-Registration for Summer/Fall 1997 Classes	Apr 7-29
(Open to Currently Enrolled Students Only)	
Final Examinations	Apr 24-25, 28-29
Senior Grades Due by Noon	Apr 30
Baccalaureate	May 2
Graduation	May 3
Spring Final Grades Due by Noon	May 5

Student Teaching Spring 1997:

Education Block Classes Begin	Jan 6
Last Day to Register for Block Courses	Jan 10
Last Day to Drop Block Courses	Jan 17
Education Block Courses End	Feb 14
Spring Student Teaching Begins	Feb 18
Spring Student Teaching Ends	Apr 29

TENATIVE SUMMER 1997 SCHEDULE

(See Summer 1997 Bulletin for final schedule.)

SUMMER I 1997: (Classes Meet Monday through Friday)

Registration	May 5
Instruction Begins	May 5
Late Registration	May 6-May 7
Last Day to Add a Class	May 7
Last Day to Drop a Class/Change to Audit	May 14
Summer I Ends	May 23
Memorial Day (No Classes, Offices Closed)	May 26
Summer I Grades Due by Noon	May 27

SUMMER A 1997 (Classes Meet Monday through Thursday)

Registration	May 16
Instruction Begins	May 19
Late Registration	May 19-21
Last Day to Add a Class	May 21
Memorial Day (No Classes, Offices Closed)	May 27
Last Day to Drop a Class/Change to Audit	Jun 6
Summer A Ends	Jun 26
Summer A Grades Due by Noon	Jun 30

SUMMER II 1997: (Classes meet Monday through Friday)

Registration	May 23
Instruction Begins	May 27
Late Registration	May 27-29
Last Day to Add a Class	May 29
Last Day to Drop a Class/Change to Audit	Jun 6
Summer II Ends	Jun 20
Summer II Grades Due by Noon	Jun 23

SUMMER III 1997: (Classes meet Monday through Friday)

Registration	Jun 20
Instruction Begins	Jun 23
Late Registration	Jun 23-25
Last Day to Add a Class	Jun 25
Last Day to Drop a Class/Change to Audit	Jul 3
Independence Day (No Classes, Offices Closed)	Jul 4
Summer III Ends	Jul 18
Summer III Grades Due by Noon	Jul 21

SUMMER B 1997 (Classes Meet Monday through Thursday)

Registration	Jun 27
Instruction Begins	Jun 30
Late Registration	Jun 30-Jul 2
Last Day to Add a Class	Jul 2
Independence Day (No Classes, Offices Closed)	Jul 4
Last Day to Drop a Class/Change to Audit	Jul 18
Summer B Ends	Aug 8
Summer B Grades Due by Noon	Aug 11

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† Refer to Class Bulletin for specific times.

General University Information

Mission Statement **MISSION STATEMENT**

Purpose Statement Grand Canyon University is a
 Foundational Statement **student focused** institution that provides an
 Accreditation **academically challenging** education in a
 Historical Sketch **Christian community** for students from
diverse backgrounds who live in a constantly changing world.

Governing Body **PURPOSE STATEMENT**

Faculty As a private Christian Liberal Arts institution of higher education, Grand Canyon University is **student focused**.
 Alumni Association The University environment promotes student development intellectually, spiritually, socially and physically. Further, it encourages exploration of leadership, vocational and interpersonal skills. Grand Canyon University is committed to developing lifelong learners and helps all of its students reach their full potential.

University Campus University Seal Grand Canyon University offers an **academically challenging** curriculum at both the undergraduate and graduate levels.
 University Logo With its undergraduate curriculum founded on a strong core of liberal arts and sciences, Grand Canyon provides both traditional and innovative programs for today's students that will enable them to think critically, solve problems, communicate effectively and acquire an understanding and appreciation of their own and other cultures and times. Grand Canyon also provides graduate, professional, and continuing studies programs designed to meet the needs of students who have identified career or personal objectives requiring an advanced or specialized course of study ranging from one class to an entire degree.

Grand Canyon University is a **Christian community** which values the integration of faith into learning and into the complexities of contemporary living. The institution helps students to develop values basic for spiritual fulfillment and wholesome personal growth and to serve the larger community. The institution also serves the larger community by reaching out to meet the needs of those who wish to complete a degree or pursue graduate or professional coursework through its off-campus and distance-learning programs.

In valuing the uniqueness of each individual, Grand Canyon University welcomes students of **diverse backgrounds** from across the United States and around the world regardless of gender, age, race, or religion.

FOUNDATIONAL STATEMENT

Grand Canyon University prepares students to live, learn, and remain relevant to options in a changing world. Its programs are based upon the following assumptions:

1. Students enter higher education with individual world views. The essence of a strong educational program encourages inquiry and an exploration of conflicting views with fairness and integrity.

2. Students have individual goals and abilities. Some students anticipate acquiring broad, generalized competencies, while others wish to prepare for specialized professional careers or advanced study. Part of the educational process is to assist students in selecting goals that best suit their abilities.
3. Education is an active process; the student is expected to be a participant in all phases. Active participation increases the likelihood that students will develop the joy of learning and appreciate the intrinsic value of lifelong learning habits which are essential in today's rapidly changing society. This process of developing lifelong learning habits allows changes in vocational direction as interests and commitments change or as situations demand.
4. Higher education includes both exposure to the wide range of human knowledge and endeavors as well as exploration of at least one field of study. The foundation provided by the breadth of a Christian liberal arts education encourages the integration of diverse life experiences. The selection of a particular major allows students the opportunity to learn how to acquire new knowledge through indepth study and research.
5. The University's fulltime faculty and staff have a professed personal relationship with Jesus Christ. They have a faith orientation congruent with the mission of the University and live out their faith in service to the student, University, and global community.
6. Faculty who teach at Grand Canyon University continue their own professional growth through scholarly activity, frequently involving students in their endeavors.
7. The educational experience promotes consistent and personal evaluation that leads to maturity. Some of the most significant personal growth occurs through student interaction with faculty and staff who serve as mentors and role models for students.

ACCREDITATION

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

The Association of Collegiate Business Schools and Programs accredits the University for the Bachelor of Business Administration and Master of Business Administration degrees.

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

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

The University is a member of the Association of Southern Baptist Colleges and the Coalition of Christian Colleges and Universities.

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the University. (See pg. 33-34.)

HISTORICAL SKETCH

Grand Canyon College was born in the wake of World War II — the realization of a dream long held dear by the tiny congregations of Southern Baptists that called the Arizona mission frontier their home.

Determined to quench the post-war thirst for education with Living Water, as well as a strong draught of academics, the Baptist General Convention of Arizona in the fall of 1946 voted to organize a college. A few months later, the Convention selected the first trustees for the school, who soon secured an abandoned armory building in Prescott, Arizona as Grand Canyon's first campus.

The College was chartered on August 1, 1949, and set sail a few weeks later with 16 faculty and just over one hundred students, many of them veterans.

Two years later, the College moved to Phoenix, putting down roots and putting up its first permanent buildings on a 70-acre tract in East Phoenix. Grand Canyon was fully accredited by the North Central Association of Colleges and Schools in 1968.

The College was first considered primarily a school for preachers, but that reputation expanded rapidly. Grand Canyon early on became famous for its teacher education program, and soon developed outstanding programs in the sciences, nursing, business, music and the arts — while maintaining its excellence in Christian Studies.

During the planning for the change in institutional organization and status from "Grand Canyon College" to "Grand Canyon University," the institution identified several landmark events which had been and would be pivotal during this transition. Among these events, two stand out in retrospect as having been crucial:

- a) The formation of the Grand Canyon University Foundation which coordinated the fund-raising activities of the University; and
- b) The generous response of several individuals to the University's appeal for University Founders, donors who would pledge or give unrestricted gifts valued at one million dollars or more to launch the University into the next decade and century.

The Foundation was formed in 1983 and subsequently received several gifts of more than one million dollars which led to the following individuals being named as University Founders:

Drs. Jerry and Sarah Smithey
Dr. and Mrs. Gary and Donna Torhjem
Dr. Huddy Bell
Dr. Joni Hegel
Dr. C. J. Smith

In May of 1984, the College trustees voted to prepare for transi-

tion to university status on the school's 40th anniversary in 1989.

The following men have served as President of the College:

Willis J. Ray, 1949-50
Leroy Smith, 1950-52
B. O. Herring, 1952-54
Loyed R. Simmons, 1955-58
Eugene N. Patterson, 1959-65
Arthur K. Tyson, 1966-72
William R. Hintze, 1973-77
Bill R. Williams, 1978-present

GOVERNING BODY

The University, owned and operated by Arizona Southern Baptists, is governed by a board of trustees elected by the Arizona Southern Baptist Convention.

The name of Grand Canyon University shall not be used by any student or any employee of the University in connection with any commercial venture, without written approval of the President of the University.

FACULTY

Grand Canyon University, as a private Christian university, selects its instructional staff to fulfill its mission, emphasis being placed upon character, academic competence, teaching ability and willingness to support the institution's mission and programs. The University, under the direction of its Board of Trustees, makes decisions regarding retention and promotion of its faculty based on the areas described above and the faculty member's evident congruence with the philosophy and direction of the institution. Evidences of character include dynamic Christian living, active participation in and financial support of church affairs, maintenance of high standards of accomplishment for themselves and their students, and punctuality and dependability in meeting their responsibilities. Evidences of academic competence include the acquiring of advanced degrees, contributions in their fields of specialization, and professional habits of study and research. Teaching ability is determined by a process which includes student, peer, and administrative evaluations.

ALUMNI ASSOCIATION

The Alumni Association of Grand Canyon University 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 32 semester-hours in residence. Only graduates may hold elective offices.

UNIVERSITY CAMPUS

LOCATION

The University is located in the central northwest area of Phoenix, the capital city of Arizona. Phoenix is near the geographical center of the state and is a thriving industrial and agricultural city with a population of over 2.3 million in the metropolitan area. Located near places of interest such as the Grand Canyon, the Petrified Forest, Montezuma's Castle, Oak Creek Canyon, Walnut Canyon, and the Superstition Mountains, Phoenix is one of the notable winter resorts of America.

The campus has over 30 buildings on its 70 acres. The University is thankful to the following donors for their significant contributions:

- The Cooke Health Center
funds were raised by the Alumni Association

- Ethington Memorial Theatre
was given by Peter and Anna Ethington
- Fleming Classroom Building and Library
were funded by Mr. and Mrs. William Fleming
- Samaritan College of Nursing
was made possible by the Samaritan Foundation
- Tell Science Building
was funded by Mr. and Mrs. Andrew P. Tell

COMPUTER CENTER

The University provides academic and administrative computing support using a VAX 6000-410 computer manufactured by Digital Equipment Corporation. The computer supports both batch and time-sharing operation, using a variety of high-level languages.

Two microcomputer laboratories utilizing IBM-compatible 486 personal computers are available to students, with network access to dot matrix, laser, and color printers. MacIntosh computers are also available in a separate laboratory. Word processing, electronic spread sheets, graphics, and other useful software packages are provided.

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

FLEMING LIBRARY

The Fleming Library houses a collection of 166,000 volumes, over 700 periodicals, newspapers, microforms and audiovisual materials. Also included is a variety of government documents which the library receives as a designated depository library. Library holdings are expanded by CD-ROM databases, computerized database searches, and by Interlibrary Loan. The Library is a member of the OCLC Network.

Facilities include a computerized reference section, curriculum and juvenile collections and group study rooms. Microform reader printers, copy machines and audiovisual equipment are available for patron use.

The University's President and his staff are housed on the second floor of Fleming Library.

UNIVERSITY PUBLICATIONS

Class Bulletins are published for the Fall and Spring semesters and the Summer sessions.

Canyon HiWays is published by the University 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 University.

Student Handbook/University Calendar is published annually by the Office of Student Development. It makes available detailed information concerning rules and procedures for approved student activities, and a monthly calendar of campus events.

UNIVERSITY SEAL



When the Grand Canyon College seal was adopted in 1950, two of its major components were the cross and the cactus. The saguaro cactus rises from its desert setting to signify the intellectual opportunity for Grand Canyon students, counteracting the arid mental state of uneducated man. The cross stands prominently on the horizon as a guide for spiritual enlightenment. Between the outer circle representing the earth and the inner circle representing the wheel of progress, the name of the University and its location are inscribed.

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

UNIVERSITY LOGO



The University logo is comprised of two parts — a symbol and type. Drawing on the strongest point of identification in our name the symbol suggests canyon walls. Nestled in the canyon ravine is a symbolic flame, open to interpretation as the eternal flame of knowledge or a flame of spiritual significance.

The University logo is used for day-to-day operational identification.

Admission Policies and Procedures

GENERAL STATEMENT

Grand Canyon University welcomes applications from qualified students at least sixteen years of age with the potential to benefit from our educational programs and to contribute to the University community. Although the University seeks to integrate Christian faith and practice into all aspects of campus life, no statement of faith or religious affiliation is required of prospective students. Applications for admission are considered primarily in light of the applicant's academic and personal qualifications, without regard to sex, race, creed, age, physical handicap, national origin, or religious beliefs. Any qualified student willing to uphold the University's community standards and open to the possibility of spiritual as well as intellectual development is encouraged to apply.

For information and application forms, contact:

OFFICE OF ADMISSIONS
Grand Canyon University

MAILING ADDRESS:
P. O. Box 11097
Phoenix, AZ 85061-1097

STREET ADDRESS:
3300 West Camelback Road
Phoenix, AZ 85017-1097

TELEPHONE:
(602) 589-2855

or
1-800-800-9776, ext. 2855

OFFICE HOURS:

Monday - Thursday, 8:00 a.m. to 5:00 p.m. (MST)
Friday, 9:00 a.m. to 4:00 p.m. (MST)

Summer hours may vary.

Please call the Office of Admissions for times.

CAMPUS VISITS

Students interested in attending Grand Canyon University are strongly encouraged to visit our campus. Campus visits are arranged through the Office of Admissions, and can be tailored to suit your individual needs. Visits may include a campus tour, admissions counseling, appointments with faculty members, opportunities to sit in on classes or attend chapel services, and, with sufficient notice, an overnight stay in one of the residence halls. If possible, please contact the Office of Admissions at least one week in advance of the date you plan to be on campus, particularly if you wish to arrange an evening or weekend visit. Campus tours are conducted daily, Monday - Friday at 10:30 a.m. and 2:30 p.m. (MST).

ORIENTATION

Orientation programs for new students accepted for admission to the University are conducted immediately prior to the Fall and Spring semesters. In addition, a Parent's Orientation program is held at the beginning of the Fall semester each year. New students are strongly encouraged to participate in

New Student Orientation; detailed information regarding dates, times, and program is sent out by the Office of Student Development in advance.

UNDERGRADUATE ADMISSION

GENERAL INFORMATION

Grand Canyon University operates on a rolling admissions system. This means that applicants generally receive an admission decision within two weeks after all required documents are on file in the Office of Admissions. Applications are accepted according to the following schedule:

If you plan to enter ...	then apply ...
Fall semester	October 1 - August 1
Spring semester	August 1 - January 1
Summer session	August 1 - May 1

If you are in high school, you may apply for admission during the Fall semester of your senior year, after you have successfully completed six semesters of high school work. If you wish to transfer from another college or university, you should apply at the beginning of your final semester of attendance there. In any case, it is to your advantage to apply as early as possible. Your applications for financial aid and housing cannot be completely processed, and your transcripts will not be evaluated, until you have applied for admission.

Undergraduate students may seek admission to the University under the following categories:

- I. **Early Admissions Program:** exceptional students who wish to begin college courses while still in high school.
- II. **New Freshmen or Transfer:** students who wish to enter Grand Canyon University after completing high school or who plan to transfer from another college or university.
- III. **Unclassified:** non-degree-bound students planning to enroll in courses for personal enrichment or to meet other specific needs.

Application procedures and admission requirements for students in each category are outlined below. International students should refer to the section entitled "Admission of International Students" for specific policies and procedures which apply to them. Graduate students should refer to the

General Statement

Campus Visits

Orientation

Undergraduate Admissions

General Information

Application Procedures

Standards of Admission

Direct Transfer Plan

International Student Admission

General Information

Application Procedures

Post-Baccalaureate Admission

Readmission

Graduate Student Admission

Evaluation of Transfer Credit

Advanced Placement and College Level Examination Program

section entitled "Admission of Graduate Students" for specific policies and procedures which apply to them.

Important: Prospective students should be aware that **acceptance for admission to Grand Canyon University does not guarantee admission to particular programs within the University.** Please refer to the Catalog sections describing programs you are interested in to determine if there are specific entrance requirements for those programs in addition to the general University admission requirements.

APPLICATION PROCEDURES

I. Early Admissions Program

A high school student with an outstanding academic record may apply for early admission to Grand Canyon University with the permission of his or her high school principal or counselor. Such a student may begin taking courses at the University during the summer preceding the senior year. Credit earned in this way may later be applied toward a degree program at Grand Canyon University, provided the student graduates from high school, applies and is accepted for regular admission to the University, and has not used the courses to fulfill any high school graduation requirements.

In order to be considered for admission into the Early Admissions Program, you will need to complete the following:

1. A completed and signed Application for Admission.
All prospective students must complete and sign the Application for Admission. It is important that you provide all the information requested; incomplete applications will be returned.
2. A non-refundable application processing fee.
The processing fee should accompany your application.
3. A letter from the principal or counselor recommending entrance.
4. Official copy of your high school transcript mailed directly from your high school to the Office of Admissions.

In addition, to complete your admission file, after you have been accepted for admission, you must submit:

5. A Health History Form, accompanied by verification of current Measles, Mumps, Rubella (MMR) immunization. If you were born on or after January 1, 1957, you must present documented evidence of immunization against or immunity to measles and rubella before you will be allowed to register for classes. University policy requires either a doctor's statement, a blood titre showing immunity, or a copy of a health department card as proof of immunization. Measles information must include: two (2) measles or (MMRs) — at 15 months of age and one (1) after 1980. Immunization record forms are available from the Office of Admissions and the University Health Center. **Completed forms should be returned to the Office of Admissions at least two weeks before registration.**

A student's Health History and immunization records are official admissions documents, and must be received before a student is allowed to register. Please submit all Health History forms to the Office of Admissions. Permanent Health History forms will be placed on file at the Grand Canyon University Health Center.

II. New Freshmen and Transfer Students

In order to be considered for admission as a freshman or transfer student, you will need to complete the following:

1. A completed and signed Application for Admission.
All prospective students must complete and sign the Application for Admission. It is important that you provide all the information requested; incomplete applications will be returned.

2. A non-refundable application processing fee.
The processing fee should accompany your application.

3. Official transcript(s) and/or GED scores
You will need to request official transcripts from your high school as well as any colleges or universities you have attended; **applicants are not permitted to disregard their records of enrollment at other institutions.** These records must be mailed directly from the issuing school to our Office of Admissions. Transcripts mailed or hand-carried by applicants are unacceptable unless they are delivered in a sealed envelope from the issuing institution.

If you did not graduate from high school but have passed the Test of General Educational Development (GED), you will need to submit your GED scores as well as an official transcript of any high school work you completed. GED applicants must be at least 19 years of age and show evidence of maturity and readiness for college-level work.

Although applicants may be preliminarily accepted for admission on the basis of incomplete records, final records are required in order to complete the admission file. If you are accepted as a high school student, you will need to submit a final transcript showing your graduation date and numerical rank in class. Likewise, if you are accepted as a transfer student but are currently enrolled at another institution, you will need to submit a final transcript after you have finished your courses there.

If you have completed at least 24 semester hours of acceptable credit from a regionally accredited college or university, you do not need to submit your high school transcripts or GED scores. (See the section entitled "Evaluation of Transfer Credit" for the definition of acceptable credit.) However, **if you plan to participate in varsity athletics, you must submit your high school transcript or GED scores regardless of the number of hours of credit you have completed.**

4. American College Test (ACT) or Scholastic Aptitude Test (SAT) scores.

Test scores may be submitted to the Office of Admissions from either the ACT/SAT testing organization or with your official high school transcript. These examinations are offered on a regular basis throughout the country and in several locations overseas, and should be taken as early as possible during or after the junior year in high school. Information, test dates, and additional score report request forms are available from your high school counselor or the Office of Admissions. Grand Canyon University's ACT code is 0092; our SAT code is 4331.

In addition, to complete your admission file, after you have been accepted for admission you must submit:

5. A Health History Form, accompanied by verification of current Measles, Mumps, Rubella (MMR) immunization. If you were born on or after January 1, 1957, you must present documented evidence of immunization against or immunity to measles and rubella before you will be allowed to register for classes. University policy requires either a doctor's statement, a blood titre showing immunity, or

a copy of a health department card as proof of immunization. Measles information must include: two (2) measles or (MMRs) — at 15 months of age and one (1) after 1980. Immunization record forms are available from the Office of Admissions and the University Health Center. **Completed forms should be returned to the Office of Admissions at least two weeks before registration.**

A student's Health History and immunization records are official admissions documents, and must be received before a student is allowed to register. Please submit all Health History forms to the Office of Admissions. Permanent Health History forms will be placed on file at the Grand Canyon University Health Center.

6. Enrollment Deposit.

A \$100 tuition deposit is required of all new students upon written notice of their acceptance and is non-refundable after July 1. This deposit must be remitted to the Office of Admissions within 30 days after receipt of your acceptance letter and will be credited toward your first semester's tuition. Upon receipt of the enrollment deposit, you will be eligible for pre-registration opportunities and your enrollment status will be reported to the relevant University departments to facilitate planning for housing, orientation and class scheduling.

7. Writing Proficiency Examination. Students are required to take the Writing Proficiency Examination (WPE) before they are allowed to register for classes. This includes undergraduate students who have taken freshman English elsewhere.

Examinees write short essays based on general subject matter, as well as take an objective examination on grammar. Members of the English faculty read the essays and make a final decision as to the student's competency in writing. The placement of a student in a required English course is based upon his or her score on the WPE.

Test dates are available through the Office of Admissions or the Office of the Vice President for Academic Affairs.

III. Unclassified Students

Unclassified or non-degree bound students who plan to enroll part-time at Grand Canyon University may accumulate a total of 11 hours credit; at that point, all records required for regular admission to the University must be submitted.

In order to be considered for admission as an Unclassified Student, you must submit:

1. A completed and signed Application for Admission
All prospective students must complete and sign the Application for Admission. It is important that you provide all the information requested; incomplete applications will be returned.
2. A non-refundable application processing fee
The processing fee should accompany your application.

In addition, to complete your admission file, after you have been accepted for admission you must submit:

3. A Health History Form, accompanied by verification of current Measles, Mumps, Rubella (MMR) immunization. If you were born on or after January 1, 1957, you must present documented evidence of immunization against or immunity to measles and rubella before you will be allowed to register for classes. University policy requires either

a doctor's statement, a blood titre showing immunity, or a copy of a health department card as proof of immunization. Measles information must include: two (2) measles or (MMRs) — at 15 months of age and one (1) after 1980. Immunization record forms are available from the Office of Admissions and the University Health Center. **Completed forms should be returned to the Office of Admissions at least two weeks before registration.**

A student's Health History and immunization records are official admissions documents, and must be received before a student is allowed to register. Please submit all Health History forms to the Office of Admissions. Permanent Health History forms will be placed on file at the Grand Canyon University Health Center.

STANDARDS OF ADMISSION

First Year Entering Freshman

A graduating high school student has the opportunity to be accepted to Grand Canyon University under one of the two following classifications:

Admission with Distinction
Admission with Specification

1. Admission with Distinction

Under this classification, a high school student may be accepted for admission by meeting one of the four criteria stated below:

- Rank in the top quarter (25%) of his or her graduating class or
- Have a grade point average for all academic subjects of at least a 3.00 or
- Score a composite of 22 on the ACT or
- Score a composite of 1050 on the SAT

IN ADDITION, it is necessary that the student satisfactorily complete basic competency requirements. These requirements are:

English	4 years
Mathematics	3 years
Lab science	2 years
Social science	2 years

The requirements may be met by combinations of high school courses, college courses, and test scores. A minimum grade point average of 3.00 must be earned in each of the four following competency areas:

English:

1. Four years of high school English (composition/literature-based) or
2. Minimum test score of 21 on ACT English or 530 on SAT Verbal or
3. Three semester-hour transferable college English composition course

English Placement:

All new students are required to take the Writing Proficiency Examination for appropriate level placement.

Mathematics:

1. Three years of high school mathematics courses: two years of algebra, one year of a math course that requires algebra as a prerequisite or
2. Minimum test score of 20 on ACT Math or 520 on SAT Math or
3. Two three-semester-hour college pre-algebra courses or one transferable three-semester-hour college algebra course

Laboratory Science:

1. Two years high school laboratory science; one year each from two of the following: biology, chemistry, earth science, or physics or
2. One year high school laboratory science (biology, chemistry, earth science or physics) plus minimum test score on one of the following: ATP Chemistry Achievement - 600, ATP Biology Achievement - 540, ATP Physics Achievement - 620, ACT Science - 20 or
3. Two transferable four-semester-hour college laboratory science courses.

Social Science

The student must meet one requirement from Section A and one requirement from Section B.

Section A

1. One year high school American history or
2. Minimum test score of 560 on ATP American History/Social Studies Achievement or
3. One transferable three-semester-hour college American history course.

Section B

1. One year high school social science (European history, world history, sociology, geography, government, psychology, or anthropology) or
2. Minimum score of 580 on one of the following: ATP World History/European History Achievement or
3. One transferable three-semester-hour college social science course.

Admission may be granted with one deficiency in no more than two competency areas.

2. Admission with Specification

If a student does not meet the qualifications for Admission with Distinction, he or she may be accepted to the University under Admission with Specification.

Acceptance under this plan will be accompanied by an individualized program of study to increase the student's potential for success at Grand Canyon University. For example, Admission with Specification may require a student to limit the first semester's coursework to 12 credit hours, meet regularly with an advisor, or take courses designed to develop competency in areas needed for improvement.

A student being considered for Admission with Specification may be asked to submit personal references, an essay, a letter explaining academic history, schedule an interview with an Admissions Counselor, or submit additional information as needed to help the University make an informed admission decision.

After the student has completed one semester full-time at Grand Canyon University, the academic records will be reviewed. If the student has earned at least 12 hours and achieved a grade point average of 2.00 or better, the specification will be removed. If not, the student will have one more semester with specification to demonstrate his or her ability to be successful in the academic program.

Transfer Students

Transfer students with at least 24 semester hours of transferable credit in academic subjects must have a cumulative grade point average of at least 2.00 on a 4.00 scale to be admitted to the University.

Students with less than 24 hours are subject to the same requirements as listed for freshman applicants, and must submit an official high school transcript in addition to official transcripts from colleges and/or universities attended.

The Colleges of Business, Communication and Fine Arts, Education, and Nursing require a higher grade point average for admission to their particular programs. A student desiring to be admitted into these colleges should review the appropriate College section of the catalog for further details.

Those transfer students whose cumulative grade point average falls below a 2.00 on a 4.00 scale may be requested to submit personal references, an essay, a letter explaining their academic history, or schedule an interview with an Admissions Counselor in order to help the University make an informed admissions decision.

Students who have been asked to withdraw from another college due to poor scholarship or any other reason are considered for acceptance only if the period of suspension set by the former school has elapsed or the college from which the student was asked to withdraw reinstates him or her.

DIRECT TRANSFER PLAN

Students who complete a transfer-oriented Associate of Arts degree at a regionally accredited community college are considered to have fulfilled the University's general studies requirements, with the exception of the six hours of Bible. The Associate degree must include at least six hours of college-level composition, and students entering under the direct transfer plan must take and pass the University Writing Proficiency Exam.

Exceptions to the Direct Transfer Plan are as follows:

Education — students planning to seek teacher certification must fulfill the general studies requirements listed under the College Education section of this Catalog.

Business — students planning to complete a degree program in the College of Business must complete the specified general studies listed in the College of Business section of this Catalog.

Nursing — the Associate of Arts (Applied Science) in Nursing will be accepted under the Direct Transfer Plan if the student pursues a degree in nursing.

Only the Associate of Arts programs specifically designed to prepare students for transfer to a four-year college or university are acceptable for the Direct Transfer Plan. An Associate of Arts in Applied Sciences, General Studies, a specialized field, or any other "terminal" program (with the exception of the Associate degree in nursing) is not acceptable.

INTERNATIONAL STUDENT ADMISSION

GENERAL INFORMATION

An international student is defined as any student attending Grand Canyon University on a student visa issued by the United States government. In cooperation with the National Association of Foreign Student Advisors (NAFSA), an international student advisor has been designated at Grand Canyon University. Requests for information or application forms should be addressed to:

International Student Advisor
Office of Admissions
Grand Canyon University
3300 West Camelback Road
Post Office Box 11097
Phoenix, Arizona, U.S.A. 85061-1097

International students attending the University on student visas

are required to be enrolled in at least twelve (12) hours per semester in undergraduate programs or the University's EASE program. International students pursuing master's degrees must be enrolled in at least nine (9) hours per semester. All international students must have health insurance; a moderately-priced student policy is available through the University Business Office. You will be required to purchase the University policy when you register for classes, unless you have proof of valid insurance coverage in the United States.

Application for campus housing is a separate procedure from admissions. If you plan to live on campus, please contact:

Director of Housing
Grand Canyon University
3300 West Camelback Road
Post Office Box 11097
Phoenix, Arizona, U.S.A. 85061-1097

International students may seek admission to the University under the following categories:

- I. **Pursuit of Degree:** students desiring to pursue a bachelor's or master's degree who meet the minimum qualifications for entrance into the University, including a minimum TOEFL score of 500.
- II. **EASE Program:** students desiring to study in the United States who have not attained a TOEFL score of at least 500 required for most undergraduate programs, or higher for respective undergraduate and graduate programs in the College of Business and the College of Education; or, students choosing to attend the University for language training.

Application procedures and admission requirements for students in each category are outlined below.

APPLICATION PROCEDURES

I. Pursuit of Degree

In order to be considered for admission, international students must submit the following to the Office of Admissions:

1. **Application for Admission** — A completed and signed International Student Application for Admission must be submitted to the Office of Admissions. **Application deadlines are:**

Fall semester (August) entry - July 15

Spring semester (January) entry — November 15.

It is to your advantage to complete the admission process well in advance of the deadline.

2. Transcripts

- a. **Secondary School** - You must have completed a secondary school program which is equivalent to the twelfth (12th) grade (high school) in the United States. In order to insure your success in academic classes at Grand Canyon University, you should have graduated in the upper 50% of your class. An official transcript of your secondary school work, **written in English**, must be sent directly from the school to the Office of Admissions. Hand-carried copies of your transcript are **not** acceptable. If you have finished at least 24 semester hours of college-level work at a U. S. school and have a grade point average of at least 2.00 (C) on a 4.00 scale, you do not need to submit your secondary school transcript. In some cases, you may be asked to send your secondary school transcripts to an approved evaluation service; you will be notified by the Office of Admissions if this is necessary.

- b. **College and/or University** - An official transcript of your college or university work, **written in English**, must be sent directly from the college or university to the Office of Admissions. Hand-carried copies of your transcript are **not** acceptable.

In order to accurately and consistently evaluate foreign credentials, Grand Canyon University **requires** all international college or university transcripts to be evaluated by an approved evaluation service selected by the University. Obtaining an evaluation is an additional step to the awarding of college or university credit from foreign transcripts. Students must also bear the cost of the evaluation fee; however, it is negligible when compared to the total expense of obtaining a degree. Brochures describing in detail the approved evaluation services and the fees incurred are available in the Office of Admissions, the Office of Academic Records, and are included in the International Student Application for Admission.

The evaluation report is advisory in nature and in no way limits Grand Canyon University from making its own decisions. Grand Canyon University **will not** award any transfer credit without an evaluation of foreign credentials from an approved evaluation service. Grand Canyon requires that all international college or university transcripts be evaluated within the student's first semester in attendance.

3. **TOEFL score report** — If your native language is other than English, your official score report for the Test of English as a Foreign Language (TOEFL) must be sent directly to the Office of Admissions from the testing center. You must present a TOEFL score of at least 500 to be considered for admission as an undergraduate. In order to be considered for admission into the College of Education to seek teacher certification as an undergraduate, you must present a TOEFL score of at least 550. In order to be considered for admission into the College of Education graduate program, you must present a TOEFL score of at least 550. To be considered for admission into the Teaching English as a Second Language (TESL) graduate program, you must present a TOEFL score of at least 575. In order to be considered for admission into the College of Business undergraduate programs, you must present a TOEFL score of at least 550. In order to be considered for admission into the College of Business graduate program, you must present a TOEFL score of at least 575. In order to be considered for admission into the Samaritan College of Nursing, you must present a TOEFL score of at least 550. This requirement cannot be satisfied through experience in English programs at other schools. For information on TOEFL testing dates and location in any country, write to:

TOEFL

Box 899

Princeton, New Jersey, U.S.A. 08540

4. **References** — At least two personal references are required before you can be considered for admission. You should select two people not related to you who are qualified to evaluate your academic potential and character. At least one should be a teacher or official of your school. Instruct them to mail their references directly to the Office of Admissions.

After all the above documents are received by the Office of Admissions, your application will be reviewed and you will be notified of your status.

If you are accepted for admission to Grand Canyon University, you will need to submit the following to the Office of Admissions before your Certificate of Eligibility (I-20) can be issued.

5. **Financial Guarantee** — Most international students at Grand Canyon University receive no financial assistance from the University. Therefore, international applicants must furnish evidence of full financial support while in the U.S. The cost of attending the University and living in Phoenix is currently estimated at \$14,500.00 (U.S.) per year, or \$12,500.00 if you go home for the summer. You must submit documentary evidence that you have sufficient funds to meet these expenses. A Financial Guarantee form, completed and signed by an officer of a known bank, must be submitted to the Office of Admissions.

6. **Health History Form** — You must submit a completed Health History form, including your immunization history and proof of your immunization dates.

Students are not permitted to register until their Health History form has been received by the Office of Admissions and placed on file at the Grand Canyon University Health Center.

7. **Deposit** — As a final confirmation of your intent to attend Grand Canyon University, you are required to make a \$5,000.00 deposit which will be applied to your first semester's expenses. The deposit may be paid by check or money order, or you may telex the funds; the University's international bank number is BANKONE 2708-1541. If for any reason you are unable to attend Grand Canyon, your deposit will be refunded upon request and the return of your I-20, if one was issued.

When all of the above items (1-7) have been received, the Office of Admissions will issue your I-20.

II. EASE Program:

Grand Canyon University offers an innovative program designed for students desiring to study in the United States but who have not attained a TOEFL score of at least 500. The program, designed to assist students with cultural adjustment and skills other than English which are necessary for success in the university environment, is called Learning with EASE (English Adjustment Skills and Experience). Students who meet the score of 500 on the TOEFL but do not meet University academic requirements may also be accepted into the EASE Program.

At the end of each semester, students will be evaluated in English proficiency and a determination will be made on their readiness to enroll in courses for academic credit. Some students are allowed to simultaneously enroll in EASE and academic courses.

To apply, a student should complete steps #1 - #7 above under "Pursuit of Degree." Designate that you wish to enroll in the EASE program on the Application for Admission.

For more information contact:

The Center for International Education
Grand Canyon University
3300 West Camelback Road
Post Office Box 11097
Phoenix, Arizona 85061-1097, U.S.A.
Phone: 602 - 589-2808
FAX: 602 - 841-8771

NOTE: Acceptance into the EASE Program does not guarantee acceptance into a degree program.

POST-BACCALAUREATE ADMISSION

SECOND DEGREE STUDENTS

Students wishing to obtain a second Bachelor's degree from Grand Canyon University must submit the following to be considered for admission:

1. A completed and signed Application for Admission
All prospective students must complete and sign the Application for Admission. It is important that you provide all the information requested; incomplete applications will be returned.
2. A non-refundable application processing fee
The processing fee should accompany your application, unless you have previously applied to the University and paid the fee.
3. An official transcript from the college or university where the student's first degree was earned, with the degree statement and graduation date recorded.
Official transcripts from any colleges or universities attended, in addition to the school from which the Bachelor's degree was received, should also be submitted if you are wishing to utilize those credits to fulfill prerequisites for your second degree at Grand Canyon University.

In addition, to complete your admission file, after you have been accepted for admission you must submit:

4. A Health History Form, accompanied by verification of current Measles, Mumps, Rubella (MMR) immunization. If you were born on or after January 1, 1957, you must present documented evidence of immunization against or immunity to measles and rubella before you will be allowed to register for classes. University policy requires either a doctor's statement, a blood titre showing immunity, or a copy of a health department card as proof of immunization. Measles information must include: two (2) measles or (MMRs) — at 15 months of age and one (1) after 1980. Immunization record forms are available from the Office of Admissions and the University Health Center. Completed forms should be returned to the Office of Admissions at least two weeks before registration.

A student's Health History and immunization records are official admissions documents, and must be received before a student is allowed to register. Please submit all Health History forms to the Office of Admissions. Permanent Health History forms will be placed on file at the Grand Canyon University Health Center.

Please refer to the catalog section entitled "Graduation Requirements" for more information regarding second degree requirements.

FIFTH-YEAR STUDENTS

Prospective students who have earned a Bachelor's degree from a regionally accredited institution and desire to work toward teacher certification through the Grand Canyon University College of Education must submit all documents required of Second Degree Students (see above). Official transcripts from any colleges or universities attended in addition to the school from which the Bachelor's degree was received should also be submitted.

For further information regarding teacher certification and the Fifth-Year program, please refer to the "College of Education" section of the catalog.

READMISSION

A student who has not maintained continuous attendance (except for Summer terms) at Grand Canyon University is required to apply for readmission on a form provided by the Office of Admissions. Official transcripts of all work attempted at other institutions since leaving the University must be on file in the Office of Admissions before readmission can be approved.

Those students who plan to apply for readmission, and whose cumulative grade point average falls below a 2.00 may enter the University under Admission with Specification, and may be requested to submit supporting documents and references to clarify their academic goals.

A student who has been out of the University for any reason for a period of one year or longer and plans to live on campus must submit an updated Health History form. Students who withdrew for medical reasons must obtain a doctor's clearance before re-entering.

See the "Graduation Requirements" section of the Catalog for information pertaining to choice of catalog.

GRADUATE STUDENT ADMISSION

COLLEGE OF EDUCATION — Students wishing to apply for admission to the Master of Arts in Education (M.A.) or the Master of Education (M.Ed.) programs may obtain a packet containing all necessary information and application forms from:

College of Education
Grand Canyon University
3300 West Camelback Road
Post Office Box 11097
Phoenix, Arizona 85061-1097

In order to be considered for admission to the M.Ed. program the following must be completed:

1. **Applications for Admission** — Application must be made for admission both to the University's Office of Admissions (with the non-refundable application fee) and to the graduate program. The Graduate Program application should be submitted to the College of Education.
2. **Transcripts** — Two sets of official transcripts from each post-secondary institution attended must be submitted, one set to the Office of Admissions and one to the College of Education. To be considered for admission, a student's cumulative GPA for all college work must be at least a 2.50 on a 4.00 scale. Transcripts must be sent directly from the school where credit was earned to the appropriate office at Grand Canyon University; unofficial transcripts or hand-carried copies (except those in sealed envelopes) are unacceptable.
3. **References** — Three completed recommendation forms must be sent directly to the College of Education by the individuals making the recommendations.
4. **Basic Skills portion of the Arizona Teacher Proficiency Exam (ATPE)** — Applicants must submit a score card showing satisfactory performance on the ATPE (80% or better in reading, mathematics, and grammar) to the College of Education. Applications for the ATPE are available from the College of Education.
5. **Grand Canyon University Writing Proficiency Exam (WPE)** — Information on the WPE is available from the Office of Admissions. A passing score is required for admission to the M.Ed. program.
6. **Interview** — As soon as all the above steps have been completed, applicants should schedule a personal interview with the Associate Dean for Graduate Studies in the College of Education

and/or the Graduate Committee.

In order to be considered for the M.A. Program, you must complete the following:

1. **Applications for Admissions** — see M.Ed.
2. **Transcripts** — see M.Ed. In order to be considered for admission to the M.A. program, a student's cumulative GPA for all college work must be at least 2.80 on a 4.00 scale.
3. **Recommendation from School Personnel** — Applicants must submit their most recent teacher evaluation from the school district administrator (This serves as one of the three required recommendations.)
4. **References** — Two additional recommendation forms, which are included in the packet from the College of Education, must be completed by and sent directly from the individual making the recommendation to the College of Education.
5. **Miller Analogy Test or Graduate Record Examination** — Scores for one of these examinations must be submitted to the College of Education. This requirement is waived for applicants with an undergraduate GPA of 3.00 or higher.
6. **Interview** — see M.Ed.

When the above process is complete, applicants will be notified by the College of Education concerning their status.

For graduate programs offered by the College of Education not related to teacher certification, refer to page 103-106.

COLLEGE OF BUSINESS — Students wishing to apply for admission to the Master of Business Administration (M.B.A.) program may obtain all necessary information and application forms from:

College of Business
Director, MBA Program
Grand Canyon University
3300 West Camelback Road
Post Office Box 11097
Phoenix, Arizona 85061-1097

In order to be considered for admission to the M.B.A. program, the following must be completed:

1. **Application for Admission** — Applicants must submit a completed M.B.A. application to the Director, MBA Program along with the non-refundable application fee.
2. **Transcripts** — Official transcripts of ALL post-secondary work must be mailed directly to the Director, MBA Program. An official transcript must be mailed directly from the institution or may be hand-delivered if received in a sealed envelope. The baccalaureate degree must be earned from a regionally accredited college or university.
3. **Graduate Management Admission Test (GMAT)** — All applicants must take the GMAT. Applications for this test may be obtained by writing:
Graduate Management Admission Test
Educational Testing Service
Princeton, NJ 08541-6108

An official score report must be submitted to the Director, MBA Program.

4. **Interview** — As soon as the above steps have been completed, telephone or write to the Director, MBA Program, College of Business, (602) 589-2867 and make an appointment for an interview.

You will be notified by letter as to the decision of the College of Business concerning your application. Admission is based on a sliding scale of grade point average (GPA) and Graduate Management

Admission Test (GMAT) scores. In addition to GPA and GMAT scores, the applicant's professional experiences and personal interview with the Director, MBA Program, or his designee, will be considered in the admission process. The College of Business reserves the right to identify deficiencies and suggest courses for remediation of the deficiencies.

EVALUATION OF TRANSFER CREDIT

All transfer students accepted to Grand Canyon University will receive an official transfer credit evaluation from the Office of Academic Records showing how the courses they completed at each previous school will transfer. Evaluations will include the total number of credits accepted, as well as a course-by-course breakdown indicating how each class may be applied toward the University's graduation requirements. Courses may be accepted as upper or lower division general electives, upper or lower division departmental electives, or as directly equivalent to a particular course offered at the University.

If the Office of Academic Records is unable to determine specific applicability for an acceptable course, general elective credit will be granted. It is then the student's responsibility to provide additional documentation if he or she wishes to receive specific credit for the course. If a student disagrees with the way credit was awarded on the evaluation, he or she may appeal to the faculty of the department or college in which credit is desired. The evaluation may be adjusted upon receipt of written instructions signed by the department chairperson (and Dean, if applicable).

The following guidelines are used in determining acceptability of courses:

- The University generally accepts courses from **regionally accredited** colleges and universities provided the work is not of a highly specialized nature and that a grade of "C" or better was earned. *Transfer Credit Practices of Designated Educational Institutions*, published by the American Association of Collegiate Registrars and Admissions Officers, is used as a general guide in determining acceptability. Courses in which "D" grades were earned may be used in some cases to meet general studies requirements, or as a prerequisite for another course with the approval of the instructor concerned. However, no course with a grade below "C" will count toward the required number of hours for graduation.
- The University will recognize a maximum of 64 hours credit from regionally accredited community or junior colleges. Credit will be granted only for courses with grades of "C" or better, and all credit will be considered lower division. See the section entitled "Direct Transfer Plan" for additional information regarding the acceptability of Associate degrees earned at community colleges.
- Credit earned at colleges and universities which are not regionally accredited will not be accepted.
- *A Guide to the Evaluation of Educational Experiences in the Armed Services* is used as a resource in evaluating credit earned while serving in the armed forces. Four hours of physical education credit will be awarded upon submission of the DD-214. Other credit will be granted only for work in liberal arts areas. No technical credit will be accepted, and all work will be considered lower division. Credit will not be awarded if the student had earned 64 or more college credits prior to completion of the military training program.
- A maximum of 16 hours technical credit earned at a regionally accredited college or university will be accepted as general elective credit toward graduation.
- The University does not recognize credit awarded by other

institutions of higher education for "life experience." In addition, the University will not grant credit for independent studies, orientation programs, cooperative work study, or similar courses taken at other schools.

- The University reserves the right to require students to validate certain credits by testing, if necessary.
- The University will accept a combined total of no more than 64 hours of community college credit, technical credit, military service credit, and/or credit by examination.

To request an exception to any of the above policies, students must appeal to the Academic Affairs Committee. Petitions are available from the Office of Academic Records.

The University's College of Continuing Studies offers some programs whose policies vary from those listed above. Please contact that College for details.

ADVANCED PLACEMENT (AP) AND COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Many students who come to Grand Canyon University have achieved college-level mastery of certain subjects through advanced high school programs or by other means not generally recognized for college credit. For this reason, the University actively participates in the Advanced Placement (AP) and College Level Examination Program (CLEP) of the College Entrance Examination Board. Upon receipt of official score reports for these examinations, up to thirty semester hours of college credit may be awarded as indicated by the following tables.

Certain restrictions apply to these programs. Students are limited to a combined total of thirty semester hours for credit by examination, extension, and correspondence, including not more than twelve hours by correspondence. CLEP and AP credit will only be given when it does not duplicate credit previously earned and is not for a course more elementary than one for which the student has earned college credit. CLEP credit will be given only for examinations completed after July, 1965. The University does not recognize credit earned by testing after a student has completed sixty-four or more hours of college-level work.

Transfer students who received credit by examination at a previous college must submit an official score report to the Grand Canyon University Office of Admissions for evaluation. **AP and CLEP credit does not automatically transfer from one school to another.**

All policies listed below were up to date when this catalog was printed, but are subject to re-evaluation and change without notice.

Additional AP and CLEP examinations are currently being evaluated. If you wish to pursue AP or CLEP credit in an area not listed below, please contact the Office of Academic Records for score requirements and credit evaluations.

ADVANCED PLACEMENT (AP)

Exam	Score	Credit Hours
Biology	5	8 (BIO 181/182)
	4	4 (BIO 181)
	3	4 (BIO 100)
	1-2	None
Chemistry	4-5	8 (CHM 113/115)
	3 + dept. conference	4 (CHM 113)
	1-2	None

Exam	Score	Credit Hours
Computer Science AB	4-5 3 1-2	6 (CSC 100/101) 3 (CSC 100) None
Computer Science A	4-5 1-3	3 (CSC 100) None
English Language, Literature/Composition	4-5 3 + pass Writing Exam	6 (ENG 101/102) 0 (ENG 101/102 waived; but must complete six hours of English electives) None
French, German or Spanish Language	4-5 + dept. conference 3 + dept. conference 1-2	12-16 (FRE/GER/SPA 101/102/201/202) Possible lower div. SPA credit None
Government and Politics - U. S.	5 1-4	3 (POS 252) None
History - European	5 4 1-3	6 (HIS 101/102) 3 (HIS elective) None
History - United States	5 4 1-3	6 (HIS 103/104) 3 (HIS elective) None
Mathematics - Calculus AB	4-5 3 1-2	8 (MAT 270/271) 4 (MAT 210) None
Mathematics - Calculus BC	4-5 3 + dept. conference 1-2	12 (MAT 270/271/272) 4-8 (possible lower div. MAT credit) None
Physics B	4-5 3 1-2	8 (PHY 111/112) 4 (PHY 111) None

American History II	50+	3	HIS 104
American Literature	50+	3	ENG Elective
Analysis and Interpretation of Literature	50+	3	ENG elective
Calculus w/ Elementary Functions	60+	4	MAT 210
College Algebra	50+	3	MAT elective
College Algebra and Trigonometry	50+	3	MAT elective
College Composition	50+	3	ENG elective
College French	42-51 52-80	8 16	FRE 101/102 FRE 101/102/201/202
College German	42-51 52-80	8 16	GER 101/102 GER 101/102/201/202
College Spanish	42-51 52-80	8 16	SPA 101/102 SPA 101/102/201/202
English Literature	50+	3	ENG elective
General Biology	50+	8	BIO 181/182
General Chemistry	50+	8	CHM 113/115
Human Growth and Development	50+	3	PSY 341 (Lower Division)
Introduction to Educational Psychology	—	0	None
Introductory Accounting	50+	6	ACC 211/212
Introductory Business Law	50+	3	BUS elective
Introductory Marketing	—	0	None
Introductory Psychology	50+	3	PSY 101
Introductory Sociology	50+	3	SOC 101
Principles of Macroeconomics	60+	3	ECN 201
Principles of Management	—	0	None
Principles of Microeconomics	60+	3	ECN 202
Trigonometry	50+	2	MAT elective
Western Civilization I	50+	3	HIS 321 (Lower Division)
Western Civilization II	50+	3	HIS 102

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

General Examination	Score	Credit Hrs.	Equivalency
English Composition (1978 scale)	610	6	ENG 101/102
English Composition (1986 scale)	500	6	ENG 101/102
Humanities	500	6	Humanities elective
Mathematics	500	6	MAT elective
Natural Sciences	500	6	Science elective
Social Science and History	500	6	Social Science elective

Subject Examination	Score	Credit Hrs.	Equivalency
American Government	50+	2	POS 252
American History I	50+	3	HIS 103

Financial Information

Preface **PREFACE**

Student Expenses The financial information presented in this catalog was current when published. Many of the policies, interest rates, limitations, etc. are set by organizations (private or governmental) which may change them before this catalog is revised. We regret any confusion this may cause and strongly urge students to confirm all such information with the University Office of Financial Aid and/or Business Office before making financial decisions or commitments.

Special Class Fees

STUDENT EXPENSES

Student Insurance The regular school year is composed of a Fall semester and a Spring semester. Summer is composed of several sessions typically between three and six weeks in length.

Refund Policies

Financial Aid

Student Responsibilities

Student Rights

Scholarships

Endowed Scholarships

Grants From Private Businesses, Foundations, and Organizations

Grants-In-Aid

Grants

Student Loans

Student Employment

Placement Services

Approvals

The expenses of the student are due and payable at the beginning of each semester and must be paid with the University Business Office before the student's registration is official. The University allows for payment of expenses on a deferred payment plan through an outside billing agency. Terms and additional information are available in the University Business Office. Failure to comply with the stated policies of the University Business Office could result in an administrative withdrawal from classes. This includes: incomplete registration, failure to meet payment arrangements, and other policies stated in the catalog. If the student is intending to rely on financial aid for payment on their account, then application for financial aid must be made at least two months in advance of need. The University will honor VISA, MasterCard, Discover Card and American Express charges.

Students may not receive transcripts, or participate in commencement until all accounts are clear in the University Business Office.

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

VALI-DINE

The University uses a debit-card system known as Vali-dine to enable students to purchase meals, textbooks, and other items without carrying cash or coupons with them at all times. The card serves as the student identification card and contains the student's photo to deter unauthorized use. The University Business Office encodes a dollar amount on each student's card based on what the student requests or is required to have. Residence hall students, for instance, are required to purchase one of two meals plan options which allows the University to fulfill its obligation to provide adequate and balanced nutrition to residents lacking cooking facilities. Other students may request that their Vali-dine card be credited with a certain amount (known as 'Lopes Cash') to enable them to conveniently purchase food and beverages on campus.

All students may elect to have a certain amount charged

to their Vali-dine cards to cover University Bookstore purchases.

Whether required or requested, the amount is charged to the student's account at the University Business Office and must be paid for under the same guidelines as tuition, fees, or housing (i.e. financial aid, cash, check, credit card, or through outside billing agency). That amount is then reflected as a credit on the Vali-dine card. When the student purchases a meal or a textbook, etc., the cost of the item is deducted from the balance available on the card. If the balance reaches zero, the card is invalid and the student must return to the University Business Office and replenish the account.

VALI-DINE POLICIES

Any Vali-dine Board Plan meal credits need to be used within the time policy above as there are **no meal refunds permitted**. Vali-dine board plans are valid only during the semester in which they were purchased.

Students may purchase 'Lopes Cash in the University Business Office for use in the snack bar or cafeteria. 'Lopes Cash is offered at a 10% discount (i.e. \$25 worth of 'Lopes Cash will only cost you \$22.50).

Vali-dine bookstore credit will be carried from one semester to the next. Any unused Vali-dine bookstore credit may be credited to the student's account prior to May 31st of the academic year.

ROOM AND BOARD

A student living in the residence halls is charged room and board at the time of registration. The residence halls and cafeteria are closed during Thanksgiving, and Christmas holidays, Spring Break, between the close of Spring semester and the opening of the first Summer term, and between the end of the last Summer term and the opening of the Fall semester.

Individual meals may be purchased for cash at moderate cost at the cafeteria or snack bar by commuting students, apartment residents, faculty, staff and guests.

TUITION, FEES, AND HOUSING

Tuition and fee information may be found in the current semester/session *Bulletin*.

Current housing fee information may be obtained from the Director of Housing.

SPECIAL CLASS FEES

Certain University classes require payment of fees or deposits for materials, breakage and/or rental. Refer to the current semester/session *Bulletin* for class fees.

STUDENT INSURANCE

A group plan for accident and health insurance for Grand Canyon University students is available. It provides for payment of medical and hospital charges according to a schedule which is furnished to each student planning to attend Grand Canyon. All international students are required to have health and accident insurance coverage through Grand Canyon University's International Student Insurance Plan and their student accounts will automatically be charged each semester for the premium.

All students living on campus (residence halls and apartments) are required to carry accident/health insurance. The Grand Canyon University student accident health coverage is automatically charged to the student's account each semester unless a Student Insurance Waiver Form is signed verifying proof of individual insurance before the deadline posted in the Business Office. This form is available through the Housing Office or the University Business Office. Commuter students are encouraged to carry accident/health insurance. A short term policy will be available upon request. More information is available through the Head Cashier in the Business Office. *Dental insurance available upon request.*

Fall semester coverage becomes effective at 12:01 a.m. on August 15, or as soon thereafter as application for it is received, and will terminate at 12:01 a.m., January 1. Spring semester coverage becomes effective at 12:01 a.m. on January 1, or as soon thereafter as application is received and will terminate at 12:01 a.m. on August 15. Protection is in effect 24 hours a day and during all vacation periods. Student accident/health insurance must be purchased at the beginning of each semester.

Coverage for additional family members may be purchased at the University Business Office.

The University cannot cancel student accident/health or international insurance later than the last day of registration for credit. (See Academic Calendar)

REFUND POLICIES

ADD/DROP

If the student is dropping and adding courses of equivalent semester hours simultaneously there will be no tuition penalty.

Tuition refund for dropping a course is subject to the Refund Schedule listed in the class *Bulletin* for the semester or session involved and is calculated on the date the completed Drop form is received in the Office of Academic Records. A drop fee will be charged to the student.

COMPLETE WITHDRAWAL

Students who completely withdraw from the University must submit to the Office of Academic Records a completed withdrawal form. This form is available in the Office of Academic Records. Tuition refund is subject to the Refund Schedule and is calculated

on the date the completed withdrawal form is received in the Office of Academic Records. A complete withdrawal fee will be charged to the student.

Students who reside in campus housing and completely withdraw from the University must properly check-out of their residence hall room or apartment with University Housing personnel. Failure to properly check-out will result in forfeiture of the refundable portion of the campus housing deposit.

APPEALS

In the event that a student must withdraw from the University because of sickness or unavoidable cause, he or she may appeal the refund amount to the University Business Office. Appeal forms may be obtained from the University Business Office. The student may be required to provide additional documentation to support the appeal.

FINANCIAL AID

If a refund is due a student and the student received any Federal Title IV aid from the programs listed below, all or part of the refund given must be returned to the program(s) from which financial assistance was received. This policy shall be applied on a consistent basis to all students receiving financial assistance. The funds returned will be distributed to the various Federal Title IV aid programs based on the following priority schedule:

1. Federal Stafford Loan (unsubsidized)
2. Federal Stafford Student Loan Program
3. Federal PLUS
4. Federal Direct Stafford Loan (unsubsidized)
5. Federal Direct Stafford Loan (subsidized)
6. Federal Perkins Loan Program
7. Federal Pell Grant Program
8. Federal Supplemental Educational Opportunity Grant
9. Arizona State Grant Program

Students who reduce their course load during the refund period may be subject to repayment or recalculation of financial assistance. The portion of a refund allocated to a program will not exceed the amount a student received from that program. Any portion of a refund allocated to a loan made under the Stafford, or PLS programs must be returned to the lender. If a student withdraws, drops out, or is expelled from school before the first day of classes, any Title IV funds the institution disbursed to the student for non-institutional costs — except for Federal Work-Study, or PLUS funds — automatically become an overpayment and must be returned to the program from which they were awarded. A temporary hold will be placed on the student account in the University Business Office until the refund process is completed.

REFUND SCHEDULE

Fall and/or Spring Semester Refunds

Complete withdrawal fee \$25.00
Drop fee \$10.00

Tuition

During first week of classes 100% of tuition and fees
During second week of classes 80% of total tuition
During third week of classes 60% of total tuition
During fourth week of classes 40% of total tuition
During fifth week of classes 20% of total tuition
After five weeks No refund

Students in their first year at Grand Canyon University have a different refund schedule and should contact the Office of Financial Aid for information.

Room and Board

Room and board refunds are not given for improper Residence Hall check-outs. Contact the Director of Housing for further information.

Fees

Fees are not refundable after the first week of classes.

Summer Session Refunds

Complete Withdrawal fee.....	\$25.00
Drop fee	\$10.00

Tuition

See the current Summer Session class *Bulletin* for refund schedule.

Room and Board

Room and Board refunds are not given for improper Residence Hall check-outs. Contact the Director of Housing for further information on room and board refunds.

Fees

Fees are not refundable after the first day of classes.

Forfeiture of Refunds

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

Refund Check Request Policy

Student refund checks are processed according to Federal Regulations and University Policies. For further details, please contact the University Business Office.

FINANCIAL AID

The primary purpose of student financial aid is to provide resources to students who otherwise would be unable to pursue a postsecondary education. The primary responsibility for meeting University costs lies with the student and family. The University should be expected to assist only when the family is unable to meet the full cost of attendance.

Additionally, the University makes an effort to provide scholarships and awards to students on the basis of outstanding performance. For clarification purposes, the terms "scholarships" and "grants-in-aid" will be used when achievement and/or merit are the primary consideration in determining eligibility.

ELIGIBILITY

To receive financial assistance, an undergraduate student must be enrolled in a degree-granting course of study, be in good standing and making satisfactory academic progress, and not be in default or delinquent on any loan plan with the University, state, or federal government. Also, he or she must not owe a refund on grants previously received under the Pell Grant, the Federal Supplemental Educational Opportunity Grant, or the State Student Incentive Grant.

APPLICATION PROCESS

Grand Canyon University uses any of the approved applications for federal student aid. We do not require any of the supplemental forms processed by the College Scholarship Service (CSS) or American College Testing (ACT) for which there is a fee charged. We suggest the Free Application for Federal Student Aid (FAFSA). This form may be obtained from our office, other financial aid offices or most high schools. When referring to the Application for Federal Student Aid in later parts of this catalog, all approved applications are implied.

Students will need to allow four to six weeks for processing on any

of the listed application processes. Transfer students should also submit a Financial Aid Transcript (FAT) from each college or university attended regardless of whether or not financial aid was received.

PREFERENCE / DEADLINE DATES

Rather than operating under strict deadlines, the Office of Financial Aid makes an effort to provide funds to students as long as funds are available. However, there are important dates to keep in mind. Applications for financial aid should be submitted as soon as possible after January 1st prior to the term of enrollment. Because it is best to submit applications with figures from a completed Federal Tax Return, it is recommended that preparations be made in advance to file tax returns as early as possible. All loan applications must be processed for the current semester by the Monday following Mid-Term examination week.

Applications for financial aid will be processed on a "first come, first served" basis. **Students whose financial aid file is completed after March 15 run an increased risk of receiving a reduced award.**

A completed financial aid file includes the following:

- completed FAFSA mailed to the Department of Education
- response to your application from the Department of Education
- completed Grand Canyon University supplemental application
- Financial Aid Transcripts from all schools attended
- verification of application data (only if required)
- completed tax returns (only if required)

Students renewing scholarships risk losing their scholarships and/or other aid if their files are not complete by March 15. Because processing by outside agencies takes four to six weeks, students are strongly encouraged to turn in initial/renewal applications for financial aid by February 1 in order to have their file completed by March 15 and receive all aid for which they are eligible.

DETERMINATION OF FINANCIAL AID

After the Office of Financial Aid has received the appropriate forms listed above, the student's financial need and the types of awards for which he or she qualifies will be determined from the information obtained from the Application for Federal Student Aid.

Financial need is the difference between the cost of attending the University and the resources available to the student.

$$\begin{aligned} &\text{Thus, Financial Need (FN)} \\ &\text{equals Cost of Attendance (CA)} \\ &\text{Minus Parental (PC) and Student Contribution (SC)} \\ &\text{FN} = \text{CA} - (\text{PC} + \text{SC}) \end{aligned}$$

All students will be expected to contribute toward their cost of education from summer earnings and from employment during the academic year. The Office of Financial Aid will make every effort to meet the financial need of each student. A Financial Aid Counselor is available to discuss the student's contribution as well as the family contribution if questions should arise.

AWARD PROCEDURES

For financial aid programs in which need is the factor in determining eligibility, the Federal Pell Grant is considered first. If a student's need is not fulfilled with the Pell, Supplemental Educational Opportunity Grant (SEOG) is the next form of aid considered.

Employment is granted unless it appears to be detrimental to the student's academic performance, or it would be impractical for the student to work because of limited eligibility. If it is not in the student's best interest to work, or if employment alone will not complete eligibility, other types of gift aid (grants, scholarships, etc.)

will be considered if available. When grant (gift aid) funds have been depleted, loans will be the source used to fill the remaining need. All packaging of financial aid is on a "first come, first served" basis, after the priority deadline.

FINANCIAL AID AND ACADEMIC LOAD

Undergraduate students must be enrolled for at least 12 credit hours in order to be considered full-time students. Graduate students must be enrolled for at least 9 credit hours to be considered full-time students and receive full financial aid benefits. Undergraduate students enrolled part-time will be eligible for a prorated portion of their financial aid. Some programs require at least 6 hours. Scholarship recipients must be enrolled full-time at Grand Canyon University.

KEEPING THE OFFICE OF FINANCIAL AID INFORMED

Students who are receiving financial assistance through the Office of Financial Aid and who receive additional outside assistance must report this fact to the Office of Financial Aid at once. Address changes and changes in the academic course load must also be reported. A statement of certification which lists the various changes in student status should be reported to the Office of Financial Aid and signed by the student upon application.

SATISFACTORY ACADEMIC PROGRESS

All students are required to be making satisfactory progress toward their educational objectives in order to be eligible for all institutional, federal and state financial aid. (Athletic Grants-in-Aid will be based on the requirements of the NCAA as well as this policy.) Satisfactory progress is defined in both qualitative and quantitative terms.

Qualitative: Undergraduate students must maintain a minimum cumulative grade point average (GPA) of 2.00 for all coursework at Grand Canyon University. Graduate students must maintain a minimum cumulative GPA of 3.00 for all coursework at Grand Canyon University.

Quantitative: Undergraduate students must complete at least 12 credit hours for each semester they receive financial aid as a full-time student. Graduate students must complete at least nine credit hours for each semester they receive financial aid as a full-time student. The required hours for part-time students will be prorated according to the percentage of full-time aid they received.

Students who fail to maintain satisfactory progress, either qualitative or quantitative, will be placed on probation. While on probation a student may continue to receive financial assistance. If students on probation maintain a semester GPA of 2.00 and complete the minimum required number of hours, they may remain on probation. If students on probation fail to complete the required number of hours or obtain a semester GPA less than 2.00 they will be placed on suspension. Students on suspension may not receive financial assistance. To have probation or suspension lifted the student must raise the cumulative GPA back to 2.00 or better and make up any deficient credit hours.

Students receiving Financial Aid must complete their bachelor's degree within five academic years (an academic year equals two semesters) of full-time study or ten years of part-time study. Students must complete their Graduate Degree within four academic years of full-time study or eight years of part-time study. The combined summer terms are recognized as a full semester and considered to be the beginning of our awarding year. Students will be permitted one additional academic year (two semesters) when a change of program or major is established. This policy is based on the following schedule:

BACHELOR'S DEGREE PROGRAM

After this number of academic years:	1	2	3	4	5	6	7	8	9	10
A full-time student must have earned at least this number of credits:	24	50	75	102	128					
A part-time student must have earned at least this number of credits:	12	24	37	50	63	75	89	102	115	128

GRADUATE DEGREE PROGRAM

After this number of academic years:	1	2	3	4	5	6	7	8
A full-time student must have earned at least this number of credits:	18	36	54	72				
A part-time student must have earned at least this number of credits:	9	18	27	36	45	54	63	72

A student may appeal Financial Aid Suspension on the basis of circumstances which prevented him or her from accomplishing satisfactory progress. Detailed guidelines concerning the appeal process are available on request from the Office of Financial Aid.

STUDENT RESPONSIBILITIES

IT IS YOUR RESPONSIBILITY TO:

1. Review and consider all information about the school's program before you enroll.
2. Accurately complete all application forms and return them to the appropriate office/agency on time.
3. Pay special attention to and accurately complete your application for student financial aid. Errors can result in long delays in the receipt of financial aid. Intentional misrepresentation of information on application forms for federal financial aid is a violation of law and is considered a criminal offense subject to penalties under the U. S. Criminal Code.
4. Return all additional documentation, verification, corrections, and/or new information requested by either the Financial Aid Officer or the agency to which you submitted your application.
5. Read and understand all forms that you are asked to sign and keep copies of them.
6. Accept responsibility for all agreements you sign.
7. If you have a loan, notify the lender of changes in your name, address or school status.
8. Perform the work that is agreed upon in accepting the University Award Letter.
9. Know and comply with deadlines for application and reapplication for aid.
10. Know and comply with the University's refund procedures.
11. Maintain a good standing and satisfactory academic progress.

STUDENT RIGHTS

YOU HAVE THE RIGHT TO:

1. Know what financial assistance is available, including information on all federal, state, and institutional financial aid programs.
2. Know the deadlines for submitting applications for each of the financial aid programs available.
3. Know the cost of attending the institution and the University's refund policy.
4. Know how the University determines your financial need. This process includes how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc., are considered in your budget.

5. Know what resources (such as parental contribution, other financial aid, your assets, etc.) are considered in the calculation of your need.
6. Know how much of your financial need, as determined by the institution, has been met.
7. Request from the Office of Financial Aid an explanation of the various programs in your student aid package. If you believe you have been treated unfairly, you may request reconsideration of the award which was made to you.
8. Know what portion of the financial aid you received must be repaid, and what portion is grant aid. If the aid is a loan, you have the right to know what the interest rate is, the total amount that must be repaid, the payback procedures, the length of time you have to repay the loan, and when repayment begins.
9. Know how the University determines whether you are making satisfactory progress, and what happens if you are not.

The University Catalog and Student Handbook are the primary source of information for students at Grand Canyon University. As each of you become students at Grand Canyon University, you will receive a student handbook. It is the primary resource tool of the student. Students will receive additional information from many sources including your advisor, faculty members, student affairs personnel, housing coordinators, the business office, plus others.

The University encourages every student to be proactive in seeking information, as well as seeking solutions to problems or difficulties he or she may encounter. As a Christian university, we seek to be fair and just in the administration of our institution and policies. We have in place a traditional university framework for students to address grievances with final review through the Vice President for Academic Affairs, the Vice President for Student Affairs and the Vice President for Administration.

Although all complaint resolutions would be in the context of exemptions granted by Federal and State law pertaining to the mission of the institution as defined by the Arizona Southern Baptist Convention (the institution's owner and operator) as well as all accrediting body guidelines, licensure requirements, and procedural guidelines established for operation of the University, should any student feel his complaint cannot be resolved after exhausting the institution's grievance procedures, the student may contact the Arizona State Board for Private Postsecondary Education. The student must contact the State Board for further details.

SCHOLARSHIPS

The purpose of the academic scholarship program is to enable undergraduate students to complete their bachelor degrees. It is not intended for second degrees or double majors if it would require additional hours. Most baccalaureate programs at Grand Canyon require 128 hours to complete. If a student declares a major which requires more credit hours to complete, then the academic scholarship would apply for the necessary additional hours required to earn the degree. However, the scholarships would not be applicable if a student chooses to change majors late in his or her degree program of study necessitating additional courses above the 128 hours required for a degree.

Endowed and academic scholars must enroll in at least 12 hours each semester at Grand Canyon unless the student is graduating and needs fewer than full-time credits to graduate. In this case the scholarship will be prorated for the number of hours required to complete the degree.

Students may not receive more than 50% of their tuition costs in scholarships generated by institutional funds, with the exception

of Grants-in-Aid and Scholars 100 Scholarships.

If a student uses the scholarship award to pay the tuition for a course and then withdraws after the refund period, the award will still count towards the maximum credits allowed.

All Grand Canyon scholarships are awarded for one year only, but are renewable if certain criteria are met. **Recipients must re-apply yearly and have their file completed by March 15.** Anyone who does not meet this deadline automatically loses the endowed scholarship and the academic scholarship is reduced by 25%.

If a student loses an academic scholarship because the GPA falls below the requirement, the scholarship may not be regained. The student may, however, qualify for other scholarships. For example, if a student loses his or her eligibility for Top 5% due to GPA, the student may be able to qualify for the Top 10%.

If a student believes that he or she has a unique circumstance, any policy may be appealed through the Financial Aid Committee. Appeal Forms are available in the Office of Financial Aid.

The University reserves the right to change the policies.

ACADEMIC SCHOLARSHIPS

SCHOLARS 100

High school graduates who are a Valedictorian or Salutatorian of their class or who graduate with a 4.00 GPA on a 4.00 scale, or who are a National Merit Finalist, may apply for one of a specified number of 100% tuition scholarships the University makes available to incoming freshmen the Fall semester after their high school graduation. GPA's are determined by an official seventh-semester transcript. Applications for the Scholars 100 are available in the Office of Admissions and the Office of Financial Aid and must be completed and returned to the Office of Financial Aid by March 15.

A student who has earned any college credits may not qualify for this academic scholarship unless the hours were taken while the student was concurrently enrolled in high school and had the equivalent of a 3.75 GPA in college courses completed. These allowable credit hours would reduce the hours of the award.

This scholarship is renewable for up to 128 credit hours to complete a bachelor's degree provided:

1. A 3.75 GPA is maintained.
2. The student remains enrolled full-time.
3. The Financial Aid File is completed by March 15.

TOP FIVE ACADEMIC

High school students who graduate in the top 5% of their high school class may qualify for a 50% tuition scholarship the Fall semester after their high school graduation. Students may also qualify with an ACT composite or SAT combined score at, or above the 95th percentile nationally.

A student who has earned any college credits may not qualify for this academic scholarship unless the hours were taken while the student was concurrently enrolled in high school and had the equivalent of a 3.50 GPA in college courses completed. These allowable credit hours would reduce the hours of the award.

This scholarship is renewable for up to 128 credit hours to complete a bachelor's degree provided:

1. A 3.50 GPA is maintained.
2. The student remains enrolled full-time.
3. The Financial Aid File is completed by March 15.

TOP TEN ACADEMIC

High School students who graduate in the top 10% of their high school class and do not qualify for any other institutional academic scholarship may qualify for 25% tuition scholarship.

A student who has earned any college credit may not qualify for the academic scholarship, unless the hours were taken while the student was concurrently enrolled in high school and had the equivalent of a 3.25 GPA in college courses completed. These allowable credit hours would reduce the hours of the scholarship award.

This scholarship is renewable for up the 128 credit hours to complete a bachelor's degree provided:

1. A 3.25 GPA is maintained.
2. The student remains enrolled full-time.
3. The Financial Aid File is completed by March 15.

GRAND CANYON UNIVERSITY HONORS

Students who have completed a minimum of two consecutive full-time semesters at Grand Canyon University with a 3.50 cumulative Grand Canyon University GPA are eligible to apply for a Grand Canyon University Honors Scholarship. The amount of this scholarship is 20% of tuition.

This scholarship is renewable for the remaining number of credit hours required to complete a 128 credit hour bachelor's degree provided:

1. A 3.25 GPA is maintained.
2. The student remains enrolled full-time.
3. The Financial Aid File is completed by March 15.

TRANSFER HONORS SCHOLARSHIPS

Students who transfer in at least 24 credit hours of coursework to Grand Canyon University with a 3.50 cumulative GPA are eligible to apply for a Transfer Honors Scholarship. The amount of this scholarship is 20% of tuition.

This scholarship is renewable for the remaining number of credit hours required to complete a 128 credit hour bachelor's degree provided:

1. A 3.25 GPA is maintained.
2. The student remains enrolled full-time.
3. The Financial Aid File is completed by March 15.

GRADUATE FELLOWSHIPS

Graduate fellowships are available to students enrolled in the Master's Degree programs in the College of Education. Awards are contingent upon acceptance into the Master's Program, academic excellence, hours to be taken per year, completed application (available in the College of Education Office), professional demeanor and future goals of the student. The M.Ed. student must enroll for at least 24 hours per year. The M.A. student must enroll for at least 15 hours per year. Recipients will be assigned to serve as a fellow to a faculty member. Exceptions may be made at the discretion of the Dean of the College of Education.

Renewal of Graduate Fellowships is partially contingent on resubmitting an application each year. Fellowships may be renewed at the discretion of the College of Education faculty. Evidence of continuing academic excellence is paramount but other factors may also contribute.

CHURCH MATCHING SCHOLARSHIP

The University will match dollar-for-dollar, up to \$500 per year, for each dollar given by a student's Southern Baptist Church as long as it does not exceed the 50% cap on awards a student may receive from institutional funds.

DENOMINATIONAL WORKERS DEPENDENT SCHOLARSHIPS

Dependent children and spouses of currently serving Southern Baptist pastors and missionaries may receive this award.

The student must be enrolled full-time, maintain a 2.00 GPA, and have a completed Financial Aid File by March 15 each year.

DEPARTMENT FELLOWS

Qualified students are selected to serve as teachers' fellows in the various departments. This is an honorary designation and involves assisting the professor in significant ways. Each full-time member of the teaching faculty is entitled to one such fellow.

In order to qualify, a student must be at least a junior and be majoring (in some cases, minoring) in the department in which he or she serves. The student must have at least a 3.0 GPA in the department as well as in all college work.

WORK GRANTS

Students may qualify for work grants in publications, intramural sports, and as residence hall assistants. Information can be obtained from the Office of Student Affairs on specific requirements and stipends available.

OTHER INSTITUTIONAL SCHOLARSHIPS

Special-ability scholarships are available in the areas of Business, Nursing, Art, Drama, Speech, and Music. Application must be made through the college dean/department chairperson or faculty member in charge of scholarships in the student's area of interest. Recipients of such scholarships will be expected to maintain at least a 2.00 GPA and be enrolled for full-time studies. Additional requirements may be placed on the student by the college/department awarding the scholarship.

The student is required to submit a Supplemental Application in the Financial Aid Office before funds will be released into the student's account. These scholarships may not exceed the 50% cap on scholarships a student may receive through institutional funding.

ENDOWED SCHOLARSHIPS

Students enrolled full-time may apply for endowed scholarships. These scholarship funds are the result of donations made to the University by alumni and friends of the institution. The interest on the accounts is calculated on a yearly basis and awarded to students based on criteria set by the donor. Students who file for financial aid have automatically applied for the scholarships which include demonstrated need as one of the criteria for award. Unless otherwise stipulated, the basic academic requirements for any of these scholarships is a 2.00 GPA. Students may apply for these scholarships by completing their Financial Aid File before March 15. Scholarship recipients will be expected to write a thank you letter to the donor before the funds will be released. These scholarship awards may not exceed the 50% cap on scholarships a student may receive through institutional funding. (The University has other endowed scholarships that have not attained the \$10,000 level presently required by Board policy for inclusion in the catalog.)

Charles E. Arant, Jr. Business Memorial Scholarship
N. E. and Lora Barker Scholarship Fund
Ernest I. and Eurice Bass Scholarship Fund
Betty Wallace Beamer Memorial Fund
Beck Memorial Scholarship
Woodrow and Letress Berryhill Scholarship
Henry and Dollie Brice Memorial Scholarship
Clara Burghout Memorial Scholarship

Cook/Bishop Memorial Presidential Grant
 Mary Cheatham
 G. D. Crow Memorial Scholarship
 Hilton Jones Crow Scholarship
 Keith and Mary Sue Davis Scholarship
 Glenn Eason Educational Scholarship
 Evans-Griffin Scholarship
 David H. Eaton Scholarship
 Wesley and Lola Freeburg Scholarship Fund
 Jim and Claire Goins Living Memorial
 Ernest E. and Linnie Ann Hatcher Memorial Scholarship
 Louis Willard and Kathryn Opal Hardcastle Scholarship
 S. F. and Jewel Hawkins Memorial Scholarship
 Mrs. W. C. Henderson ACTEEN Scholarship Fund
 Hine Memorial Scholarship
 William R. Hintze Alumni Scholarship Endowment
 William R. Hintze Memorial Presidential Grant
 Richard A. Jackson Scholarship
 Tom S. Kent Family Scholarship Fund
 Max Lyall
 Paul and Esther McCarty Scholarship
 Mary McDowell Living Memorial Scholarship
 McFarland Scholarship
 Fannie Mae Meredith Scholarship
 Karl S. Nelson Memorial Scholarship Fund
 Lowell B. Parker Ministerial Scholarship Fund
 Carl Paetz Memorial Scholarship
 Crystle Paetz Nursing Scholarship
 Dr. and Mrs. Robert Pickering Scholarship
 Edward W. Pollock Family Scholarship
 Willis J. and Ida M. Ray Presidential Scholarship
 Mack D. and Bonnie Jean Reagan Business Scholarship
 Reverend Willaim D. Rummel
 C. J. and Thelma B. Smith Ministerial Scholarship
 Jerry D. Smithey Business Scholarship
 A. L. Stoker Memorial Scholarship
 Roy F. and Helena H. Sutton Scholarship Fund
 Susan Thomas Memorial
 Weeks Scholarship
 John B. Will and Fred and Norma Pfeiffer Scholarship

GRANTS FROM PRIVATE BUSINESSES, FOUNDATIONS, AND ORGANIZATIONS

Datatel Scholarship

A separate application for this scholarship is available in the Financial Aid Office and must be returned to the Financial Aid Office by February 15.

Dougherty Foundation Loan/Grant

A separate application for this scholarship is available in the Financial Aid Office and must be returned to the Financial Aid Office by May 1.

Farmers Insurance Group of Companies Scholarship

First Interstate Bank of Arizona, N.A.

Howard Relfe Memorial Scholarship

Dorothea Van Deusan Opdyke Scholarship

Phelps Dodge Scholarship

ROTC SCHOLARSHIPS

Air Force and Army ROTC scholarships are available to Grand Canyon University students. Scholarships vary in amount with a maximum award providing full tuition as well as an allowance for fees, and curriculum required textbooks. In addition, students may receive a non-taxable \$100 allowance each month during the school year while on scholarship status. Students not on ROTC scholarship

but enrolled in the last two years of ROTC also receive the \$100 allowance. Scholarships are available on a 4-, 3½-, 3-, 2½-, 2-year basis. To qualify for 4-year scholarships, students must be U. S. citizens and submit an application prior to December 1st of their senior year of high school. For information contact the Air Force or Army ROTC detachments at Arizona State University.

TRIBAL SCHOLARSHIPS

These scholarships require the student to turn in a Needs Analysis form to the Office of Financial Aid to be completed and sent to the Native American Tribe of the respective student. The tribes also require the student to submit an application for Federal Aid to the Office of Financial Aid. Each tribe has deadlines and Needs Analysis forms to be sent each semester. It is the responsibility of the student to make sure that their forms are submitted to the Office of Financial Aid in a timely manner for the process to be completed by the deadline.

INDIAN HEALTH SERVICE (IHS)

This Native American Scholarship is for applicants in the health care field. An invoice must be sent to the IHS agent each semester with documentation of educational costs.

ARIZONA SOUTHERN BAPTIST CONVENTION, MINISTRY-RELATED VOCATIONS SCHOLARSHIPS

Those eligible to apply are Grand Canyon University students pursuing ministry-related vocations, i.e. pastors, ministers of education, ministers of music, ministers of youth, missionaries related to Southern Baptist denominational missions agencies, and vocational workers with Southern Baptist missions educational agencies. Those applicants who already have an undergraduate degree in any field are ineligible for this scholarship.

The purpose of this scholarship is to encourage and assist ministry minded students in fulfilling their Biblical calling by furthering their training at Grand Canyon University.

Applications and information regarding eligibility for this program may be obtained from the Director of Church Relations at Grand Canyon University. Applications must be submitted before July 1 for the Fall semester and January 1 for the Spring semester, and must be applied for each semester.

OFF CAMPUS SCHOLARSHIPS

(Which require no Grand Canyon University assistance)

The Office of Financial Aid has information on outside scholarships available to students through associations, corporations, hospitals, etc. These scholarships require applications to be sent to the appropriate address by the specified deadline.

GRANTS-IN-AID

The University offers athletic and performance grants-in-aid that are not subject to the 50% cap for scholarships. Students should contact the Athletic Director or the Dean of the College of Communications and Fine Arts for additional information.

GRANTS

Grants are outright gifts of money and are awarded on the basis of financial need. A student's financial package may include grant money whenever guidelines and funding levels permit.

Grand Canyon University is in compliance with the standards of the U. S. Department of Education regarding a drug free workplace.

Any student who receives a Pell Grant will be asked to certify that he or she will not engage in the unlawful manufacture, distribution,

dispensation, possession or use of a controlled substance during the period covered by the Pell Grant.

FEDERAL PELL GRANTS

Pell Grants (formerly called Basic Educational Opportunity Grant) made available to undergraduate students only and are the "floor" of the student's financial aid package. All other financial aid awarded will be in addition to the Pell Grant. The maximum Pell Grant eligibility for each student is not more than the actual cost of attending the University less the amount the student or his or her family is able to contribute toward the student's education. The student's eligibility is determined by a schedule developed by the Department of Education, Washington, D. C. Students who are eligible for a Pell Grant must make satisfactory progress to receive this award. Students may apply for this grant by using the application for Federal Student Aid. Applications must be submitted annually. Upon receipt of the Student Aid Report (SAR), all three parts must be mailed to the Office of Financial Aid for further processing.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)

The SEOG provides gift aid to undergraduate students who, without this grant, would be unable to continue their education. Grants may range from \$100, to one-half the student need, but not exceed \$4,000 per year. The application procedure is described under the "Financial Aid Application Process" section.

ARIZONA STATE GRANT PROGRAM (ASG)

These are grant funds for Arizona residents available from federal, state and institutional sources to assist deserving students who have financial need. Grants may range upward from \$100 to \$2,500 per year. The ASG may be awarded to graduate students who demonstrate need. Application procedure is described in the "Financial Aid Application Process" section.

STUDENT LOANS

Loans are often part of a financial award package. They provide Grand Canyon University students with an opportunity to defer part of their educational costs by borrowing now and paying later. Although there is much discussion on the debt burden, the Office of Financial Aid is of the opinion that the loan debt was contracted so the student could invest in himself or herself. If the student has invested intelligently and works to make use of the newly acquired abilities, the debt cost will be recouped many times. Students who make a poor educational and/or occupational choice or effort may find the burden of repayment a hardship.

FEDERAL CARL D. PERKINS/NATIONAL DIRECT STUDENT LOAN PROGRAM (NDSL)

The NDSL provides long-term loans for U. S. citizens and permanent residents. The amounts awarded vary, depending on financial need. No interest is charged, nor is repayment required, while the borrower is enrolled in at least one-half of the normal academic load. Payments begin nine months after the borrower ceases to be enrolled less than half-time (6 credit hours), at an interest rate of 5%. Loan repayment must be completed within a 10-year period at a minimum repayment rate of \$40 per month. Under certain circumstances a portion of the loan may be cancelled for designated public service. To be considered for this loan, a student must file application for Federal Student Aid.

FEDERAL STAFFORD LOAN PROGRAM (GSL)

These loans are secured from an off-campus lending agency such

as a bank, credit union, savings and loan association, or insurance agency.

Both subsidized and unsubsidized loans have the same terms and conditions, except unsubsidized loan borrowers are responsible for interest that accrues during all in-school, grace and deferment periods.

ANNUAL AND AGGREGATE LOAN LIMITS

Academic Year	Dependent Students	Independent Students	
	Maximum Federal Stafford (Sub & Unsub)	Maximum Federal Subsidized Stafford	Maximum Federal Stafford (Sub & Unsub)
Annual Limits			
Year 1	\$2,625	\$2,625	\$6,625
Year 2	\$3,500	\$3,500	\$7,500
Years 3, 4, & 5	\$5,500	\$5,500	\$10,500
Graduate/ Professional	n/a	\$8,500	\$18,500
Aggregate Limits			
Dependent Undergraduate	\$23,000	n/a	n/a
Independent Undergraduate	n/a	\$23,000	\$46,000
Graduate/ Professional	n/a	\$65,500	\$138,500

The interest rate for all borrowers as of July 1, 1995, based on the average Treasury Bill rate was set at 8.25%. The interest rate has a cap of 8.25%. Repayment begins six months after the borrower ceases to be enrolled at least half-time with monthly payments of not less than \$50, but with a maximum repayment time of 10 years. Student must meet general eligibility requirements and be enrolled at least half-time. Applications are available from either the lender or the Office of Financial Aid.

To be considered for this loan, a student must file an Application for Federal Student Aid. See following for disbursement of the student loan.

PLUS LOANS

PLUS Loans are for parent borrowers. This loan provides additional funds for educational expenses and like the Stafford/GSL, is made by a lender such as a bank, credit union, or savings and loan association. The PLUS enables parents to borrow up to the full cost of attendance less any other financial aid for each eligible dependent. The interest rate on loans as of July 1, 1995 is set at 8.98%. This rate may vary from year to year but will not exceed 10%. Call the Office of Financial Aid to obtain the current interest rate. PLUS borrowers must begin repayment within 60 days after the loan is disbursed. Before the PLUS can be awarded, a determination must be made to see if the student is eligible for the Stafford/GSL. The Financial Aid application procedure is described under the "Financial Aid Application Process" section. Disbursement of the PLUS loan is a co-payable check mailed to the University.

DISBURSEMENT OF STUDENT LOANS

The U. S. Department of Education requires that there be multiple disbursements of Stafford and PLUS loans regardless of loan amount or length of time remaining in the loan period. This applies to all loans guaranteed on or after January 1, 1990 for loan periods beginning on or after that date. Within this time period, the disbursement of the student loans shall be in no less than two (2) disbursements. The Office of Financial Aid will post a schedule of expected disbursements at the beginning of each session. This schedule is dependent upon the receipt date of the loan application and may vary accordingly.

DISBURSEMENT OF THE STUDENT LOANS TO FIRST YEAR STUDENTS

The U. S. Department of Education requires that the school may not deliver the first installment of a Stafford or PLUS loan to an undergraduate student who has not successfully completed the first year of the program of education in which the student is currently enrolled until 30 days after the first day of classes, and only if it then certifies in the student's file that the student continues to be enrolled, is in attendance and is maintaining satisfactory progress. "Delivery" includes crediting the student's account as well as providing funds directly to the student.

STUDENTS RECEIVING OVERAWARDS

The University will withhold and promptly return to the lender any Stafford disbursement not yet delivered to the student which exceeds the amount of assistance for which the student is eligible, taking into account other financial aid obtained by the student. Instead of returning the entire disbursement, the school may return to the lender only that portion of the disbursement for which the student is ineligible.

STUDENT EMPLOYMENT

Students who are unable to meet all of their financial need requirements and do not wish to borrow money may seek employment. The student's capability to work may be affected by several factors including class schedules, grade point average, and desire. In no case should employment be used as an excuse for low grades.

The Office of Career Planning and Employment Services, located in the Office of Student Development building, is designed to assist students in finding Federal Work Study (FWS), Non-Federal Work Study (NFWS) and part-time off-campus jobs, and to help students with their job-hunting campaign. Part-time, off-campus jobs for students are also developed by the Job Location and Development Program (JLD).

FEDERAL WORK-STUDY PROGRAM (FWS)

This program provides part-time employment for U. S. citizens and permanent residents who have demonstrated financial need on the Free Application for Federal Student Aid. The maximum amount a recipient can earn under this program is determined through an evaluation of the FAFSA. General wage policies are established by the University within the guidelines established by the U. S. Department of Education. Work-Study students are not eligible for fringe benefits such as holiday, vacation, or sick pay and are paid on an hourly basis. The application procedure is described under the "Financial Aid Application Process" section.

The student must receive a Financial Aid Award Letter from the Office of Financial Aid to be eligible for a Federal Work Study position. These positions are designed for students to work on-campus.

NON-FEDERAL WORK STUDY

Non-Federal Work Study positions do not require a financial aid need, nor is it necessary to fill out a financial aid packet in order to obtain these positions. These positions are on-campus but are limited in number.

PART TIME JOBS OFF-CAMPUS

Listings of part-time off-campus positions can be obtained through the Office of Employment Services by checking the referrals and leads on the Job Opportunities Board. This board is updated regularly to give students "HOT TIPS" as to who is hiring. These positions range from part-time tellers at near-by banks to live-in nannies.

JOB HUNTING

For those students seeking assistance in putting together their job-hunting campaign, we offer the A.I.M. process. We help students to assess their skills and qualities, to investigate the industries that would best meet their skill base, and to market themselves to potential employers.

PLACEMENT SERVICES

Education Placement Services is open to all Grand Canyon University graduates, Fifth Year, M.Ed., and M.A. students who have completed the teacher certification program at Grand Canyon University. Your most recent degree must be from Grand Canyon University. Correspondence should be addressed to the Director of Education Placement.

APPROVALS

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

Student Development

STATEMENT OF PRINCIPLE

The words of the Alma Mater summarize the attitude and spirit of Grand Canyon University:

*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.*

STUDENT DEVELOPMENT MISSION STATEMENT

As an integral part of the educational mission of Grand Canyon University, the Office of Student Development creates living and learning opportunities that guide all students toward:

1. Christlikeness
2. Academic Success
3. A lifestyle of personal excellence

CALENDAR/HANDBOOK

The Student Handbook and the University Calendar of activities is published by the Office of Student Development. It makes available detailed information concerning policies and procedures for approved student activities. It is the student's responsibility to become familiar with, and adhere to, policies contained within the Student Handbook.

HEALTH SERVICES

The Cooke Health Center is an out-patient health facility. It is staffed by a certified college health nurse and University physicians who also have private practices. Laboratory, X-ray, pharmacy and emergency room services are available off campus. There is made available to students a referral service for emotional/mental health needs. Visits to see the University physician at the Health Center are included in the student's general fee.

All students living on campus (residence halls and apartments) and all international students are required to carry accident/health insurance. Commuter students are encouraged to carry such insurance. Each year Grand Canyon University arranges to make insurance available at a reasonable cost. FOR A STUDENT TO BE COVERED FOR THE ENTIRE YEAR, HEALTH INSURANCE MUST BE PURCHASED AT BOTH FALL AND SPRING REGISTRATIONS.

The insurance covers the student 24-hours a day and during vacation periods.

ALL STUDENTS MUST SUBMIT A HEALTH HISTORY FORM AS WELL AS CURRENT IMMUNI-

ZATION DATES (MONTH/YEAR) PRIOR TO REGISTRATION. Current immunization dates are according to the Center for Disease Control recommendations.

Students who major in Nursing and students who participate in intercollegiate sports must have their physician complete the physical examination portion of the Health History form before returning it to the Health Center.

Any student enrolled at the University who becomes, in the opinion of the medical staff of the Cooke Health Center, a danger to himself/herself or to others, shall be required to vacate University housing and/or be withdrawn from classes and will not be re-admitted until the problem has been corrected. The University reserves the right to request a medical release from the student's physician before being permitted to re-enter.

CAREER PLANNING AND STUDENT EMPLOYMENT SERVICES

The Office of Career Planning and Student Employment Services will assist students with the assessment of their skills and interests, the investigation of job and educational opportunities, and the strategies and tools of effective self-marketing. Opportunities are posted for off-campus jobs and a limited number of Federal Work Study and Non-Federal Work Study jobs to assist currently enrolled students in finding part-time employment to help meet educational costs.

HOUSING

Any student officially admitted to Grand Canyon University is eligible to apply for campus housing. We offer both residence hall and apartment housing.

All unmarried Freshman or Sophomore students who are under 20 years of age and who carry 12 credit hours or more are required to live in residence housing. Freshmen are required to live in residence halls and sophomores may apply for the apartments, if space is available. Exceptions are made for those students who live with their parents, guardians, or close relatives. The residence hall environment is best

Statement of Principle

Calendar/Handbook

Health Services

Career Planning
and Student
Employment Services

Housing

Student Conduct

Chapel/Spiritual Life

Athletics

Food Service

Disability Services

Student Activities

suited for students under the age of 25. Older students are encouraged to live in the North Rim Apartment Complex. Room and board charge for students who reside in a residence hall includes a meal plan of either 21 meals per week or 14 meals per week.

Residence halls are closed during Thanksgiving, Christmas, and Spring holidays. The residence halls are available in the summer for Summer Session only if a sufficient number of students apply for residency.

Apartment housing, furnished and unfurnished, is available to students who are 20 years of age or older or of sophomore status. Priority is given to married students, families, and students with a senior or junior classification. Students who reside in the North Rim Student Housing Complex are required to carry at least 12 credit hours. Roommate selections for the apartments are made by the student, not the University. All utilities, including access to local telephone service and basic cable television are included in the monthly rent.

A completed application and deposit is required for placement in campus housing. Additional information regarding housing may be obtained by contacting Housing Office, P. O. Box 11097, Phoenix, Arizona 85061-1097.

STUDENT CONDUCT

Grand Canyon University attempts to create an atmosphere conducive to the purposes of a liberal arts education in the Christian tradition. All students who enroll in the University are expected to accept the responsibilities of campus citizenship and to show consideration and respect for the personal freedom and property rights of members of the civic community and the academic community. Students are expected to give primary attention to their college work and to all classes, exercises, and engagements which require their attendance. While some students may not have personal convictions in accord with the University's policies, a person's enrollment at Grand Canyon University assures that he or she accepts the responsibility for honorable adherence to these standards, both on and off campus, while a student at the University. When a student does not meet the University's general standards of behavior, or comply with its regulations, the University may take disciplinary action. Such action may take the form of a reprimand, restriction of certain privileges, suspension, or final dismissal.

As a private institution, Grand Canyon University reserves the right to determine who will enter and who will remain on campus.

CHAPEL/SPIRITUAL LIFE

A complete Grand Canyon University education includes experiences that seek to develop the spirit, as well as the mind and body. Chapel attendance is an integral part of this process and is a requirement for graduation.

Each student taking nine (9) hours or more is required to attend a minimum of 14 chapels per semester. Evening students, those already possessing a degree, and those whose off-campus internships and teaching practicums conflict with the chapel schedule are exempt.

Students are encouraged to participate in local churches as a part of their total experience. Many opportunities are offered on campus as well to become involved in the spiritual aspect of campus life. Some of these opportunities on campus are found within the Baptist Student Union (BSU), Christian Ministries Association (CMA), the Fellowship of Christian Athletes (FCA), and numerous small Bible study groups.

ATHLETICS

INTERCOLLEGIATE ATHLETICS - Grand Canyon University's Antelopes compete in nine different sports, sponsoring five men's teams and four women's teams. Men's sports include soccer and cross-country in the fall, basketball in the winter, and baseball and golf in the spring. The Lady 'Lopes compete in volleyball and cross-country in the fall, basketball in the winter, and tennis in the spring.

In 1991 the University was granted full membership in the National Collegiate Athletic Association (NCAA). All sports compete in the NCAA Division II level with the exception of baseball, which competes in Division I.

Grand Canyon University is a member of the California Collegiate Athletic Association, an NCAA Division II conference that sponsors championships in the sports of men's and women's basketball, women's volleyball and tennis, men's soccer, and men's and women's cross-country. Other conference members include the University of California - Riverside, Cal Poly Pomona, California State - Bakersfield, California State - Los Angeles, California State - Dominguez Hills, and California State - San Bernadino.

The men's golf team competes as an independent in NCAA Division II.

Grants-in-aid are available in all sports. Special academic regulations apply to those interested in competing in intercollegiate athletics. Please contact the Athletic Compliance Office for specific regulations.

Student-athletes at the University are expected to abide by the guidelines in this catalog, including the Christian representation of the institution. Student-athletes are subject to drug testing as outlined in the Intercollegiate Athletic Handbook. A copy of the guidelines related to drug testing may be obtained by contacting the Office of Intercollegiate Athletics.

FOOD SERVICE

The University cafeteria is a food service establishment that provides meals during the academic year. It is closed when the University is not officially in session (during Thanksgiving, Winter Break, Spring Break, and between the end of the Summer term and the opening of the Fall semester).

Students living in the residence halls are required to be on a University meal plan. Others may buy meals on an individual basis or may purchase a meal plan.

Light lunches and refreshments are available in the snack bar located in the Student Center.

DISABILITY SERVICES

Grand Canyon University values all of its students. In order to provide reasonable accommodations for specific needs of students with disabilities, we invite self-declaration of disabilities upon acceptance of admission. Records are strictly confidential and the information is shared only with University personnel who need to know for accommodation purposes.

It is the student's responsibility to request the exception/modification in writing prior to the date services are expected. To allow the University sufficient time to make appropriate plans, requests should be submitted no later than August 1 for Fall classes and December 1 for Spring classes. The University will respond in writing.

Requests should be directed to the Coordinator of Services for Students with Disabilities, Office of Student Development, Grand

Canyon University. The University reserves the right to ask for any documented verification of need. The University cannot provide accommodations that are not requested.

STUDENT ACTIVITIES

INTRAMURALS - Intramural competition at Grand Canyon University is designed to meet the needs of every student, regardless of skill or ability and is open to all current students. Intramural sports and activities currently include: volleyball, softball, tennis, ping-pong, frisbee golf, basketball, water volleyball and flag football.

DRAMA AND SPEECH ACTIVITIES - Opportunities for dramatic and speech participation are available in plays, operas, and intercollegiate forensics and debate. These activities are available for all students, not just those majoring in these areas.

MUSIC PROGRAMS - Students from the entire University combine with music majors and minors in performing in choirs, wind ensembles, jazz bands, chamber ensembles and orchestra, handbells, guitar ensembles and operas and Broadway musicals each year.

University Singers is a non-auditioned ensemble open to all interested students of the University. (*Prerequisite instructor's approval*) Membership in all other ensembles will be determined by audition. For more information, please contact the College of Communications and Fine Arts.

SPECIAL EVENTS - There are various events throughout the school year that have become traditions at Grand Canyon. In the Fall there are many events planned around the New Student Orientation as well as Spiritual Emphasis Week, Club Rush Week, Harvest Festival, T.W.I.R.P. Week, and the Hanging of the Green. The Spring has activities such as Staley Lecture Series, ASGCU Homecoming, Spring Formal, Spiritual Emphasis Week, Honors Day, Athletic Awards Banquet, and Oozeball (mud volleyball).

CLUBS AND ORGANIZATIONS - Over 30 student organizations meet regularly. Some are service and honor organizations, some extend the exploration of specific majors or issues, and some provide social interaction.

STUDENT GOVERNMENT - The Associated Students of Grand Canyon University (ASGCU) is a student-elected body that is responsible for the governing process as it relates to student needs. This governing body is made up of student body officers, class senators and University sponsors. Class meetings are periodically scheduled throughout each semester to communicate the various activities/responsibilities of each class.

PUBLICATIONS - Every year several publications are produced by students. These include the campus newspaper (*Canyon Echoes*), yearbook (*Canyon Trails*), and literary journal (*Shadows*).

General Academic Regulation

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PREFACE

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This section of the catalog describes many policies related to a student's academic life at Grand Canyon University. The policies are intended to assure the student a high quality education and to reflect that quality to accrediting agencies, state licensing/certifying agencies, individuals and groups who provide scholarships or otherwise support the University, and to potential employers and graduate schools. The University recognizes that there are individual circumstances and situations which may necessitate exceptions to these policies. When the purpose of the policy or regulation is not being defeated, the University will make every reasonable effort to accommodate those exceptional circumstances and provide a process for the student to appeal or request that an exception be granted. Often the appeals process is explained with the policy but in any case where it is not described, the student should ask the Office of the Vice President for Academic Affairs how to proceed. The University has no right to change policies or procedures of another organization for which it is merely acting as an agent.

Students enrolled in, or considering enrollment in, the University's College of Continuing Studies should be aware that some specific policies are different for that College only. Among the affected policies are those concerning the Academic Semester Hour, Course Load, Reading and Conference, Correspondence and Extension Credit, and Evaluation of Transfer Credit. Please see the Dean of the College of Continuing Studies for clarification and details.

ACADEMIC ADVISEMENT

Every student at Grand Canyon University is assigned to an advisor, usually a faculty member within the major field of study, for the purpose of assisting the student with proper academic planning. **However, it is the student's responsibility to become familiar with and adhere to the policies and degree requirements stated within the catalog.** Students are encouraged to seek academic counseling regularly throughout their academic career.

An academic checksheet, available upon request in the Office of Academic Records, is a record showing the student's coursework completed to date. Students should refer to the GRADUATION REQUIREMENTS section of this catalog for specific details regarding graduation.

ACADEMIC SEMESTER HOUR

Grand Canyon University operates on the semester plan, offering two regular semesters of approximately 15 weeks each. Credit is expressed in terms of semester hours. One semester hour normally requires the equivalent of one 50-minute class period per week throughout a semester. Adaptations of this principle are sometimes employed, especially in music, physical education activity, and laboratory courses. Summer session is operated on an accelerated schedule which is in accord with the semester hour principle. Some programs within the College of Continuing Studies also operate on an accelerated schedule.

CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The University believes that students themselves are primarily responsible for attendance. Instructors will provide students with written statements of their policies with respect to absences. If students violate the instructor's attendance requirements, the instructor may recommend the Vice President for Academic Affairs that the student be administratively dropped from the course. If the student is administratively dropped, it will result in a grade of "W." **No refunds are made for administrative withdrawals.** Students may appeal administrative drops to the Office of the Vice President for Academic Affairs.
2. The student must notify the Office of Student Affairs directly when an absence from class of one week or more is unavoidable. The Office of Student Affairs will notify instructors upon request. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Vice President for Academic Affairs.
3. To secure permission to make up work missed by an absence, students must account to their instructors in the manner prescribed by their instructors, immediately after their return to class.
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.

CLASSIFICATION OF COURSES

Courses are numbered from 100 to 699. The course numbering system is as follows:

100-299 are lower division courses designed for freshman and sophomore students.

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. Certain classes are closed to freshmen who have not had designated prerequisites (consult course description for prerequisite requirement).

300 - 499 are upper division courses designed for juniors and seniors.

500 - 699 are graduate level courses.

CLASSIFICATION OF STUDENTS

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

Students are classified as *sophomores* when they have earned 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 36 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.

Graduate Students — those students who have a Bachelor's degree from a regionally accredited institution and have been admitted to the graduate program of study offered by one of the Colleges of the University.

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 pages 38-39).

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

CONCURRENT ENROLLMENT

Undergraduate students may enroll at other institutions while enrolled at Grand Canyon University provided that other University policies are not violated and:

1. The student completes the necessary paperwork, in the Office of Academic Records, **prior** to enrollment to ensure progress toward a degree.
2. Total enrollment at all institutions in a given semester may not exceed 18 hours without prior permission from the Academic Affairs Committee.
3. Requests from Undergraduate students to the Academic Affairs Committee must have the endorsement of the student's advisor.
4. Requests from students in Master's degree programs must be submitted to the Dean of the appropriate College.

Transfer credit may not be accepted if the above guidelines are not followed. Undergraduate students enrolled in less than 12 hours at Grand Canyon University are not under these regulations. Concurrent Enrollment forms and Academic Affairs Committee

petitions are available in the Office of Academic Records.

It is **strongly** recommended that students not enroll concurrently at a community (junior) college after their sophomore year. Community college courses are designed to be introductory in nature and should be taken during the student's first two years. Postponing them until later usually disrupts the sequence of courses in a major and results in poor grades in the advanced classes. Postponing Liberal Arts Foundation requirements also leads to poor performance in upper division courses which assume the general background gained from the Liberal Arts Foundation requirements.

COURSES

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.

The student wishing to audit a course will typically do so at the time of registration before the beginning of the course. Students may sometimes be allowed to change their registration from credit to audit during the first half of the course but this should be rare and due to unusual or extenuating circumstances. Certain professional programs (e.g. Nursing or Education) offered by the University may restrict the ability of students to audit courses. These programs also reserve the right to treat a mid-course change to audit status within the professional program as if the student had failed the course and to require the student to be re-admitted to the program. Students considering a change to audit status should confer with their academic advisor or the dean of the college which offers their major before finalizing the change with the Office of Academic Records. Students desiring to change their registration status from credit to audit must request this change by filling out the appropriate form (including signatures) in the Office of Academic Records. The instructor should also be notified of the change so that he or she can make the appropriate change in his or her grading standards.

It is the responsibility of the student auditing a course to ascertain from the instructor the expectations of that instructor with regard to the behavior of an auditing student. Students not meeting the instructor's expectations for an "S" (Satisfactory) grade will be given a "U" (Unsatisfactory) grade.

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 University catalog.

Courses in the College of Continuing Studies are generally not available for audit.

CHANGE OF COURSES

After a student has completed registration, no change in course schedule is permitted without the signatures of the professor or professors concerned, the Registrar or Vice President for Academic Affairs and the Business Office. Tuition may be refunded when changes in class schedule are made upon the recommendation of the Vice President for Academic Affairs. **Refunds are determined by the date the student files a completed withdrawal form with the Office of Academic Records.** (See the schedule of refunds beginning on page 17.)

A student is not permitted to enroll for credit in a course after the last date to enroll for credit as shown in the academic calendar on pages 2 and 3.

COURSE LOAD

An undergraduate 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 total of 12 semester hours of credit courses during the Summer terms is considered full-time.

A graduate student who is enrolled for a minimum of 9 semester hours of credit courses is defined to be full-time during the Fall or Spring semesters.

Undergraduate students living on campus are expected to carry a minimum of 12 semester hours. Graduate students living on campus are expected to carry a minimum of 9 semester hours. Any exceptions must be determined by the Vice President for Student Affairs and/or the Vice President for Academic Affairs.

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

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

Only one course (three credit hours) may be taken during the first Summer Session. The maximum course load normally allowed during other Summer terms is six semester hours. If one course is a four-hour course, or if one hour of Physical Education or Applied Music is taken, the student may be permitted to take seven hours.

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

1. Students who have employment other than school work should not take more than 15 hours of college work per semester.
2. Students working 20 hours or more per week who do not show satisfactory progress on their mid-term grade reports may be required to reduce their work schedule or their course load.

DROPPING COURSES

A student is not permitted to withdraw from (drop) a course after the last day for dropping (see academic calendar), without receiving a grade of "F," except for very unusual reasons. Evaluation by the Vice President for Academic Affairs is required before permission for late withdrawal can be granted.

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

Instructions and forms for dropping courses may be obtained in the Office of Academic Records.

ORDER OF TAKING COURSES

A student is expected to take required courses at the earliest opportunity.

The Liberal Arts Foundation requirements, in particular, are designed to provide a broad liberal arts background for the rest of the student's university experience and should be completed in the Freshman and Sophomore years. Exceptions to this should be rare and should be limited to students who transfer from other schools after their sophomore year.

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 Vice President for Academic Affairs.

REPEATING COURSES

A grade of "F" earned at Grand Canyon University may be removed only by repeating the course at Grand Canyon University.

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.

It is the student's responsibility to file a Repeat Form in the Office of Academic Records. This form must be filed at registration or during the semester in which the course is repeated.

SPECIAL STUDY COURSES

Certain course numbers have been reserved for special study courses which instructional departments of the University wish to approve. These fall into three categories:

INDEPENDENT STUDY

Department/College number 499 (undergraduate) or Department/College number 599/699 (graduate) is assigned to these classes. Research, seminars, or readings on a special topic to be selected by the student and the faculty advisor are appropriate. This type of course may be taken for one, two, three or four hours, depending upon the amount of time and work involved and may be repeated for up to four hours total credit per subject area unless specified otherwise in requirements for a major. Independent Study is reserved for Junior and Senior students with a grade point average of at least 3.00, with approval of the dean/department chairperson, instructor, and the Vice President for Academic Affairs.

PRACTICUM

Numbered 399 in each department/college (except the College of Nursing and the College of Education) 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 Junior and Senior students with at least a 2.00 GPA and may be taken any semester with approval of faculty advisor, dean/department chairperson, and the Vice President for Academic Affairs. The Internship numbers in the Master of Arts and Master of Education programs are EDU 580/680, RDG 680, ESL 680.

READING AND CONFERENCE

Any course listed in the catalog may be taken by reading and conference with the instructor, with approval of the dean/department chairperson and the Vice President for Academic Affairs. The student must have a legitimate reason for seeking course credit through reading and conference. Students may not be permitted to receive credit for more than two courses by this method. A minimum GPA of 2.00 is required.

PROCEDURES

Students should:

1. Obtain proper special study form from the Office of Academic Records (the Office of Academic Records keeps the records which indicate whether a student is eligible for a special study).
2. Complete required special study form in conference with the instructor.

3. Obtain proper signatures.
4. File completed form with the Office of Academic Records no later than one week after the last day to register for credit for that semester (see Academic Calendar). A student is not officially registered for a special study course until the completed form has been filed with the Office of Academic Records. It is recommended that this procedure be completed prior to registration.

WITHDRAWING FROM COURSES

To withdraw officially from all courses a student must secure a Complete Withdrawal form from the Office of Academic Records and obtain all signatures indicated on the form. A student who officially withdraws from all courses at any time during a semester receives a grade of "W." An unofficial withdrawal results automatically in a grade of "F." A student withdrawing from some but not all courses must do so before the date specified in the Academic Calendar (see Dropping Courses, page 30).

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 undergraduate graduation.

Credit for college-level seminary extension courses may be transferred to Grand Canyon University under certain conditions. Students planning eventual transfer of these courses should secure approval from the Chairperson of the Department of Christian Studies 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 Office of Academic Records prior to enrollment in the final semester before graduation. Such work done at any time by a student while enrolled in Grand Canyon University must meet all of the criteria for concurrent enrollment.

ELIGIBILITY FOR ACTIVITIES

Any student may participate in extracurricular activities provided by the University except as restricted by regulations established for campus organizations and intercollegiate activities.

EXAMINATIONS AT OTHER THAN SCHEDULED TIMES

Under certain conditions students may be permitted to take a major examination after the time it was given to the class. In such cases students must satisfactorily account to the instructor for their absence on the exam day and must present a receipt from the Business Office showing payment of the necessary fee.

Under other conditions students may wish to take the exam earlier than it is scheduled. The instructor may refer students to the Dean of the relevant College for determination of appropriateness.

GRADE REQUIREMENTS

For graduation, undergraduate 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 University. At least 45 hours must be upper division credit.

Graduate students must maintain a minimum grade point average of 3.00 for graduation.

The regulation concerning grades on college work taken elsewhere is given on page 14.

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 grade point 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 University.

GRADING SYSTEM

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

- A Superior; extraordinary scholarship; outstanding performance
- B Far above average; unusually good work
- C Average; standard performance; acceptable college work
- D Passing; but below standard
- F Failure or unauthorized withdrawal
- I Incomplete (see page 32)
- W Authorized withdrawal; no credit
- Cr Credit given, but no grade or quality points
- S Satisfactory completion of audit or non-credit course
- U Additional work needed to meet requirements in non-credit or non-grade course
- NR Not reported by instructor
- IP Course currently in progress

ADMINISTRATIVE WITHDRAWAL

University professors are to provide students with a written attendance policy. If a student fails to comply with a stated attendance policy, the professor may administratively withdraw the student from the course. (See page 28 for more information.)

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. Appeals for grade changes must be made within one year of the time the grade was assigned.

AUDIT GRADE

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

AVERAGING OF GRADES

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

CHANGE OF GRADE

Final grades normally 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. (If the instructor is no longer at the University, the student should consult with the Dean of the College in which the course was offered.)

CREDIT GRADE

Certain courses earn credit toward fulfilling 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.

INCOMPLETE GRADE

An incomplete grade will be given at the end of the semester or term only when seriously extenuating circumstances prevent a student from completing course requirements before the close of the grading period. The instructor must file a written explanation for assigning an incomplete grade and a statement of what the student must do to complete the course requirements. When a grade of "I" is given, the student must complete all necessary work within the following semester. Incompletes earned in the Fall semester are to be completed by the date set by the instructor and no later than April 15. Incompletes earned in the Spring semester and Summer terms are to be completed by the date set by the instructor and no later than December 1. (Exceptions may be granted at the request of the instructor when the student is required to attend all class sessions and take the final examination with the current semester's class.) Failure to complete the required work within the specified time will result in the grade being changed to an "F". Neither the "I" nor the "F" can be changed to a "W" at a later date.

WITHDRAWAL GRADE

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

STANDARDS OF ACADEMICS

ACADEMIC HONORS

Freshman Honor Roll

At the close of each semester, grade point averages for freshman students carrying 12 or more semester hours with a minimum of eight (8) semester hours of graded courses are calculated to determine eligibility for this honor. Those freshman students whose semester grade point average is 3.00 or above qualify for the Freshman Honor Roll.

Sophomore Honor Roll

At the close of each semester, grade point averages for sophomore students carrying 12 or more semester hours with a minimum of eight (8) semester hours of graded courses are calculated to determine eligibility for this honor. Those sophomore students whose semester grade point average is 3.25 or above qualify for the Sophomore Honor Roll.

Dean's List

At the close of each semester, grade point averages for all undergraduate students carrying 12 or more semester hours with a minimum of eight (8) semester hours of graded courses are calculated to determine eligibility for this honor.

Those students whose semester grade point average is 3.50 or above qualify for the Dean's List. (Note: The Dean's List recognition supersedes Freshman and Sophomore Honor Roll recognitions.)

An undergraduate 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 class fees or any University fees.

Junior Marshals

Special recognition is given to the two juniors with the highest grade point average 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.

Ray-Maben Scholars

This recognition represents the highest scholarship honor awarded by Grand Canyon University. Criteria are established by the faculty and the honor is bestowed each year at graduation. The criteria consists of a cumulative and Grand Canyon grade point average of at least 3.90, with no more than 12 transferrable semester hours.

Graduation With Honors

Undergraduate students who have earned at least 60 hours at Grand Canyon University 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*.

Second degree and graduate students are not eligible for honors.

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 University and on all college work attempted. Transfer students may not graduate with an honor higher than that to which their GPA at Grand Canyon University would qualify them.

OTHER HONORS

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 3.00 grade point average must be attained to be the recipient.

Wall Street Journal Award

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

Who's Who Among Students in American Colleges and Universities

This honor recognizes, each year, approximately 15 seniors with outstanding records of campus activities, citizenship, and promise of future success and usefulness in society. Nominees must have a cumulative and Grand Canyon grade point average of at least 3.00 and have attended for at least two semesters as a full-time student. Selections are made by the faculty and student body.

HONORS DAY

Each year a day is designated for a special assembly and other appropriate activities to recognize the achievements of students who have won distinction in academic pursuits or in student leadership. Primarily included in the recognitions are students in one or more of the following categories: Ray-Maben Scholars, Junior Marshals, students on the Dean's List and students named for the current year in *Who's Who Among Students in American Colleges and Universities*.

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

ACADEMIC PROBATION

Undergraduate students whose cumulative grade point average on 12 or more hours attempted at Grand Canyon University drops below 2.00 are placed on academic probation.

Probationary status is removed when the undergraduate student earns a cumulative grade point average of 2.00 or above on all work attempted at Grand Canyon University.

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

An undergraduate student on probation is not classified as a senior scheduled for graduation (see page 36).

Once admitted into the graduate field of study, a graduate student whose cumulative grade point average drops below 2.80 is placed on academic probation.

Academic probation may affect financial aid and eligibility for and participation in extra-curricular activities. See the Financial Aid section of this catalog and the Student Handbook/University Calendar.

ACADEMIC SUSPENSION

An undergraduate student who has attempted 24 hours in residence at the University 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 to the Vice President for Academic Affairs for reinstatement. A student subject to academic suspension for the third time is normally given final dismissal.

A student reinstated after an academic suspension is admitted with specification (see Admission with Specification, pages 10, 13).

Once admitted into the graduate field of study, a graduate student will normally be suspended at the end of a semester in which his cumulative grade point average falls below 2.50.

A graduate student, admitted into a Master's program, should contact the relevant College for the procedure to appeal academic suspension.

(Note that the academic standards for receiving financial aid are stricter (higher) than the general academic standards in that they require a 2.00 GPA regardless of the student's year in school. See Financial Aid section of catalog.)

CONDITIONAL STATUS

Undergraduate transfer students admitted with less than a "C"

average, or those reinstated after academic suspension, are admitted with specification. Persons thus admitted retain probationary status until they have earned a cumulative grade point average of 2.00 at Grand Canyon University.

STUDENT RECORDS

Annually, Grand Canyon University informs students of the Family Educational Rights and Privacy Act of 1974. This Act, with which the institution wishes to comply fully, was designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act office (FERPA) concerning alleged failures by the institution to comply with this Act.

Local policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Office of Academic Records.

The Office of Academic Records maintains a Directory of Records which lists all educational records maintained on students by this institution.

Questions concerning the Family Educational Rights and Privacy Act may be referred to the Office of Academic Records.

Graduation Requirement

Preface

PREFACE

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This section of the catalog contains academic policies and procedures to ensure fair, consistent, and efficient treatment of students enrolled at Grand Canyon University. We realize that circumstances and situations sometimes arise which make the application of these policies impossible or inequitable. Throughout the catalog there appear statements referring the student to certain offices or committees to request exceptions to or waiver of certain academic policies. If such information is lacking in regard to a certain policy, the Office of the Vice President for Academic Affairs can be contacted for information as to how to proceed and can serve as an appeal forum in certain cases. Certain policies are different for the College of Continuing Studies. Students should consult the Dean of that College for details.

DEGREES OFFERED

The University offers curricula leading to the degrees of Master of Arts in Education, Master of Education, Master of Business Administration, Bachelor of Arts, Bachelor of Business Administration, Bachelor of Liberal Studies, Bachelor of Music, Bachelor of Science, and the Bachelor of Science in Nursing.

The **Master of Arts in Education** is granted to practicing elementary and secondary teachers in a specialized field of study.

Curriculum and Instruction
Elementary Education
Reading Education
Secondary Education
Teaching English as a Second Language
Urban Education

Contact the College of Education for further information regarding other fields of specialization.

Master of Arts degrees are offered to other professionals who are not practicing K-12 classroom teachers.

Teaching English as a Second Language
Urban Education

The **Master of Education** is granted to those students who have completed a bachelor's degree from a regionally accredited institution and are seeking certification at the elementary or secondary level. An advanced program of study is included in that preparation or can be obtained after certification requirements are completed.

Elementary Education
Secondary Education

Master of Education degrees are offered to other professionals who are not practicing K-12 classroom teachers.

The **Master of Business Administration** is granted to those students who have completed a bachelor's degree from a regionally accredited institution and are seeking an evening MBA program. The program is designed for completion in two years if all prerequisites have been met prior to enrollment.

The **Bachelor of Arts** degree is granted to majors in the following areas:

Applied Music (Music Performance)
Art Education (No minor required)
Biblical/Theological Studies
Christian Education
Communications (No minor required)
Creative Arts in Worship (No minor required)
English Literature
English Teaching
Fine Arts Management (No minor required)
Graphic Design (No minor required)
History
International Studies
Social Sciences
Speech/Theatre
Studio Art (No minor required)
Theatre/Drama

The **Bachelor of Business Administration** degree is granted to majors in the following areas:

Accounting (No minor required)
Finance (No minor required)
International Business (No minor required)
Management (No minor required)
Marketing (No minor required)

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

The **Bachelor of Music** degree is the initial collegiate degree in music designed for those students who seek a career as professional performers or teachers.

Church Music (No minor required)
Piano Performance (No minor required)
Vocal Performance (No minor required)

The **Bachelor of Science** degree is granted to majors in the following areas:

Allied Health (No minor required)

Applied Management (No minor required)
 Athletic Training
 Biology (Environmental - No minor required)
 Biology (General)
 Biology (Human - No minor required)
 Biology (Secondary Teaching)
 Chemistry
 Chemistry (Secondary Teaching)
 Corporate Fitness and Wellness
 Elementary Education
 Justice Studies (No minor required)
 Martial Arts (No minor required)
 Mathematics
 Mathematics (Engineering)
 Mathematics (Secondary Teaching)
 Music Education (No minor required)
 Physical Education (Teaching)
 Physical Science
 Physics (Secondary Teaching)
 Psychology
 Recreation
 Science for Elementary Teachers (No minor required)
 Sociology
 Special Education - Emotionally Handicapped
 Special Education - Learning Disabilities
 Speech Teaching

The Bachelor of Science in Nursing is granted to majors in nursing (no minor required).

MINORS OFFERED

Athletic Coaching
 Behavioral Sciences
 Biology
 Biophysical Science
 Business
 Chaplaincy
 Chemistry
 Christian Studies
 English
 Exercise Science
 Fire Science
 German
 Health Education
 History
 Humanities
 Justice Studies
 Leadership Studies
 Martial Arts
 Mathematics
 Music
 Philosophy
 Physical Education
 Physics
 Political Science
 Pre-Law
 Psychology
 Recreation
 Science Teaching
 Social Sciences
 Sociology
 Spanish
 Speech
 Studio Art
 Theatre
 Writing

CHOICE OF CATALOG

Department, College, and University requirements may change and often are upgraded. In determining graduation requirements, a student may use only one catalog.

1. A candidate for a degree from Grand Canyon University may elect to meet the requirements for graduation as outlined in the catalog in effect at the time of his/her original matriculation or those of any subsequent catalog, provided the student has remained in continuous enrollment at Grand Canyon. Continuous enrollment is defined as enrollment in every Fall and Spring semester; enrollment in the Summer session is not relevant for the purposes of catalog choice.
2. A student who has been readmitted after a period of nonattendance, or after attending an institution other than Grand Canyon University (including an Arizona community college), will graduate under the requirements for graduation as stated in the catalog at the time of readmission. This provision applies whether the period of nonattendance at Grand Canyon University was voluntary or due to academic suspension.
3. Students who complete one degree program and then wish to pursue a second degree do not necessarily do so under the same catalog as their first degree. These students must meet the catalog requirements in effect at the time they begin work toward the second degree, even if they have remained in continuous enrollment.
4. Students who transfer directly to Grand Canyon University from an Arizona Community College will be permitted to follow the degree requirements specified in the Grand Canyon University Catalog in effect at the time they were initially enrolled in an Arizona Community College, providing their college attendance has been continuous and they remain continuously enrolled at Grand Canyon University after transferring. (Such a student may instead elect to graduate under any subsequent catalog issued while the student is in continuous enrollment.)

Inquiries about these policies may be directed to the Office of Academic Records.

CURRICULAR REQUIREMENTS FOR GRADUATION

The completion of the required 128 semester hours for a baccalaureate degree usually requires four years of 32 semester hours each. The freshman and sophomore years are spent in general or introductory courses in diversified liberal arts areas. During the remaining two years, the student may concentrate in the field of major interest. The work for the entire four year program consists of (1) U.L.A.F., (2) Major and Minor Subjects and (3) Elective Courses.

COURSE SCHEDULING

The University attempts to schedule courses with sufficient frequency to allow students to meet graduation requirements within a reasonable amount of time. (For instance, some courses may be offered every other year while others may be offered every Fall or every Spring.) This places the responsibility on the student to plan sufficiently far ahead to take courses when they are offered. The University reserves the right to cancel any scheduled class due to insufficient enrollment. In no case would the University allow this action on its part to be the sole cause of a student not being able to graduate on schedule. When a course cancellation causes scheduling difficulties, the student should consult with his/her academic advisor or the dean of the college which offers the course to obtain an option or options for remedying the situation.

ELECTIVE COURSES

A student may elect to take courses from the curriculum offered in each College in addition to the courses which may be required in his/her major area.

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

GENERAL REQUIREMENTS FOR GRADUATION

Undergraduate students who have earned at least 90 credit hours must file an "Intent to Graduate" form with the Office of Academic Records.

Graduate students must file an Intent to Graduate form with the Office of Academic Records at least one semester prior to their anticipated graduation date.

Intent to Graduate forms may be obtained from the Office of Academic Records.

A non-refundable graduation fee must be paid in the Business Office before returning the completed form to the Office of Academic Records. Once the completed Statement of Intent to Graduate has been filed in the Office of Academic Records, an official check of remaining degree requirements will be provided.

COMMENCEMENT EXERCISES

Academic Regalia

Degree candidates participating in the commencement exercises are required to wear the prescribed academic regalia, which may be obtained through the University Bookstore.

Attendance

A candidate for graduation is expected to attend public commencement exercises which are held annually in December and May. In extreme hardship cases a student may be excused, but only when a written request is approved by the Vice President for Academic Affairs. Graduate students must complete their entire program prior to being permitted attendance at commencement and any of the associated activities unless prior approval has been given by the appropriate College Dean.

Eligibility to Participate in Commencement

Prospective graduates who have filed an Intent to Graduate form with the Office of Academic Records at least one semester in advance of their anticipated graduation date will be invited to participate in the December Commencement Exercises if completing requirements in the Fall semester or in the May Commencement Exercises if completing requirements in the Spring semester. Students planning to complete requirements in the Summer Terms must file a written plan with the Office of Academic Records prior to March 15 accounting for all outstanding requirements. Once the plan has been approved by the Office of Academic Records, the student may participate in the May Commencement Exercises. Summer graduates with more than 12 hours to complete in the Summer Term will not be allowed to participate in the May Commencement Exercises unless prior approval has been obtained from the Office of Academic Records and the Academic Affairs Committee.

GRADE REQUIREMENTS FOR GRADUATION

1. Undergraduate: To graduate at the end of a given semester, an undergraduate student must have a 2.00 grade point average (C) at the beginning of that final semester.
2. Graduate: To graduate at the end of a given semester, a graduate student must have a 3.00 grade point average (B) at the beginning of that semester.

CORRESPONDENCE AND EXTENSION CREDIT

Record of all correspondence and extension work transferred from another institution must be filed with the Office of Academic Records prior to enrollment in the final semester before graduation. (See page 31 for additional information concerning correspondence and extension credit.)

MINIMUM RESIDENCE

For undergraduate students, at least 30 semester hours, including the 12 semester hours immediately preceding graduation, must be completed at Grand Canyon University.

Undergraduate students are required to complete at least 21 semester hours in their major subject, 15 of which must be Upper Division hours, at Grand Canyon. In addition, undergraduate students are required to complete at least nine semester hours in their minor subject, three of which must be Upper Division, at Grand Canyon. Students pursuing majors that do not require a minor must take 30 semester hours in their major subject, 18 of which must be Upper Division, at Grand Canyon.

Graduate students in the Master of Education degree program with an elementary education specialization must take 35 semester hours, and those specializing in secondary education must take 30 semester hours, including the 12 semester hours immediately preceding graduation, at Grand Canyon.

Graduate students in the Master of Arts in Education degree program must take 22 semester hours, including the 12 semester hours immediately preceding graduation, at Grand Canyon.

Graduate students in the Master of Business Administration degree program must take 24 semester hours, including the 12 semester hours immediately preceding graduation, at Grand Canyon.

TOTAL HOURS

The total number of semester hours for a Master of Arts in Education degree is not to exceed 38. Refer to the College of Education for specific programs of study.

Total number of semester hours for a Master of Education degree is not to exceed 60. Refer to the College of Education for specific courses.

The minimum number of semester hours required for a baccalaureate degree is 128 with a minimum grade point average of 2.00, indicating an average of "C," on all coursework taken at Grand Canyon University.

MAJOR GRADE POINT AVERAGE

Undergraduate students must also have at least a "C" average (2.00) in their majors and are not permitted to count any course with a grade below "C" toward their majors. Higher grade point averages are required by specific departments/colleges.

Graduate students must maintain a 3.00 grade point average.

UPPER DIVISION REQUIREMENT

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

UNIVERSITY LIBERAL ARTS FOUNDATION

Grand Canyon University was founded as a liberal arts college more than 45 years ago and proudly retains that heritage even though

the institution has undergone extensive changes over the intervening years. Now a burgeoning University with multiple professional and applied degree programs complementing its traditional liberal arts and sciences curriculum, Grand Canyon continues to maintain that core of liberal arts knowledge and the integrative ability potentially inherent in that core remains the best preparation for a productive and satisfying life in today's world. Included among the goals of such a foundation would be the ability to think critically, solve problems, communicate effectively, acquire an understanding and appreciation of one's culture and those of other peoples and times, and to sample broadly the major areas of learning in the traditional liberal arts and sciences. With its Christian heritage and perspective, Grand Canyon also seeks to provide its students with an exposure to the basic history and beliefs of the Christian church, an institution central to the development of Western civilization, the cultural tradition of which we are a part. To this foundation of liberal arts understanding, knowledge, and abilities, the University adds its concern for the physical well being of its students and its concern that students be exposed to at least one of the tools of the technological age in which they will live. These areas, taken as a whole, comprise the **University Liberal Arts Foundation (U.L.A.F.)**.

The **University Liberal Arts Foundation** was developed to reflect the philosophy described in the previous paragraph and the mission of the University. The faculty of Grand Canyon has selected some specific courses and groups of courses which it believes will accomplish the goals of the University Liberal Arts Foundation. These are listed below.

While the courses and areas of learning outlined below apply to all undergraduate students at the University, the faculty also realizes that some courses may accomplish the goals of a liberal arts education and at the same time prepare a student for the demands of a particular major or an anticipated career. With that in mind, the faculty of each College has selected certain courses within the U.L.A.F. which, in their experience, best prepare the student for the more specialized courses in a particular field of study. In some cases, accrediting organizations or professional licensing organizations have also designated certain courses as mandatory in order to receive that accreditation, certification, or licensure. With this in mind, students are advised to consider the requirements of a particular College when deciding on courses to take to meet the U.L.A.F. requirements. Further details may be found in the section of the catalog devoted to each College. In addition, each College has prepared a side-by-side comparison of the University Liberal Arts Foundation requirements and its list of prerequisites for the majors in that College. Students are invited to request this comparison from their academic advisor.

UNIVERSITY LIBERAL ARTS FOUNDATION

- I. Biblical Understanding:** 6 hours
BIB 101 or BIB 113 Old Testament Survey/History (3) and
BIB 102 or BIB 123 New Testament Survey/History (3)
OR
One of the above courses (3) and
UNV 204 Faith and Living: Issues in the 21st Century (3)
- II. Written Communication:** 3 - 6 hours
Pass the Writing Proficiency Examination and
ENG 101 Academic Writing (3) and
ENG 102 Research Writing (3)
OR
ENG 103 Honors English (3)*

- III. Fine Arts:** 3 hours
Art, Music, or Theatre
(See requirements of a specific College for guidance.)
- IV. Social Sciences and Humanities:** 9 hours
HIS — History (3)
Two courses (6 hours) from:
Sociology, Psychology, Economics,
Political Science, Philosophy,
Geography, Literature, or
Foreign Languages.
(See requirements of a specific College for guidance.)
- V. Science and Healthful Living:** 6 hours
Choose from laboratory sciences
(Biology, Chemistry, Physics,
Geology), Health,
or Physical Education.
(See requirements of a specific College for guidance.)
- VI. Mathematics:** 3 hours
Choose from Mathematics courses
or Statistics courses
(See requirements of a Specific College for guidance.)
- VII. Computer Applications:** 1 hour
Choose from courses with the CAM prefix.
(See requirements of a specific College for guidance.)

Total U.L.A.F. requirements: at least 31 - 34 hours

- * Students whose WPE score places them into ENG 103 - Honors Composition, will meet the U.L.A.F. requirements for Written Communication by passing ENG 103.

The University has always accepted comparable courses from other regionally accredited institutions which, in the judgment of the faculty, meet the intent of requirements as specified. The faculty teaching a specific discipline will be consulted when the Office of Academic Records cannot establish whether or not a particular transferred course is substantially similar to a U.L.A.F. requirement.

BACHELOR DEGREE CANDIDATES — SUGGESTED PROGRAM OF STUDY

The following program of study for a beginning student will meet many of the University Liberal Arts Foundation requirements and will prepare the student to move onto a specific College's Prescribed Liberal Arts Foundation requirements during the student's second and subsequent years. This emphasizes the importance of choosing a major (and a minor, in most cases) field of study during the first year. Students who remain uncertain of their major should consider career exploration with the University's Student Development staff. Careful comparison of the Prescribed Liberal Arts Foundation of several Colleges may reveal some additional coursework which is common to several majors being considered by the student.

Students who have already decided on a major are directed to the catalog section for the College which offered their selected major.

First Semester:

- UNV 101 * (1)
- BIB 101 (3)
- ENG 101 ** (3)
- HIS 103 (3)
- TRE 120, ARH 100, or MUS 252
or a Foreign Language (3) (or 4)
- PED — (Activity course) (1)
- CAM — (Computer Application) (1)

Second Semester:

BIB 102	or UNV 204 (3)
ENG 102	(3)
PSY 101	or continue a Foreign Language (3) (or 4)
PHY/ CHM/ BIO	(Laboratory Science) (4)
Phy 101 is recommended for students who have not had a physical science course in high school.)	
PED —	(Activity Course) (1)
CAM —	(Computer Application) (1)

15 (or 16)

* This course is not required as part of the University Liberal Arts Foundation Requirements but has been found to be of practical value to most students. UNV 101 is known as *University Success* and is intended to orient the student who is new to Grand Canyon University and provide valuable information and skills for such students. It also contains a significant career exploration emphasis for students who are unsure of their future direction.

** Some students may initially be placed in a different course as the result of their performance on the Writing Proficiency Examination. That placement should be followed and ENG 101 and ENG 102 postponed until the WPE is mastered.

Sophomore Year:

	Fall	Spring
Social Science	3	3
Humanities		3
Lab Science	4	
PE. Activity		1
Math/Science		3
Major, Minor, Electives	9	6
	16	16

Junior Year:

	Fall	Spring
Major, Minor, Electives	16	16
	16	16

Senior Year:

	Fall	Spring
Major, Minor, Electives	16	16
	16	16

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

BACHELOR OF LIBERAL STUDIES (B.L.S.) — DEGREE REQUIREMENTS

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

University Liberal Arts Foundation	34 hours
Electives	94 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 area will be acceptable toward the degree. (ACC, BUS, ECN, FIN, MGT, and MKT are all considered to be in the same academic area.)

Course prerequisites, as stated in the catalog, will be observed.

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

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

The student must satisfy the minimum residence requirement of at least 30 hours, 18 of which must be Upper Division.

Special Conditions

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

MAJOR AND MINOR SUBJECTS

By the beginning of their junior year undergraduate students are required to select one subject area, to be known as their major, in which they must present at least 30 semester hours of acceptable credit. In certain areas of study the number of hours required for a major exceeds 30. In any case, at least 15 hours must be Upper Division. Students must also have a 2.00 grade point average in their major and are not permitted to count in the major any course with a grade below "C." A candidate for a secondary teaching certificate must have a "C+" (2.50) average, or above in the teaching major.

With few exceptions, undergraduate students must also select a different subject area, to be known as the minor, in which they must present 18 hours of acceptable credit. See pages 34-35 for these exceptions. Of these 18 hours, six must be from Upper Division courses.

Students who want certification to teach their minor subject area should earn 24 hours in that field. Students should refer to the current College of Education Handbook for details.

A student may elect to complete a second major in lieu of a minor. A student who chooses to complete two majors will earn only one baccalaureate degree. (If two baccalaureate degrees are sought, see DOUBLE DEGREE policies.)

No course may count toward hours required for the completion of both major and minor, or both majors if pursuing a second major in lieu of a minor.

Transfer students should consult the paragraph concerning minimum residence (see page 36).

* SECOND DEGREE

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

1. Meeting the admission criteria for that degree.
2. Filing an Intent to Graduate form with the Office of Academic Records for the degree sought.
3. Meeting U.L.A.F. requirements for Biblical Understanding and Written Communication, all degree prerequisites and requirements, and all other University requirements for the second degree. (Second degree Students are exempt from taking the Writing Proficiency Examination.)
4. Selecting a major in a field not used as a major for the previous degree. (See specific major for number of hours required.)
5. Completing a minimum of 30 additional credit hours in the

major area at Grand Canyon University (36 for those who have not met the 6 hour requirement in Bible) after the conferral of the previous baccalaureate degree(s).

NOTE: Second Degree students do not qualify for honors at graduation.

*** DOUBLE DEGREE**

A student wishing to pursue two degrees simultaneously from Grand Canyon University must meet the following requirements:

1. Obtain permission from the Office of Academic Records and the Dean(s) of the College(s) under which the degrees are offered.
2. File an Intent to Graduate form with the Office of Academic Records for each degree sought.
3. Meet the U.L.A.F. requirements, all degree prerequisites and requirements, and all other University requirements for each degree sought.
4. The two degrees must be different (i.e.: B.A. and B.S. or B.S. and B.S.N.).
5. Complete a minimum of 30 credit hours at Grand Canyon University beyond the requirements for the first degree (i.e., a minimum of 158 credit hours if the requirements for the first degree were completed after 128 hours).
6. Complete the requirements for both degrees before being granted either degree.

NOTE: Double Degree students may only earn honors on first degree.

* *The above policies regarding Second Degrees and Double Degrees supercede the policies in previous catalogs.*

University Special Programs

Preface

PREFACE

Academic Tutoring

Center for International
EducationCoalition of Christian
Colleges and Universities

E.A.S.E. Program

Faith and Living

Honors Program

Reserve Officer
Training CorpsUniversity Success
Program

Course Descriptions

While the University is organized into several Colleges, there are some academic programs which fall outside the subject matter taught in any of the Colleges and other programs which cross over the boundaries of two or more Colleges. Some of these programs offer specific courses, others offer services or educational experiences to specific groups of students. Some programs are totally staffed and operated within the University. Others involve relationships with other colleges, universities, organizations, or countries. All are designed to better allow the University to accomplish its mission.

ACADEMIC TUTORING

In an effort to offer academic support to any student attending Grand Canyon University, the services of trained tutors are made available on a limited basis. The tutors, in addition to having strong skills in their particular academic disciplines, are also trained in test-taking techniques, study skills, time management and interpersonal relationship skills. A small fee is charged.

CENTER FOR INTERNATIONAL EDUCATION

Grand Canyon University is committed to education which helps citizens expand their world view and deepen their understanding of the peoples of the world. Study-abroad programs operate under the idea that firsthand knowledge of other peoples and their cultures builds international awareness, creates concern for God's human creation and contributes to a more just and peaceful world.

Since 1983, approximately 700 of Grand Canyon University's students, faculty, and staff have traveled to over 35 countries to teach, minister or study. The Center for International Education was established in 1986 to enhance and increase study-abroad programs.

The Center for International Education offers a variety of experiential education programs which examine the problems of cross-cultural communications and the dynamics of demonstrating Christ's love to the world. Academic programs include participating in mission projects, teaching English in a Third World country, studying abroad at a foreign university or gaining practical experience with an international business. A unique feature of this program is that it provides participants with opportunities to meet important leaders in other countries as well as communicate with the poor and needy of the world. It strives to help students understand the real people of other countries, to re-evaluate their own beliefs, and to affirm the beliefs that are important to them.

Students interested in international learning should contact the Center for International Education.

ONGOING PROGRAMS

Brazil — A ten-year agreement to assist churches in and around Presidente Prudente, Sao Paulo, Brazil, takes 30 - 40

people there for two weeks each summer. Any student is eligible to take part in this ministry. The College of Business also has an exchange program with a business university in northeastern Brazil.

China — Grand Canyon University has relationships in China with the Guangxi Education Commission making all the institutions within the Guangxi Region available to students. In far northwest China, Xinjiang Agriculture University receives ten students each summer. These students teach English as Second Language for one month. Students are required to take a class in methods of teaching ESL and may receive practicum credit as well.

France — An exchange agreement with a University in Lille, France, enables business students to study there. Proficiency in French is required.

Germany — Grand Canyon University's German-language students may accompany their instructor to the University of Heidelberg Sprachlabor to enhance their German language training.

Hungary — Each summer students from Grand Canyon teach English as a Second Language at Eszterhazy Karoly Teacher Training College. Several of the Hungarian students then come to campus to experience the American culture and language.

Israel — Grand Canyon University is a member of a consortium of more than 100 schools who send students to study at the Institute of Holy Land Studies located on Mt. Zion. Programs exist for two to three weeks in the summer or for a semester or full year.

Japan — Aichi Women's College sends a group of students to Grand Canyon's campus each January. A student exchange agreement exists between the Nagoya International University and Grand Canyon University.

Kazakhstan — A relationship exists with the Kazakh Ministry of Education allowing Grand Canyon University students to study at any of the universities in this second largest republic of the Commonwealth of Independent States. Kazakh students come to Grand Canyon University's campus under this exchange program.

Lithuania — Teaching English as a Second Language is the focus of a summer program in Vilnius, Lithuania.

Mexico — A relationship with the Universidad Kino in Phoenix's sister city of Hermosillo offers students the opportunity to study Spanish or business for a summer, semester, or year. Students may add a service component to this program by working in an orphanage school on the campus of Universidad Kino.

United Kingdom — Two programs are in effect in the United Kingdom, one in the business area and one in education. Business students exchange with students at Staffordshire University in Stoke-on-Kent for a semester or a year. Education students may take master's level courses at Brighton University in a summer program.

COALITION OF CHRISTIAN COLLEGES AND UNIVERSITIES

The Coalition of Christian Colleges and Universities (C.C.C.U.) offers and coordinates several programs for which Grand Canyon University students who are Juniors or Seniors and have a grade point average of at least 2.75 are eligible to apply. Students who have previously attended these programs have returned to campus to report that these have been life-changing experiences. These programs are all based on the idea of integrating one's personal faith with the experience of learning through real-life experience in internships or service opportunities, a study program, and living in a small Christian community. Preference is given to early applicants and applications may be obtained from the Office of the Vice President for Academic Affairs. Final admission to any of the programs is the decision of the C.C.C.U.

Applicants typically enroll at Grand Canyon University for 15 semester hours in a "holding" course such as UNV 300 to retain their enrollment and eligibility for financial aid. Upon successful completion of the semester, the specific credit for the experience replaces the holding course. Students needing credit for particular courses in their major field should confer with their major advisor well in advance of leaving campus and work with Grand Canyon University's Office of Academic Records to assure the applicability of C.C.C.U. coursework to Grand Canyon's requirements. The C.C.C.U. sets the charges for the programs and bills Grand Canyon University. The student is responsible for the payment of these charges to Grand Canyon University. Most financial aid programs for which a student is otherwise eligible will also be applicable to these programs as they are official university courses.

THE AMERICAN STUDIES PROGRAM

The American Studies Program (ASP) is a semester-long internship/seminar program for Juniors and Seniors in most majors. Located in Washington, D.C., the program offers a non-traditional, interdisciplinary, issue-oriented learning experience. Students gain on-the-job experience through an internship in the field of their choice and study current national and international issues in seminars led by Washington policy experts. The ASP serves as Grand Canyon's Washington campus and students may earn up to 16 semester hours toward their degree. By exploring public policy issues in light of biblical truth and working in internships which help prepare them for a future in the marketplace, students gain insight and experience that can strengthen their ability to live and work in a biblically faithful way in society in their chosen field. Components of this program include:

- Foundations for Public Involvement and Policy Analysis
- Domestic Policy *
- International Policy *
- Internship/Practicum

* One unit of study each semester looks at an economic issue in either domestic or international policy.

LATIN AMERICAN STUDIES PROGRAM

San Jose, Costa Rica is the setting for the C.C.C.U.'s Latin American Studies Program (LASP). This semester abroad is designed for students who are seeking to integrate their faith with knowledge and experience in a third world context. LASP students typically earn 16 semester hours toward their degree. Some prior knowledge of Spanish is helpful but the early weeks of the semester are spent in intensive language study. Students live with Central American families, engage in language classes and seminar courses, work on rural service projects, and travel in Central America. Each Spring semester, LASP also offers a specialized track for science majors entitled "Tropical Science and Global Sustainability/Environmental Studies." Participating natural science students branch off from the main LASP group for six weeks to earn six of their semester hours in the natural sciences. Likewise, each Fall the LASP offers a specialized track for those students majoring in business. Entitled "International Business: Management and Marketing," this program differs from the core program by offering six semester hours structured specifically for business students. Components of this program include:

Spanish Language

Seminars:

Central American History

Faith and Practice in Latin America

Service Projects/Central American Travel

Fall Business Track:

Seminar in International Business: Management and Marketing

Internship

Central American Travel

Spring Natural Science Track:

Seminar in Tropical Science and Global

Sustainability/Environmental Studies

Field Research

Central American Travel

Students interested in this or any other international program must make arrangements through Grand Canyon University's Center for International Education well in advance of the anticipated date of study abroad.

LOS ANGELES FILM STUDIES CENTER

The Los Angeles Film Studies Center (LAFSC), located in Hollywood, is a semester-long internship/seminar for Juniors and Seniors who are interested in an introduction to the work and workings of the mainstream Hollywood film industry. Although not intended as a substitute for film school, the LAFSC curriculum is designed to expose students to the industry, to the many academic disciplines that might be appropriate to it, and to critical thinking on what it means to be a Christian in this field of endeavor. As such, the curriculum is balanced between courses of a theoretical nature and courses that offer students a more applied introduction to the work of film. Participating students may earn up to 16 semester hours which may be applied to a variety of academic programs. It is particularly important that Grand Canyon students work closely with the Dean of the College of Communications and Fine Arts to ascertain if and how these credits can apply toward a degree from this College. Due to the specialized nature of these courses, some credit may be general elective credit rather than applying to a specific major. The components of this program include:

- Inside Hollywood: The Works and Workings of the Film Industry
- Introduction to Filmmaking

Film in Culture: Exploring A Christian Perspective
on the Nature and Influence of Film
Internship

MIDDLE EAST STUDIES PROGRAM

The Middle East Studies Program (MESP) in Cairo, Egypt provides students with the opportunity to study the cultures, religions, and conflicts within this diverse and strategic region. Students from Christian colleges and universities across the United States and Canada participate in interdisciplinary seminar classes, receive Arabic language instruction, and serve as interns with various organizations in Cairo. Participants spend two weeks traveling to Israel, including time in the West Bank. Additional field trips are available for interested students. The MESP encourages evangelical Christians to relate to the Muslim work in an informed and constructive manner. Components of the semester include:

Arabic Language

Seminars:

Peoples and Cultures of the Middle East

Islam in the Modern World

Conflict and Change in the Middle East Today

Students interested in this or any other international programs must make arrangements through Grand Canyon's Center for International Education well in advance of the anticipated date of study abroad.

OXFORD SUMMER SCHOOL PROGRAM

The Oxford Summer School Program is a multi-disciplinary study of the history and development of the Renaissance and Reformation through examination of the philosophy, art, literature, science, music, politics, and religion of this era. Students have the opportunity to study with the faculty of the Centre for Medieval and Renaissance Studies and the University of Oxford. Lectures are normally held on weekday mornings, leaving the afternoons free for seminars, private study and exploration. Field trips to places of historical importance such as St. Augustine's Abbey, Canterbury Cathedral, Stratford-on-Avon, and Hampton Court provide an up-close opportunity to experience the cultural richness of England. (Unlike the other C.C.C.U. sponsored programs, credits at the Oxford Summer School Program are generated directly to the University of Oxford. Students would need to request the University of Oxford to send a transcript of the credit to the Office of Academic Records at Grand Canyon University in order for the credit to count toward a degree at Grand Canyon University.)

Students interested in this or any other international programs must make arrangements through Grand Canyon University's Center for International Education well in advance of the anticipated date of study abroad.

RUSSIAN STUDIES PROGRAM

Students attending the Russian Studies Program (RSP) spend a semester studying the language, culture and history of Russia as well as current political and economic issues. In addition, they interact with leaders in the community to develop a better understanding of contemporary Russian society and how, as Westerners, they can foster more interaction with the country. Mobility characterizes the program, with two weeks spent in Moscow and 10 weeks in Nizhni Novgorod (formerly Gorky). The final three weeks in St. Petersburg allows students to live with a Russian family and to experience Russian culture first hand. A service project during this segment of the program gives students the opportunity to have a practical "hands on" work experience alongside Russian nationals in a wide range of professional settings. Components of the semester include:

Russian Language

Seminars:

Russian History and Culture

Post-Communist Russia in Transition

Service Project

Students interested in this or any other international programs must make arrangements through Grand Canyon University's Center for International Education well in advance of the anticipated date of study abroad.

EASE PROGRAM

The English Adjustment Skills Experience Program (E.A.S.E.) offers pre-college English preparation courses for international students who have some English training but lack the necessary TOEFL score for entrance into academic programs at Grand Canyon University. The program is designed to assist international students in studying English and acquiring the skills necessary for entrance into a full academic program. The latest methods of teaching English are used, including video instruction and computer programs.

Students receive a certificate but do not earn credit hours toward a degree for this program. Interested international students should contact the Grand Canyon University Center for International Education.

FAITH AND LIVING

For centuries the Christian world view aided believers in their attempts to understand the environment, their fellow humans, and the social world where they interacted. The increasing secularization of the modern mind in recent times has led many Christians to conclude that there is a fundamental conflict between science, other academic pursuits, and the Christian faith. Thus, many Christians, isolating themselves from the forces of "modernization," divide the world into two opposing camps: the world of the mind and the world of faith.

Grand Canyon University offers an alternative for the growing Christian. In part, the growing secularization of modern society developed when Christians, fearing the impact of evolution and other "intellectual" challenges to traditional faith, withdrew from the public discourse. Grand Canyon University wants dedicated Christians to re-engage the intellectual community. It is our contention that faith and science, among others, are complementary forces that, when engaged in dialogue, create a deeper faith and a more complete understanding of the universe. If Christians are to be effective in the 21st century, we must find a way to reintegrate our thoughts and commitments into the broader cultural community.

The University offers a course, UNV 204, as part of its efforts to accomplish this task. (See page 46.)

HONORS PROGRAM

The Honors Program is designed for exceptional and academically motivated students. The Grand Canyon University Honors Program provides an integrated learning experience offering students the challenge to fulfill their intellectual and personal potential in a unique interdisciplinary curriculum.

Team-taught classes creatively combine traditional academic disciplines and encourage students to appreciate how the pieces of their world fit together. The Honors Core — four interdisciplinary courses — along with a Senior Project, helps students establish vital connections among the various areas of study.

Students will enjoy stimulating exchange and University *esprit*

resulting from class discussions and co-curricular activities. They will explore contemporary issues in ethics, the arts, economics, the environment, and other fields with fellow Honors students and professors in a shared experience that fosters group camaraderie and friendship.

Students are admitted to the Honors Program by invitation of the Honors Program Committee.

More information concerning general criteria for selection is available through the Director of the Honors Program.

RESERVE OFFICER TRAINING PROGRAMS (ROTC)

Through an agreement with Arizona State University in Tempe, Arizona, students at Grand Canyon University can take classes in ROTC. Students register for the classes at Grand Canyon University and attend the courses at Grand Canyon University or Arizona State University depending on the course(s).

The goal of the ROTC classes is to provide a foundation of military knowledge and skills needed by junior officers in the military. Students may take ROTC credit in (Army) Military Science or (Air Force) Aerospace Studies.

For Further information contact ASU Army ROTC at 965-3318 or Air Force ROTC at 965-3181.

AIR FORCE ROTC

Purpose

The Department of Aerospace Studies curriculum consists of the General Military Course and history for freshmen and sophomores (AES 101, AES 103, AES 201, AES 203) and the Professional Officer Course for juniors and seniors (AES 301, AES 303, AES 401, AES 403) and a once-a-week leadership laboratory (AES 101L, AES 103L, AES 201L, AES 203L, AES 301L, AES 303L, AES 401L, AES 403L).

General Qualifications

Men or women entering AFROTC must: (1) be a citizen of the United States (noncitizens may enroll, but must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the Professional Officer Course. Additionally, scholarship recipients must be able to fulfill commissioning requirements by age 25. If designated for flying training, the student must be able to complete all commissioning requirements prior to age 26½; other categories must be able to complete all commissioning requirements prior to age 30.

Four-Year Program (GMC and POC)

A formal application is not required for students entering the four-year program. A student may enter the program by simply registering for one of the General Military Course (GMC) classes at the same time and in the same manner as other courses. GMC students receive two semester hours of credit for each AES 100 and AES 200 class completed, a total of eight semester hours. GMC students not on AFROTC scholarship incur *no military obligation*. Each candidate for commissioning must pass an Air Force aptitude test, a physical fitness test, and a physical examination and be selected by an interview board of Air Force Officers. If selected, the student then enrolls in the Professional Officer Course (POC), the last two years of the AFROTC curriculum. Students attend a four-week field training course at an Air Force base, normally between the sophomore and junior year. Upon successful completion of the POC and the college requirements for a degree, the student is commissioned in the U. S. Air Force as a Second Lieutenant. The new officer then enters active duty or may be granted an educational delay to pursue graduate work.

Two-Year Program (POC)

The basic requirement for entry into the two-year program is that the student have two academic years of college work remaining, either at the undergraduate or graduate level. Applicants seeking enrollment in the two-year program must pass an Air Force aptitude and medical examination, and be selected by an interview board of Air Force officers. After successfully completing a six-week field training course at an Air Force base, the applicant may enroll in the Professional Officer Course in the AFROTC program. Upon completion of the POC and the college requirements for a degree, the student is commissioned.

Qualifications for Admittance

Qualifications for Admittance to the Professional Officer Course (POC) are:

1. For the four-year student, successfully complete the General Military Course, and the four-week field training course.
2. For the two-year application, complete six-week field training course.
3. Pass the Air Force Officer Qualifying Test (AFOQT).
4. Pass the Air Force physical examination.
5. Maintain the minimum grade point average required by the University.
6. Maintain PFT/1.5 Standards.

Pay and Allowances

POC members in their junior and senior years receive \$150 per month for a maximum of 20 months of Professional Officer Course attendance. Students are also paid to attend field training. In addition, uniforms, housing and meals are provided during field training at no cost to the student. Students are reimbursed for travel to and from field training.

Scholarships

AFROTC offers scholarships annually to outstanding young men and women on a nationwide competitive basis. Scholarships cover full college tuition for resident and nonresident students as well as an allowance for books, fees, supplies and equipment, plus a monthly tax-free allowance of \$150. Scholarships are available on a four- and two-year basis. To qualify for the four-year scholarship, students must be U. S. citizens and submit an application prior to December 1 of their senior year in high school. Interested students should consult their high school counselors or call AFROTC at ASU for application forms to be submitted to HQ, AFROTC, Maxwell AFB, AL 36112-6663. Students enrolled in AFROTC at Arizona State University are eligible for two-year scholarships. Those interested must apply through the Department of Aerospace Studies. 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.

Flight Screening Program (FSP)

A cadet designated to enter U. S. Air Force Undergraduate Pilot Training after graduation participates in FSP after the Junior year in college. This program trains and motivates pilot candidates.

ARMY ROTC

Purpose

The Department of Military Science curriculum consists of the basic course (MIS 101, MIS 102, MIS 201, and MIS 202) and the advanced course (MIS 301, MIS 302, MIS 401, and MIS 402). The goal of this professional education is to prepare selected students with leadership potential to be commissioned Army Officers within the national defense structure of the United States. Specific

objectives include developing the leadership and managerial potential of the students; developing students' abilities to think creatively, to speak and write effectively; providing the students with an appreciation of the requirements for national security; and developing the students' understanding of the nature and functions of the U. S. Army. Upon successful completion of the Advanced Course, qualified students will receive commissions in the United States Army Reserve or Army National Guard. Active duty positions are available upon graduation from the university on a competitive basis.

Commissions as Second Lieutenants in the Regular Army are available to outstanding students who demonstrate the highest qualities of leadership potential and academic excellence.

General Qualifications

Basic Course

Any student who is enrolled at Grand Canyon University can enter into the military science basic course. It is strongly recommended that they be in sound physical shape as some of the curriculum requires physical exertion.

Advanced Course

Any student who is enrolled at Grand Canyon University may enroll in the military science advanced course. However, to be competitive and obtain a commission in the United States Army, students must meet the following requirements:

1. Be a citizen of the United States (non-citizens may enroll but must obtain citizenship prior to commissioning);
2. Be of sound physical condition and pass the U. S. Army physical fitness test;
3. Meet the required professional military educational requirements; and
4. Be at least 17 years of age for entrance into the advanced course and be able to complete all commissioning requirements prior to age 30.

Only those students in the basic and advanced courses who meet required military regulations are eligible to receive financial assistance through the United States Army. Members of the Department of Military Science at Arizona State University are available during normal office hours to answer questions or provide counseling.

Four-Year Program

Students may enroll in Army ROTC during their freshman year. They take the basic course during the first two years, receiving a total of 12 semester hours of credit for the four semesters of study. Upon satisfying the requirements stated previously, they enter the advanced course where they will earn 12 semester hours for the four semesters of study. In addition, students will attend a six-week advanced summer camp at Ft. Lewis, Washington, between their junior and senior years. To preclude excessive course overloads, students in certain majors, especially nursing, should plan an additional semester or two and/or summer school to complete degree requirements. ROTC students must meet all of the degree requirements of the college. Upon successful completion of the advanced course and requirements for a degree, they are commissioned as Second Lieutenants in the United States Army Reserve or Army National Guard.

Two-Year Program

Students must have at least two academic years of college work remaining, either at the undergraduate or graduate level. The student must also have at least sophomore status (except for certain exceptions applicable to veterans). This program is open to all students with the exception of three- and four-year scholarship

winners. Students seeking enrollment in the two-year program should make application during the spring semester of the year in which they desire to enter the program. They must pass the ROTC Qualifying Examination and the Army physical fitness examination. After successfully completing a six-week basic camp at Fort Knox, Kentucky (conducted during June, July, and August) or completing the basic course classes during a university summer session (not always offered), students may enroll in the advanced course. Students with previous military experience or who are currently members of the National Guard or Reserves may be admitted directly into the two-year program. They then follow the same program and meet the same requirements as stated for advanced course students in the four-year program.

Qualifications for admittance to the Advanced Course are as follows:

1. Successful completion of the basic course for the student in the four-year ROTC program; for the student in the two-year program, selection for and successful completion of the six-week basic summer camp;
2. Passing the ROTC Qualifying Examination;
3. Passing the Army physical examination;
4. Attainment of the minimum cumulative GPA required for graduation in the student's selected major;
5. Attainment of at least sophomore class standing;
6. Maintenance of that minimum GPA or better as a full time student during enrollment in the advanced course.

Pay and Allowances

Each advanced course student receives one-half the pay for a second lieutenant during attendance at the six-week advanced camp. Uniforms, housing and meals are provided at camp without cost to the students, and they are reimbursed at the current mileage rate for travel to and from camp. Students who attend basic camp receive the pay of an Army recruit during attendance at basic camp as well as current mileage rate for travel to and from camp.

Scholarship Programs

The Army ROTC offers scholarship programs for outstanding young men and women who are motivated toward a career as professional officers in the Regular Army. These scholarships pay for all fees, tuition and provide \$100 per month subsistence allowance while the scholarship is in effect. In addition, a flat rate is paid each semester toward the purchase of texts and some academic supplies. A scholarship for four years is available to freshmen who will enter the four-year program. Applications must be submitted in accordance with a schedule furnished by the high school counselors. Selection is made on a nation-wide basis.

Scholarships for continuing students are available for three- and two-year periods commencing with the sophomore and junior years of ROTC, respectively. Applications are open to all students in good standing with the University; previous ROTC or military experience is not required for application for two- and three-year scholarships. Selection is made by an interview board composed of faculty members and Army officers in the ROTC detachment. Acceptance of any of the three scholarship programs requires service commitment to serve in the active Army for a period of up to four years after commissioning and graduation.

Active Duty Requirements

Graduates of Army ROTC may serve as officers in the Army National Guard, Army Reserve or active Army. Active duty commitments may vary from four years to as little as three months. Scholarship students have up to a four-year active duty commitment.

UNIVERSITY SUCCESS PROGRAM

UNV 101, University success, is a course designed to address four major areas of a student's development: life management skills, academic skills, campus and community awareness, and personal and spiritual growth. The graded, one-credit class is open to all new students, transfer students, and returning adult students.

Topics include the values of higher education, programming the mind for success, building interpersonal relationships, making the grade, decoding the professors, finance and time management, degree and career planning, effective communication, confidence and leadership, health and fitness, stress management, keeping faith, and others.

More information concerning this program is available through the Office of Student Development.

AEROSPACE STUDIES

AES 101 2 hours U. S. Air Force Organization

Every Fall. Introduction to U. S. Air Force organization, mission, doctrine, offensive and defensive forces. One hour lecture, one hour Leadership Practical Application.

AES 103 2 hours Nature of U. S. Air Power

Every Spring. Background on strategic missile defense forces, general purpose and aerospace support in national defense. One hour lecture, one hour Leadership Practical Application.

AES 201 2 hours Aerospace History to World War II

Every Fall. Historical survey of events, trends, and policies leading to the emergence of air power through World War II. One hour lecture, one hour Leadership Practical Application.

AES 203 2 hours Aerospace History: WW II to Present

Every Spring. Development of aerospace power from World War II to the present, emphasizing the impact of limited war and technology on roles and missions. One hour lecture, one hour Leadership Practical Application.

AES 301 3 hours U. S. Air Force Communication Management and Leadership

Every Fall. An integrated leadership course, emphasizing the individual as a manager in an Air Force milieu. Individual motivational and behavioral processes, leadership, communication, and group dynamics are covered. Two hours lecture, one hour Leadership Practical Application.

AES 303 3 hours U. S. Air Force Management and Leadership

Every Spring. Organizational and personal values, management of forces in change, organizational power, politics, managerial strategy and tactics. Two hours lecture, one hour Leadership Practical Application.

AES 401 3 hours National Security Institutional Policy and Strategy

Every Fall. 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. Two hours lecture, one hour Leadership Practical Application.

AES 403 3 hours

Topical and Regional Security Issues

Every Spring. Formulation and implementation of U. S. defense policies; impact of technological and international developments on strategic preparedness in the overall defense policy-making processes. Two hours lecture, one hour Leadership Practical Application.

HONORS COURSES

HON 340 3 hours Honors Interdisciplinary Seminar

Every Fall. Led by two faculty members, this team-taught class creatively combines traditional academic disciplines. May be used to satisfy a University Liberal Arts Foundation core requirement. Prerequisite: Honors Program participant.

HON 350 3 hours Honors

Every Spring. Led by two faculty members, this team-taught class creatively combines traditional academic disciplines. May be used to satisfy a University Liberal Arts Foundation core requirement. Prerequisite: Honors Program participant.

HON 360 3 hours Honors

Every Fall. Led by two faculty members, this team-taught class creatively combines traditional academic disciplines. May be used to satisfy a University Liberal Arts Foundation core requirement. Prerequisite: Honors Program participant.

HON 370 3 hours Honors

Every Spring. Led by two faculty members, this team-taught class creatively combines traditional academic disciplines. May be used to satisfy a University Liberal Arts Foundation core requirement. Prerequisite: Honors Program participant.

HON 450 3 hours Honors Thesis

Every semester. Independent research in an area chosen by the Honors Student and a professor from his or her major field. Prerequisite: Senior status, admittance and participation in the Honors Program.

MILITARY SCIENCE

EPE 105 1 hour Army Master Fitness

Every semester. Beginning instruction in physical conditioning. Three hours per week. May be repeated for credit.

MIS 101 3 hours Introduction to the Military

Every Fall. Overview of mission, organization, and structure of the Army and its role in national defense; discussion of current military issues. Three hours lecture/conference, two hours lab.

MIS 102 3 hours Land Navigation, First Aid, and Survival

Every Spring. Introduction to military maps and land navigation; first aid, and life-saving techniques; basic outdoor survival skills. Three hours lecture/conference, two hours lab.

MIS 201 3 hours**American Military History**

Every Fall. A study of the role of the military in American life during war and peace from colonial times to the present day. Three hours lecture/conference, two hours lab.

MIS 202 3 hours**Introduction to Leadership Dynamics**

Every Spring. Introduction to interpersonal dynamics involved in military team operations; theory and application of military leadership principles. Three hours lecture/conference, two hours lab.

MIS 301 3 hours**Advanced Military Science I**

Every Fall. Theory and dynamics of the individual soldier and military units in offensive combat operations. Two hours lecture/conference, 1.5 hours of Leadership Practical Application, one 2-day field exercise, three 1-day field exercises. Prerequisites: MIS 101, MIS 102, MIS 201, and MIS 202, or equivalent. Corequisite: EPE 105, Army Master Fitness.

MIS 302 3 hours**Advanced Military Science II**

Every Spring. Theory and dynamics of military units in defensive combat operations. Two hours lecture/conference, 1.5 hours Leadership Practical Application, one 3-day field exercise, two 1-day field exercises. Prerequisites: MIS 101, MIS 102, MIS 201, and MIS 202, or equivalent. Corequisite: EPE 105, Army Master Fitness.

MIS 401 3 hours**Advanced Military Science III**

Every Fall. The military legal system; preparation and conduct of military training; leadership development; ethics and professionalism of the military officer. Three hours lecture/conference, two hours Leadership Practical Application, one 2-day field exercise, three 1-day field exercises. Prerequisites: MIS 301, MIS 302. Corequisite: EPE 105, Army Master Fitness.

MIS 402 3 hours**Advanced Military Science IV**

Every Spring. Military correspondence; career planning and personal affairs in service; conduct of training; leadership development; ethics and professionalism of the military officer. Three hours lecture/conference, two hours Leadership Practical Application, one 3-day field exercise, two 1-day field exercises. Prerequisites: MIS 301, MIS 302. Corequisite: EPE 105, Army Master Fitness.

UNIVERSITY COURSES

UNV 050 0 credit hours**E.A.S.E.**

Every semester. This program is designed for international students who have some English training but have not obtained the required TOEFL score for admittance into academic programs. It offers students the opportunity to study English, acquire skills and gain experience for successfully entering a full academic program. Students receive a certificate, but do not earn credit hours toward a degree program. Prerequisite: Approval of Director of Center for International Education.

UNV 101 1 hour**University Success**

Every semester. A course designed to specifically address the needs of all students who are new to Grand Canyon University. Topics include introduction to campus resources, academic schedule management, test and note taking skills, personality diversity awareness, career assessment and development, academic advisement, personal fitness planning, financing your education, stress management and others.

UNV 204 3 hours**Faith and Living: Issues for the 21st Century**

Every semester. This course seeks to expand students' conceptions of the Christian faith. Instructors will examine faith commitments in light of the most recent discoveries in the academic disciplines. Students will be exposed to historical issues as well as current topics that challenge Christian vision and thinking. Some of the topics for discussion include: How does the scientific community view the origin of the universe and in what way does that impact my faith?; How is the Trinity defensible?; What does history tell us about Jesus Christ?; Is Christian Theology big enough for the 21st century? Students will be encouraged to interact and challenge the instructors during the semester. The goal is to build a more holistic faith for the 21st century. This course is open to all Grand Canyon students and may substitute for three hours of BIB 101, BIB 102, BIB 113, or BIB 123 in the Christian Studies section of general education requirements. Prerequisite: BIB 101, BIB 102, BIB 113, or BIB 123.

UNV 300 1 - 16 hours**Study-Abroad**

On demand. This program enables students to be enrolled at Grand Canyon University while undertaking studies in another country. Credits for this program vary depending on the number of hours involved and the chosen course of study. Prerequisite: Approval of Director of Center for International Education.

UNV 490 3 hours**International Studies Senior Seminar**

On demand. This is the capstone course for the International Studies major. Study is designed to bring the knowledge obtained in interdisciplinary courses into focus for the person who plans to work in an international relations field. Prerequisite: Senior status.

College of Business

COLLEGE DESCRIPTION

The College of Business at Grand Canyon University exists to serve both undergraduates who are preparing to initiate careers and working professionals who are seeking to further develop their careers.

Grand Canyon University is accredited by the North Central Association of Colleges and Schools, and the Association of Collegiate Business Schools and Programs to offer the Bachelor of Business Administration and the Master of Business Administration degrees.

The mission of the College of Business is to deliver a quality education within the liberal arts framework and Christian values-based tradition of Grand Canyon University to students who seek to develop their potential to assume responsible positions and pursue successful careers in the continuously evolving global environment.

Successful mission achievement is predicated upon an academically qualified, full-time faculty with requisite business and teaching experience who are committed to the primacy of teaching, small class sizes and student-faculty rapport in a congenial and open environment.

With the increasing complexity of the business world, solid academic preparation is essential for success. The College of Business offers the **Bachelor of Business Administration** in the following majors: Accounting, Finance, International Business, Management, and Marketing. The College of Business offers minors in **Business and Leadership Studies**, and **Master of Business Administration** degree; an evening **Accounting Certificate Program** for working professionals; and a **Computer Information Systems Certificate Program** which is highly recommended as an enhancement for all majors; and has a Center for Global Business to meet the needs of business and industry.

The **accounting** major is designed to prepare students for professional practice in corporate or public accounting or for management positions in business. Completing the requirements for the accounting major qualifies students to sit for either or both the Unified Certified Public Accountant (CPA) and Certified Management Accountant (CMA) examinations.

The **finance** major is offered to students interested in careers in banking, corporate finance, or investments. The emphasis is on applications and practical skills.

The **international business** major consists of the business core plus additional foreign language and cultural courses. A key component of this program is an internship in a foreign country or foreign study experience.

The **management** major emphasizes those technical and human skills and concepts that encompass the functional areas of management.

The **marketing** major combines a strong business core with

special emphasis in market forces, marketing strategy, and sales management. Marketing students are prepared for careers in sales, merchandising, and marketing research.

The **Master of Business Administration (MBA)** degree is designed for working professionals who desire to complete their graduate degree without interrupting their professional careers. The program consists of 36 graduate credit hours offered during the evening. Students with the necessary academic or professional background who complete two courses per semester on a tri-semester basis will be able to complete the MBA program in two years.

NOTE: The direct transfer plan from accredited community colleges does not apply to the College of Business programs.

UNDERGRADUATE ADMISSION TO ADVANCED STANDING

Undergraduate students must be admitted into Advanced Standing in the College of Business before they can be considered for a degree. Normally, an application is filed by the student with the College of Business at the end of the student's sophomore year. Until a student is admitted to Advanced Standing, the only upper division courses that can be taken are 300-level courses with a BUS prefix.

In order to meet the requirements for Advanced Standing, a student must:

- (1) have an overall minimum grade point average of 2.00 and a cumulative grade point average of 2.25 for the following courses:

ENG 101 and ENG 102	6 hours
ACC 211 and ACC 212	6 hours
ECN 201 and ECN 202	6 hours
MAT 121 or higher	3-4 hours
BUS 251	3 hours
CAM 180	3 hours

Total 27-28 hours

- (2) pass the Writing Proficiency Exam before being admitted.
- (3) if native language is not English, pass the Test of English as a Foreign Language (TOEFL) with a minimum score of 550.

College Description

Undergraduate Admission to Advanced Standing

Internship Guidelines

Accounting Certificate Program

Computer Information Systems Certificate Program

Center for Global Business

Student Organizations

Graduate Studies

Degree Requirements

Prescribed Liberal Arts Foundation

Undergraduate Majors

Accounting

Finance

International Business

Management

Marketing

Undergraduate Minors

Business

Leadership Studies

Graduate Program

Master of Business Administration

Course Descriptions

Exceptions to these requirements may be granted by the College of Business.

Advanced Standing application forms may be obtained from the College of Business. **Admission is not required for business minors, second degree students, or students from other areas of study within the University.**

Admission to Grand Canyon University does not guarantee acceptance into the College of Business.

INTERNSHIP GUIDELINES

Internships are strongly recommended for all academically qualified students and are available in Fall, Spring, and Summer semesters for any discipline taught in the College of Business. In order to make arrangements for an internship, the student should see the Director of the Internship Program no later than the **middle of the semester before** the semester in which the internship is taken.

Guidelines for entry into a Business Internship:

1. Internships are limited to students admitted to Advanced Standing within the College of Business and who have a cumulative GPA of 2.75 or higher.
2. A maximum of two semesters of internships may be taken. The second semester should be taken with a different organization.
3. A maximum of six (6) credit hours can be awarded. Normally, internships are for three (3) credit hours per semester. Interns are expected to complete a minimum of 45 hours of documented work for each academic credit earned.
4. No academic credit will be granted for performing duties in the student's current job. An internship with a student's past or current employer must be for a special internship assignment and not a part of his or her regular job assignment. In no case will academic credit be granted for work done in the past.
5. At the end of the semester, interns will receive a grade of either Credit ("Cr") or non-credit ("U"). This determination is made by the Director of the Internship Program and is based on the written evaluation of the intern's supervisor in the organization sponsoring the internship. The supervisor's evaluation concurs with the Internship Agreement at the outset of the internship.
6. International Business majors contemplating an overseas internship should begin their planning process at least eight months in advance of their departure from the Grand Canyon University campus. All documentation must be completed prior to the intern/student's departure from campus.

ACCOUNTING CERTIFICATE PROGRAM

The evening Accounting Certificate Program is designed for working professionals who want to prepare for the CPA or CMA examination, enhance their skills in accounting, or seek to change careers into accounting.

The program is composed of six core courses with options to meet specific goals. A Certificate in Accounting will be awarded to those who complete the requirements with a grade of "C" or better.

For further information on this program, contact the Director, Accounting Certificate Program.

COMPUTER INFORMATION SYSTEMS CERTIFICATE PROGRAM

The College of Business strongly recommends that all students, regardless of major, take coursework in Computer Information

Systems. The CIS Certificate Program represents a three-course area of emphasis that includes:

- CIS 301: Principles of Information Systems+
- CIS 302: Support Systems for Decision Making
- CIS 303: System Analysis and Design

Students who gain knowledge in computer information systems will find this an enhancement to their major, of assistance in securing a position after graduation, and useful for themselves and their employers.

+ CIS 301 is a required course in the Business Core.

CENTER FOR GLOBAL BUSINESS

The Center for Global Business (CGB) was established at Grand Canyon University to integrate multi-disciplinary knowledge and experience with leadership skill development that is transnational in scope. The Center considers the diverse experiences and multi-cultural backgrounds of students and faculty essential to the integration of Global Business.

The goal of preparing leaders with critical thinking skills for unique and evolving problem solving requires customized approaches to the needs of the business and greater community.

A variety of services are offered including programs, seminars, and credit/non-credit courses via various delivery systems by faculty, staff, presenters, and facilitators that have the appropriate academic, experiential, and/or culture-specific qualifications.

STUDENT ORGANIZATIONS

The College of Business offers students the opportunity to be members of three student organizations:

Phi Beta Lambda, open to all students interested in business, exposes students to the business community by sponsoring guest speakers, visits and tours. PBL also interacts with other colleges and universities through annual state and national conferences and by participating in an annual student competition. The Grand Canyon University PBL chapter is affiliated with ROTARAC.

IMA Student Chapter, open to any student interested in accounting, is affiliated with the Phoenix Chapter of the Institute of Management Accountants. Primary activities include sponsoring guest speakers, visiting area businesses, community service projects, and participating in Phoenix Chapter IMA events.

Delta Mu Delta, a national honor society, is open to both graduate and undergraduate students by invitation only based primarily upon scholastic achievement.

GRADUATE STUDIES

The Master of Business Administration (MBA) degree is accredited by the Association of Collegiate Business Schools and Programs and by the North Central Association of Colleges and Schools. Designed for working professionals who desire to complete their degree without interrupting their professional careers, the program consists of 36 credit hours offered during the evening. Students with the required academic background who successfully complete two courses per semester on a tri-mester basis can graduate in two years.

In addition to the traditional general business MBA, areas of emphasis are offered in Health Care Administration and in Accounting. Each of these concentrations is available by taking specialized elective courses.

ADMISSION REQUIREMENTS

Admission is open to all holders of baccalaureate degrees from accredited institutions.

Candidates must submit an application for admission, official transcripts of all prior coursework, and their score on the Graduate Management Admissions Test (GMAT).

Admission is based upon undergraduate grade point average, GMAT scores, the applicant's professional experience, and the results of a personal interview with the Director of the MBA Program, or his/her designee.

Applicants whose native language is not English and who have not completed a degree from a United States college or university are required to take the Test of English as a Foreign Language (TOEFL) with a minimum score of 575.

Applicants whose undergraduate studies do not include foundational work in business, such as finance, economics, and accounting, have an opportunity to take preparatory graduate courses in these areas (see page 56) to prepare them for advanced coursework.

GRADUATION REQUIREMENTS

Participants must maintain a GPA of 3.00 on a scale of 4.00.

Participants must enroll in a minimum of one course during each academic year, and all requirements for graduation must be completed within five (5) years from the date of initial enrollment in the MBA program.

Extensions of these time limits may be granted for cause, upon written petition to the Director of the MBA Program.

TRANSFER CREDITS

A maximum of 12 semester hours of graduate credit, with grades "B" (3.00 on a 4.00 scale) or better, will be accepted from other accredited graduate programs, provided the courses:

1. are the equivalent of courses at Grand Canyon University in content, level, and length of semester.
2. have been completed within five years prior to initial registration in the MBA Program at Grand Canyon University.
3. have been pre-approved by the Director of the MBA Program, if taken after enrollment in the MBA Program at Grand Canyon University.

COURSE WAIVERS

Participants who demonstrate a high level of competence in an area covered by a core course may petition in writing to waive that course. Petitions must be received by the Director of the MBA Program *prior* to the beginning of the course in question.

Participants requesting a waiver will be required to take a test equivalent to a comprehensive course final examination and must earn a grade of "B" or better on this test to waive the course.

Individuals who hold CMA certification, or those who hold CPA certification and have completed a course in Cost Accounting within the past five years with a grade of "B" or higher, will automatically receive a waiver for Managerial Accounting (ACC 605).

A waived course must be replaced with an additional elective course.

INTERNATIONAL

Those candidates interested in international business, one week "residentials" are available under a "sister institution" agreement with Staffordshire University in England. One week "residentials" are held every May in Europe and every January, between Fall and

Spring semesters, in Phoenix. See BUS 629: International Business Practicum.

Participants can earn from one to three credit hours. Information will be provided by the Director of the MBA Program.

DEGREE REQUIREMENTS

GENERAL CURRICULUM FOR COLLEGE OF BUSINESS UNDERGRADUATE DEGREES

Prescribed Liberal Arts Foundation Requirements	51-54 hours
Lower Division Business Core	6 hours
Upper Division Business Core	27 hours
Major Concentration	24-34 hours
Electives	7-20 hours
Total	128 hours

PREScribed LIBERAL ARTS FOUNDATION — COLLEGE OF BUSINESS

I. Biblical Understanding:	6 hours
BIB 101 or BIB 113 Old Testament Survey/History (3) and BIB 102 or BIB 123 New Testament Survey/History (3)	
OR	
One of the above courses (3) and UNV 204 Faith and Living: Issues in the 21st Century (3)	
II. Written Communication:	6 hours
Pass the Writing Proficiency Examination and ENG 101 Academic Writing (3) and ENG 102 Research Writing (3)	
OR	
ENG 103 Honors English (3) and one other Upper Division English course (3)	
III. Fine Arts:	9 hours
ARH 100, MUS 252, or TRE 120 (3) SPC 113 Fundamentals of Speech (3) BUS 307 Business Communications (3)	
IV. Social Sciences and Humanities †:	15 - 18 hours
History (3) Political Science, Psychology, or Sociology (3 - 6) ECN 201 Macroeconomic Principles (3) ECN 202 Microeconomic Principles (3) BUS 311 Business Ethics (3)	
V. Science and Healthful Living:	6 hours
Laboratory science (4) Physical Education (2) (Art Studio or Applied Music may be substituted for Physical Education)	
VI. Mathematics +:	6 hours
MAT 121 College Algebra or higher (3) BUS 251 Business Statistics (3)	
VII. Computer Applications *:	3 hours
CAM 180 Microcomputer Applications (3)	
Total	51-54 hours

† Management, Marketing, and International Business majors are required to take both PSY 101 and SOC 101.

+ Calculus recommended for those students who intend to pursue a program of graduate study

* Accounting majors are required to take CAM 180B and CAM 180J. All majors are required to take CAM 180I; and CAM 180K can be taken for elective credit only.

**LOWER DIVISION BUSINESS CORE —
ALL BUSINESS MAJORS**

ACCOUNTING		6 hours
ACC 211	Financial Accounting	3 hours
ACC 212	Managerial Accounting	3 hours
Total		6 hours

**UPPER DIVISION BUSINESS CORE —
ALL BUSINESS MAJORS**

ENVIRONMENTAL, INTEGRATING, AND SUPPORTING		12 hours
BUS 309	Career Planning and Development	3 hours
BUS 310	Business Law I	3 hours
BUS 410	International Business	3 hours
BUS 480	Management of the Total Enterprise	3 hours
FUNCTIONAL AREAS		15 hours
CIS 301	Principles of Information Systems	3 hours
FIN 301	Fundamentals of Business Finance	3 hours
MGT 301	Principles of Management	3 hours
MGT 310	Production and Operations Management	3 hours
MKT 301	Principles of Marketing	3 hours
Total		27 hours

**DEGREE REQUIREMENTS — ACCOUNTING
(B.B.A. DEGREE; No Minor Required)**

Prescribed Liberal Arts Foundation for Business	51 hours	
Free Electives	20 hours	
Lower Division Business Core	6 hours	
Upper Division Business Core	27 hours	
Accounting Core	15 hours	
ACC 321	Intermediate Accounting I	3 hours
ACC 322	Intermediate Accounting II	3 hours
ACC 331	Cost Accounting	3 hours
ACC 383	Advanced Accounting	3 hours
ACC 481	Auditing Theory and Practice	3 hours
Electives from the following ‡	9 hours	
* ACC 332	Advanced Cost Accounting (3)	
† ACC 351	Income Tax Accounting — Individual (3)	
ACC 428	Income Tax Accounting — Corporate (3)	
ACC 495	Accounting Theory (3)	
† BUS 315	Business Law II (3)	
BUS 411	Internship (3)	

Total Degree Hours 128 hours

‡ Must include at least one income tax course.

† Recommended for those planning to sit for the CPA examination.

* Recommended for those planning to sit for the CMA examination.

**DEGREE REQUIREMENTS — FINANCE
(B.B.A. DEGREE; No Minor Required)**

Prescribed Liberal Arts Foundation for Business	51 hours
Free Electives	20 hours
Lower Division Business Core	6 hours
Upper Division Business Core	27 hours
Finance Core	12 hours
FIN 303 Investments	3 hours

FIN 363	Money and Banking	3 hours
FIN 401	Intermediate Finance I	3 hours
FIN 402	Intermediate Finance II	3 hours

Electives from the following: 12 hours

ACC 321	Intermediate Accounting I (3)	
BUS 411	Internship (3)	
ECN 333	Managerial Economics (3)	
FIN 305	Speculative Markets (3)	
FIN 405	Management of Commercial Banks (3)	
FIN 425	International Trade and Finance (3)	

Total Degree Hours 128 hours

**DEGREE REQUIREMENTS — INTERNATIONAL BUSINESS ‡
(B.B.A. DEGREE; No Minor Required)**

Prescribed Liberal Arts Foundation for Business	54 hours
Free Electives	7 hours
Lower Division Business Core	6 hours
Upper Division Business Core	27 hours
International Business Core	34 hours
BUS 323 International Relations	3 hours
ECN 423 Comparative Economic Systems	3 hours
MKT 425 International Marketing	3 hours
FIN 425 International Trade and Finance	3 hours
BUS 429 International Business Practicum (3)	

AND/OR

BUS 411 Internship (3),

AND/OR

Semester Abroad,

AND/OR

Center for International Education

Program Participation 6 hours

Modern Foreign Language † ‡ 16 hours

Total Degree Hours 128 hours

† Sixteen (16) hours or equivalent is required

‡ Students whose native language is not English are not required to take additional coursework in modern foreign language or an overseas internship. These students should take six elective courses (18 semester hours) from the following:

BUS 315	Business Law II (3)	
BUS 411	Internship (3)	
BUS 414	Intercultural Communications (3)	
BUS 429	International Business Practicum (3)	
ECN 363	Money and Banking (3)	
FIN 305	Speculative Markets (3)	
GEO 121	World Geography (3)	
MGT 304	Business Facilitation Skills (3)	
SOC 498	Advanced Topics: Third World Issues (3)	

Additional electives must be taken to meet the 128 hour minimum requirement.

**DEGREE REQUIREMENTS — MANAGEMENT
(B.B.A. DEGREE; No Minor Required)**

Prescribed Liberal Arts Foundation for Business	54 hours
Free Electives	17 hours
Lower Division Business Core	6 hours
Upper Division Business Core	27 hours
Management Core	15 hours
BUS 315 Business Law II	3 hours

ECN 333	Managerial Economics	3 hours
MGT 321	Human Resource Management	3 hours
MGT 415	Organizational Behavior	3 hours
MGT 418	Entrepreneurship	3 hours

Electives from the following: 9 hours

ACC 331	Cost Accounting (3) OR
FIN 401	Intermediate Finance I (3)
BUS 411	Internship (3)
BUS 429	International Business Practicum (1 - 3)
MGT 304	Business Facilitation Skills (3)
MGT 313	Operations Research (3)
MKT 410	Retail Management (3) OR
MKT 480	Marketing Management (3)

Total Degree Hours 128 hours

DEGREE REQUIREMENTS — MARKETING (B.B.A. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for Business 54 hours

Free Electives 17 hours

Lower Division Business Core 6 hours

Upper Division Business Core 27 hours

Marketing Core 18 hours

MKT 302	Buyer and Consumer Behavior	3 hours
MKT 304	Promotion and Advertising	3 hours
MKT 305	Market Trends and Issues	3 hours
MKT 425	International Marketing	3 hours
MKT 440	Marketing Research and Reporting	3 hours
MKT 480	Marketing Management	3 hours

Electives from the following: 6 hours

BUS 315	Business Law II (3)
BUS 411	Internship (3)
ECN 333	Managerial Economics (3)
MKT 303	Sales and Sales Management (3)
MKT 410	Retail Management (3)

Total Degree Hours 128 hours

MINOR REQUIREMENTS — BUSINESS *

Courses that should be taken as part of Prescribed Liberal Arts Foundation:

BUS 311	Business Ethics	3 hours
CAM 180	Microcomputer Applications (selected options)	3 hours
ECN 201	Macroeconomic Principles	3 hours

Required Business Minor Core:

ACC 211	Financial Accounting	3 hours
ACC 212	Managerial Accounting	3 hours
ECN 202	Microeconomic Principles	3 hours
FIN 301	Fundamentals of Business Finance	3 hours
MGT 301	Principles of Management	3 hours
MKT 301	Principles of Marketing	3 hours

Total Hours for Minor 18 hours

* Internship credit may not count toward a minor in Business or Leadership Studies.

MINOR REQUIREMENTS — LEADERSHIP STUDIES *

BUS 309	Career Planning and Development	3 hours
BUS 311	Business Ethics	3 hours
BUS 312	Leadership History and Concepts	3 hours
BUS 495	Leadership Practicum	3 hours

MGT 301	Principles of Management	3 hours
MGT 304	Business Facilitation Skills	3 hours

Total Hours for Minor 18 hours

* Internship credit may not count toward a minor in Business or Leadership Studies.

MASTER OF BUSINESS ADMINISTRATION — REQUIRED CORE COURSES

ACC 605	Managerial Accounting	3 hours
BUS 601	Quantitative Methods in Business	3 hours
*BUS 604	Business Ethics and Society (3) OR	
HCA 631	Ethics in Health Care Administration (3)	3 hours
CIS 603	Information Systems	3 hours
ECN 607	Managerial Economics	3 hours
FIN 608	Managerial Finance	3 hours
MGT 602	Organizational Theory and Behavior	3 hours
MGT 609	Management of the Total Enterprise	3 hours
MKT 606	Marketing Management	3 hours

Total Required Hours Business Core 27 hours

* BUS 604 is required of all MBA students except those seeking a concentration in Health Care Administration, who are required to complete HCA 631.

MASTER OF BUSINESS ADMINISTRATION — ELECTIVE COURSES (select 9 hours)

ACC 618	Corporate Taxation	3 hours
ACC 619	Accounting Theory	3 hours
ACC 620	Financial Statement Analysis	3 hours
BUS 626	International Business	3 hours
BUS 629	International Business Practicum	3 hours
BUS 690	Special Topics in Business	3 hours
FIN 625	Investments	3 hours
HCA 630	Health Care Delivery Systems	3 hours
HCA 698	Practicum in Health Care Administration	3 hours
MGT 613	Operations Strategy	3 hours
MGT 623	Organizational Development	3 hours
MGT 624	Entrepreneurship	3 hours
MKT 628	International Marketing	3 hours

Total Master of Business Administration hours 36 hours

MASTER OF BUSINESS ADMINISTRATION — AREAS OF CONCENTRATION

An area of concentration is not required but is available for students who wish to specialize in a particular field. The requirement for a concentration is to take three elective courses (9 semester hours) in one area as listed below:

CONCENTRATION IN ACCOUNTING:

ACC 618	Corporate Taxation	3 hours
ACC 619	Accounting Theory	3 hours
ACC 620	Financial Statement Analysis	3 hours

CONCENTRATION IN HEALTH CARE ADMINISTRATION:

BUS 690	Special Topics in Business	3 hours
HCA 630	Health Care Delivery Systems	3 hours
HCA 631	Ethics in Health Care Administration	3 hours
HCA 698	Practicum in Health Care Administration	3 hours

ACCOUNTING

ACC 211 3 hours Financial Accounting

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

ACC 212 3 hours Managerial Accounting

Every semester. Continuation of **ACC 211**. An introduction to the use of managerial accounting data in the decision-making process. Prerequisite: ACC 211.

ACC 321 3 hours Intermediate Accounting I

Every Fall. An in-depth study of accounting objectives, principles, theory and practice as related to assets and income determination. Prerequisites: ACC 212 and Admission to Advanced Standing in College of Business.

ACC 322 3 hours Intermediate Accounting II

Every Spring. Continuation of **ACC 321**. Emphasis is placed on liabilities and owners equity, special problems in income determination and financial reporting. Prerequisite: ACC 321.

ACC 331 3 hours Cost Accounting

Every Fall. Principles of internal accounting, including process and job order systems, standard cost systems, cost allocation, and budgeting. Prerequisites: ACC 212 and Admission to Advanced Standing in College of Business.

ACC 332 3 hours Advanced Cost Accounting

Every Spring. Continuation of **ACC 331**. Study of advanced management accounting topics with an emphasis on current cost accounting practices. Prerequisite: ACC 331.

ACC 351 3 hours Income Tax Accounting — Individual

Every Fall. Fundamentals of federal income taxation of individuals, including basic research and tax planning methods. Prerequisites: ACC 212, and Admission to Advanced Standing in College of Business.

ACC 383 3 hours Advanced Accounting

Every Fall. Accounting theory applicable to partnerships and business combinations, international accounting, and governmental accounting. Prerequisite: ACC 322.

ACC 428 3 hours Income Tax Accounting — Corporate

On demand. A study of the theory and practices of accounting for income taxes of corporations, partnerships, estates, and trusts. Prerequisites: ACC 322.

ACC 481 3 hours Auditing Theory and Practice

Every Spring. 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 321.

ACC 495 3 hours Accounting Theory

On demand. An exploration of financial accounting theory and its role in current accounting practice. Prerequisite: ACC 322.

ACC 499 1 - 4 hours Independent Study

On demand. See page 30.

BUSINESS

BUS 251 3 hours Business Statistics

Every semester. An introduction to the practical application of descriptive and inferential statistics in business. Topics include probability, probability distributions, the central limit theorem, confidence intervals, hypothesis testing, correlation, regression, and an introduction to non-parametric analysis. Prerequisites: MAT 121 or equivalent and CAM 180.

BUS 307 3 hours Business Communications

Every semester. Practice in writing effective business letters, memoranda, and reports. Emphasis is on effective written communication as it applies to human relations in business and as a managerial approach to effective communication. Prerequisites: ENG 102 and passing the Writing Proficiency Examination.

BUS 309 3 hours Career Planning and Development

Every semester. Prepares students for job search process (research, interviews, resumes, networking, dress for success, career planning, etc.) and to be competitive in the business job market.

BUS 310 3 hours Business Law I

Every semester. 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 311 3 hours Business Ethics

Every semester. A study of the application of moral concepts and principles to business practice. Topics include product quality and safety, truth in advertising, employee rights and responsibilities, organizational life, information gathering, the environment, and multinational corporations.

BUS 312 3 hours Leadership History and Concepts

Every semester. Exploration of historical and contemporary concepts of leadership. Special attention given to the student formulating an understanding of this implication of his/her chosen style of leadership.

BUS 315 3 hours Business Law II

Every Spring. Continuation of **BUS 310**. Included in this course is the study of partnerships, corporations, sales, commercial paper, credit, and government regulations and agencies.

BUS 323 3 hours International Relations

On demand. Also **POS 323**. A study of the history of international politics, contemporary world power structure and international law and organization. Prerequisites: 6 hours of history or political science, or instructor's approval.

BUS 410 **3 hours****International Business**

Every semester. Concepts and practices of business in a multinational context. The objectives, strategies, policies, and organizational structures for operating in various international environments. Current issues in the field are discussed in detail. Prerequisites: Admission to Advanced Standing in College of Business; MGT 301, FIN 301, and MKT 301.

BUS 411 **3 hours****Business Internship**

Every semester. An opportunity for students to practice principles learned in business by working at least eight (8) hours per week in an organization under the supervision of a practitioner. Course can be repeated with approval of the Director of the Internship Program. Prerequisite: Admission to Advanced Standing in College of Business.

BUS 414 **3 hours****Intercultural Communication**

On demand. Also **ESL 514**. Other cultures are explored through an examination of demographics, family structure, religion, politics, education, social life, art, and literature.

BUS 429 **1 - 3 hours each****International Business Practicum**

Every year. Phoenix residential between Fall and Spring, and foreign residential between Spring and Summer semesters. Designed for students interested in intercultural diversity and its impact on group dynamics. One (1) hour course credit is given for participation in one (1) Phoenix or one (1) foreign country residential. Residentials are one (1) week in duration, and participation is required at all activities.

BUS 480 **3 hours****Management of the Total Enterprise**

Every semester. A capstone case course in business. Focuses on identification and analysis of general management problems in order to formulate policy recommendations to meet the needs of a general manager. Open only to Senior status business students. Prerequisites: MKT 301, MGT 301, FIN 301, MGT 310, CIS 301, and instructor's approval.

BUS 495 **3 hours****Leadership Practicum**

Every semester. Instruction and implications of service to others within a variety of community service environments. Emphasis on development and implementation of service project within a community setting that will demonstrate the student's servant leadership initiative.

BUS 499 **1 - 4 hours****Independent Study**

On demand. See page 30.

COMPUTER INFORMATION SYSTEMS

CAM 180 **1 hour modules****Computer Application Modules**

Every semester. Basic studies of applications of electronic data processing. Students may select from one-hour modules to meet their objectives. Modules include, but are not limited to:

- A. Word Processing
- B. Beginning Spreadsheet
- C. Beginning Database
- D. Desktop Publishing
- E. Advanced Spreadsheet
- F. T K Solver
- G. Pagemaker
- H. Advanced Word Perfect
- I. Introduction to the Internet
- J. Accounting Applications
- K. Principles of Hardware and Software

Prerequisites: CAM 180D and CAM 180H require CAM 180A. CAM 180E requires CAM 180B. CAM 180J requires ACC 211.

CIS 301 **3 hours****Principles of Information Systems**

Every semester. An introductory course covering the fundamental principles of information systems. Integrates topics of management, organization, information, technology, and the systems approach. Emphasizes the planning, design, and implementation of information systems to aid decision making. Prerequisite: CAM 180, Admission to Advanced Standing in the College of Business.

CIS 302 **3 hours****Support Systems for Decision Making**

Every Spring. An in-depth examination of the various computer-based support systems that are used to aid decision making. Systems examined include decision support systems, expert systems, group decision support systems, and executive supports systems. Emphasis is on appropriate application and implementation. Quantitative and qualitative decision making models and tools will be covered. Prerequisite: CIS 301.

CIS 303 **3 hours****Systems Analysis and Design**

Every Fall. The analysis and design of computer-based information systems. General systems theory will be emphasized. Topics include the system development life cycle and alternatives, data and process modeling, logical and physical design, project management and justification, and computer aided software engineering (CASE). Prerequisite: CIS 301.

ECONOMICS

ECN 201 **3 hours****Macroeconomics Principles**

Every semester. A survey of how basic economic concepts, principles, and business practices are viewed 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. Macroeconomics and Microeconomics may be taken in any order. Prerequisite: MAT 120 or equivalent.

ECN 202 **Microeconomics Principles** **3 hours**
Every semester. A microeconomics introduction covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems. Microeconomics and Macroeconomics may be taken in any order. Prerequisite: MAT 120 or equivalent.

ECN 333 **Managerial Economics** **3 hours**
Every Fall. An application-oriented intermediate course in microeconomics dealing with decision-making of business firms, the influence of constraints on business behavior, and business attempts to forecast demand and cost conditions. Also explored are how firms react to specific demand conditions, and the influence of competition and market power on decisions. Prerequisites: BUS 251, and ECN 202

ECN 363 **Money and Banking** **3 hours**
Every Spring. A general survey of financial institutions, the Federal Reserve System, the qualities of a sound monetary system, the theory and value of money, deposit insurance, and foreign exchange. Prerequisite: ECN 201, and FIN 301.

ECN 423 **Comparative Economic Systems** **3 hours**
Every Spring. A study of the forms of economic organization: capitalism, socialism, communism, and fascism. Emphasis will be given to emerging forms of capitalism in the European Community, Pacific Rim and other areas of the world. Prerequisite: Admission to Advanced Standing in the College of Business.

ECN 499 **Independent Study** **1 - 4 hours**
On demand. See page 30.

FINANCE

FIN 300 **Personal Money Management** **3 hours**
On demand. A practical course for those seeking information and techniques to assist in achieving personal and family financial goals. Topics include investment strategies, insurance management, debt and credit control, tax reduction, retirement, and estate planning. This is a life skills course which is appropriate for any student, regardless of discipline, but **does not** fulfill any of the requirements for any major in business or the business minor.

FIN 301 **Fundamentals of Business Finance** **3 hours**
Every semester. A study of the finance function within the modern corporation. Topics covered include financial analysis and planning, the valuation of financial assets, capital budgeting, capital structure, and working capital management. Prerequisite: Admission to Advanced Standing in College of Business.

FIN 303 **Investments** **3 hours**
Every Fall. This course focuses primarily on stocks, bonds and portfolio theory. Principles will be discussed that apply to investment decisions at all levels, from the management of small portfolios of individual investors to large, professionally-managed mutual funds. The course is useful for those who are interested in careers in the investments industry as well as those who simply want to make more effective personal investment decisions. Prerequisite: FIN 301.

FIN 305 **Speculative Markets** **3 hours**
Every Spring. A course in the options and futures markets. Characteristics of specific contracts, the workings of the various markets, theories and approaches to valuation, and hedging opportunities are covered. Applications to investments, international finance, and the management of financial institutions are emphasized. Prerequisite: FIN 301.

FIN 401 **Intermediate Finance I** **3 hours**
Every Fall. Application of financial techniques and principles to case studies in financial management. The case study approach involves problem determination, identification of alternative courses of action, qualitative and quantitative analysis, and decision-making. Several major topic areas in financial management will be covered including cost of capital, capital budgeting and structure, dividend policy, and merger analysis. Prerequisite: FIN 301.

FIN 402 **Intermediate Finance II** **3 hours**
Every Spring. Continuation of **FIN 401**. Case studies in financial management. Prerequisites: FIN 301, FIN 401.

FIN 405 **Management of Commercial Banks** **3 hours**
On demand. A course in the management of depository institutions such as banks, and savings and loans. Topics emphasized include asset and liability management, functional cost analysis, liquidity planning, management of loan and investment portfolios, capital adequacy, and the changing regulatory climate of the banking industry. Prerequisite: FIN 301.

FIN 425 **International Trade and Finance** **3 hours**
Every Fall. A study of interrelationship between the international monetary environment and financial planning for corporations with overseas operations. The topics covered include the international monetary system, the foreign exchange market, managing exchange exposure, political risk management, import/export financing, and international performance evaluation. Prerequisite: FIN 301.

FIN 499 **Independent Study** **1 - 4 hours**
On demand. See page 30.

MANAGEMENT

MGT 301 **Principles of Management** **3 hours**
Every semester. An introductory course which deals with management in general and the basic management processes and functions in particular. Focuses on real-world management situations concerned with planning, organizing, leading, and controlling. Prerequisite: Admission to Advanced Standing in College of Business.

MGT 304 **Business Facilitation Skills** **3 hours**
Every Spring. Teaches the competencies of leading business meetings and conferences, facilitating discussion groups, and building teams. Prerequisite: SPC 113, and Admission to Advanced Standing College of Business.

MGT 310 **3 hours**
Production and Operations Management

Every semester. An introduction to designing, planning, operating, and controlling productive systems. Emphasis is on managerial concepts and strategies relating to the management of operations in both manufacturing and service environments. Quantitative and qualitative methods and tools will be introduced and applied. Prerequisite: Admission to Advanced Standing in College of Business.

MGT 313 **3 hours**
Operations Research

Every Fall. An introduction to mathematical model building and solution techniques. Although the emphasis will be on the quantitative techniques covered, correct application and interpretation of models will be stressed. Topics include decision theory, mathematical programming, queuing theory, and simulation. Prerequisite: Admission to Advanced Standing in the College of Business.

MGT 321 **3 hours**
Human Resource Management

Every Spring. Analysis of the personnel policies of business enterprises. Areas of study include selection, placement, training, promotion, morale, employee services, and the organization and functions of a human resource department. Prerequisite: MGT 301.

MGT 415 **3 hours**
Organizational Behavior

Every Spring. 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 using the case method approach. Prerequisite: MGT 301.

MGT 418 **3 hours**
Entrepreneurship

Every Spring. Application of business concepts to develop business plans, prepare loan packages, and evaluate opportunities, risks and problems associated with business development. The establishment of new ventures and the role of entrepreneurship in established corporations are also discussed. Prerequisites: Admission to Advanced Standing in the College of Business, MGT 301, FIN 301, and MKT 301.

MGT 411 **1 - 4 hours**
Independent Study
 On demand. See page 30.

MARKETING

MKT 301 **3 hours**
Principles of Marketing

Every semester. An overview of the marketing concept with integrated marketing issues. Topics include competitive marketing strategies, the external environment, marketing information and intelligence, consumer behavior, business markets and business-to-business buying, the global marketplace, marketing communication, product and services marketing, promotion and advertising, public relations, implementing and controlling the marketing program. Prerequisite: Admission to Advanced Standing in College of Business.

MKT 302 **3 hours**
Buyer and Consumer Behavior

Every Fall. A behavioral science approach to recognize the distinct buyer strategies and decision-making processes of purchase by organizational buyers and consumers. Topics include cross-cultural variations in behavior, external and internal influences on today's buyers, purchase and post-purchase processes, customer satisfaction and customer commitment. Prerequisite: MKT 301.

MKT 303 **3 hours**
Sales and Sales Management

On demand. The application of management and leadership principles to the development and operation of the sales force as part of the overall marketing program. Topics include sales planning, organization and control, sales force recruitment, training, motivation, compensation, technological trends, cultural, and language diversity. Prerequisite: MKT 301.

MKT 304 **3 hours**
Promotion and Advertising

Every Spring. An integrated marketing communications perspective for today's changing world of advertising and promotion. Topics include the promotional mix, determining and developing advertising and promotional objectives, ethical issues in advertising campaigns, budgeting, positioning, creative strategies, media strategies, personal selling, direct marketing, public relations, publicity, corporate advertising, measuring and evaluating the promotional program. Prerequisite: MKT 301.

MKT 305 **3 hours**
Market Trends and Issues

Every Spring. A survey of variables affecting today's marketing managers in planning, organizing, and controlling the marketing mix. Topics include new product and new services development for profit and not-for-profit organizations, ethics, creative strategies, brand and product management, merchandising and logistics, corporate policy analysis, sales and budget forecasting, customer satisfaction measurement, marketing communications and positioning, integration of marketing applications to the corporate mission statement, technology and diversity. Prerequisite: MKT 301.

MKT 410 **3 hours**
Retail Management

On demand. Three main objectives are addressed: the importance of retailing as an institution in our society, the exciting and challenging environment facing retail managers today, and current as well as future retail management practices that are ever-changing in retail operations and opportunities. Prerequisite: MKT 301.

MKT 425 **3 hours**
International Marketing

Every Spring. An introduction to marketing products and services globally. The course discusses and compares Asian, American, and European consumers. Belief systems, attitudes and values are discussed as they relate to consumer wants and needs. Export/import, joint ventures, wholly owned subsidiaries, foreign manufacturing and licensing are investigated as foreign market entry strategies. Prerequisite: MKT 301.

MKT 440 **3 hours**
Marketing Research and Reporting

Every Fall. Examines the business research process and the research documents as tools to aid the managerial decision-making process. Topics include the design of research, primary and secondary data collection methods, conducting ethical research, the application of statistical tools and measurement techniques, and reporting the research in both written document and oral presentation format. Prerequisite: MKT 301.

MKT 480 **Marketing Management** **3 hours**

Every Spring. Concentration on application of basic marketing principles to the marketplace, approaches and tools for problem analysis, the marketing of services and products, the analysis of marketing problems and the use of case studies, and development of marketing plans. Prerequisite: MKT 440.

MKT 499 **Independent Study** **1 - 4 hours**

On demand. See page 30.

GRADUATE PREPARATION COURSES

The following 500-level courses are designed for graduate students who need or desire preparatory work in finance, economics, accounting, or quantitative analysis.

ACC 501 **Accounting Practices** **3 hours**

On demand. Designed for individuals who are preparing for more advanced coursework in accounting. Topics covered include the principles and practices of financial accounting and the fundamentals of managerial accounting.

FIN 501 **Financial Analysis** **3 hours**

On demand. Designed for individuals who are preparing for more advanced coursework in finance and quantitative methods. Topics include financial analysis, financial planning, asset valuation, capital structure and working capital management.

GRADUATE COURSES

BUS 601 **Quantitative Methods in Business** **3 hours**

On demand. Statistical and other quantitative methods used in decision making. The computer is used extensively in data analysis. Prerequisite: BUS 251, or FIN 501, or its equivalent; and Graduate Standing.

MGT 602 **Organizational Theory and Behavior** **3 hours**

On demand. Concepts and applications of behavior in organizations, including the study of motivation, organizational climate, group dynamics, leadership, and decision-making. Prerequisites: MGT 301 or its equivalent, and Graduate Standing.

CIS 603 **Information Systems** **3 hours**

On demand. An examination of managerial issues associated with the application of computer-based information systems in the business environment. Within the context of general systems theory and with an applications orientation, the student will examine critical areas of design, development, and analysis of information systems. Prerequisite: CIS 301 or its equivalent, and Graduate Standing.

BUS 604 **Business Ethics and Society** **3 hours**

On demand. This course explores the role of ethics in the organization. An emphasis is placed on the way ethics affects policy formation and professional conduct in business and society. Prerequisite: Graduate Standing.

ACC 605 **Managerial Accounting** **3 hours**

On demand. A study of the accounting concepts used in management decision making. Topics emphasized include procedures for internal reporting and evaluating results, profit planning, cost allocation, and budgeting. Prerequisites: ACC 211 and ACC 212, or ACC 501, or its equivalent; and Graduate Standing.

MKT 606 **Marketing Management** **3 hours**

On demand. The management of the marketing function in business and non-profit enterprises. Topics emphasized include market environmental analysis and marketing planning, strategy, and control. Development and management of marketing programs are explored through the case method. Prerequisites: MKT 301 or its equivalent, and Graduate Standing.

ECN 607 **Managerial Economics** **3 hours**

On demand. The application of microeconomic principles and techniques of analysis to management decision-making. Areas emphasized include demand analysis, production planning, cost analysis, and product pricing. Optimization techniques are used extensively. Prerequisites: ECN 202, MAT 121, and BUS 251, or their equivalents; and Graduate Standing.

FIN 608 **Managerial Finance** **3 hours**

On demand. A study of the finance function within the modern corporation. Emphasis is placed on the workings of capital markets and management actions that impact the determination of security values within capital markets. Topics discussed include financial analysis, working capital management, capital budgeting, and capital structure. Prerequisites: FIN 301, or FIN 501, or its equivalent; and Graduate Standing.

MGT 609 **Management of the Total Enterprise** **3 hours**

On demand. Formulation of strategy and policy within the organization, emphasizing the integration of decisions within the various functional areas, ethical considerations of organizational policy, and international aspects of corporate strategy. Extensive use is made of the case method. Prerequisites: MGT 602, MKT 606 and FIN 608, or their equivalents; and Graduate Standing.

MGT 613 **Operations Strategy** **3 hours**

On demand. Examines operations as a strategic resource. Topics include methods to facilitate strategic formulation, analysis of the linkages between operations and other functional areas, and the management and strategic application of new and emerging technologies. Application of concepts is emphasized. Prerequisite: Graduate Standing.

ACC 618 **Corporate Taxation** **3 hours**

On demand. A study of federal taxation of corporations with emphasis on transactions between the corporate and outside parties. Topics include the basic rules of federal corporate income taxation, tax planning, and special rules for S Corporations. Taxation for partnerships, estates, and trusts will also be covered. Prerequisite: Graduate Standing, and six (6) semester hours of financial accounting.

ACC 619 **3 hours**
Accounting Theory

On demand. An examination of the central issues which arise in application of accounting concepts to situations encountered in business. Readings, case studies, and group and individual projects will be used to explore the role of financial and managerial accounting theories in current practice. Prerequisites: Graduate Standing and 12 semester hours of accounting.

ACC 620 **3 hours**
Financial Statement Analysis

On demand. An analysis and interpretation of corporate financial reports. Topics include the form, content, and general accounting principles governing the construction of financial statements; valuation, classification, and income determination problems; the methods of analyzing and interpreting financial data; and the utility and limitations of financial accounting data. Prerequisites: Graduate Standing and 12 semester hours of accounting or finance.

MGT 623 **3 hours**
Organizational Development

On demand. Explores the behavioral forces and relationships that influence organizational effectiveness and change. Includes the study of intervention strategy and application skills. Prerequisites: MGT 301 or its equivalent, and Graduate Standing.

BUS 624 **3 hours**
Entrepreneurship

On demand. Opportunities, risks, and problems associated with business development and operation. Includes both the design of new ventures and the management of business growth and development. Both domestic and international opportunities are discussed. Prerequisites: MGT 301 or its equivalent, and Graduate Standing.

FIN 625 **3 hours**
Investments

On demand. This course focuses primarily on stocks, bonds and portfolio theory. Principles will be discussed that apply to investment decisions at all levels, from the management of small portfolios of individual investors to large, professionally-managed mutual funds. The course is useful for those who are interested in careers in the investments industry as well as those who desire to make more effective personal investment decisions. Options and futures trading will also be introduced. Prerequisites: FIN 301, or FIN 501, or its equivalent, and Graduate Standing.

BUS 626 **3 hours**
International Business

On demand. Emphasis on the cultural, social, economic, and political factors important to the management of international business. Understanding currency exchange risks, the determination of market potential, assessing host-country controls on business, market incentives, and political risk are all discussed. Prerequisite: MGT 301 or its equivalent, and Graduate Standing.

MKT 628 **3 hours**
International Marketing

On demand. An analysis of environmental conditions that enhance or inhibit an international firm's efforts to design and use effective marketing techniques. The impact of differences in language, aesthetics, religions, business customs, and attitudes on marketing strategies are addressed. Prerequisites: MKT 606, BUS 626, and Graduate Standing.

BUS 629 **1 - 3 hours each**
International Business Practicum

Every year. Phoenix residential in January (between Fall and Spring semesters). Foreign residentials in May (between Spring and Summer semester). Designed for students interested in intercultural diversity and its impact on groups dynamics. Provides hands-on experience by participating in residentials (2 Phoenix and 1 foreign, or 2 foreign and 1 Phoenix = 3 hours of credit). Participation in all activities is required and time off work may be necessary (approximately one week for each residential). Prerequisite: Graduate Standing.

HCA 630 **3 hours**
Health Care Delivery systems

On demand. Overview of the health care delivery system as it exists in the United States as well as projected trends for the future. Topics to be discussed include changing demographics and the influence on societal health care needs, changing sites for care delivery, role of the government, JCAHO and other agencies for accreditation, and forces for health care reform. Prerequisite: Graduate Standing.

HCA 631 **3 hours**
Ethics in Health Care Administration

On demand. Application of ethical principles to decision making within the health care arena. Topics include informed consent, surrogacy, allocation of scarce resources, research involving human subjects, euthanasia and abortion, and paternalism and the dignity of the individual. Also included will be confidentiality and codes of conduct. Course taken in lieu of BUS 604 Business Ethics. Prerequisite: Graduate Standing.

BUS 690 **1 - 3 hours**
Special Topics in Business

On demand. Special areas of business not covered elsewhere in the graduate curriculum are studied. Topics may vary from semester to semester. May be repeated for credit. Prerequisite: Graduate Standing.

HCA 698 **3 hours**
Practicum in Health Care Administration

On demand. The practicum provides an opportunity for the student to work with a preceptor in a specific area of health care administration. For the student with professional experience, the practicum focuses on advanced work in an area outside of the student's current employment specialty. The practicum should be taken during the last semester of the program. Prerequisites: HCA 630, HCA 631, and three (3) hours of BUS 690 as approved by the Director of the MBA Program.

College of Christian Studies

College Description

COLLEGE DESCRIPTION

Degree Requirements

Prescribed Liberal Arts Foundation

Majors

Biblical/Theological Studies

Christian Education

Minors

Chaplaincy

Christian Studies

Course Descriptions

The College of Christian Studies exists to guide students in challenging learning experiences, to provide a strong Biblical foundation for ministry, and to equip them for service in the Christian community. The courses are designed to provide students with an understanding of the Bible and its historical and theological significance to the Christian faith, preparation and planning for ministry and guidance through spiritual development.

A vital part of the student's development in ministry is the exploration of a personal call to ministry. Each Christian Studies student should be able to identify and verbalize a personal call experience. The faculty is committed to help students formulate their call by exploring various directions that call may take. Opportunities to dialogue with church, denominational and Christian ministry leaders help guide the student in their process of ministry development.

DEGREE REQUIREMENTS

Christian Studies students may choose from three degree programs. Each degree program will provide a solid foundation for working with people in all fields of Christian endeavor as well as prepare students for seminary. Students should examine and choose the degree program which best fits their goals in ministry.

Bachelor of Arts in Biblical/Theological Studies

Bachelor of Arts in Christian Education

Bachelor of Arts in Creative Arts in Worship

(See College of Communications and Fine Arts, page 170)

PREScribed LIBERAL ARTS FOUNDATION COLLEGE OF CHRISTIAN STUDIES

PREScribed LIBERAL ARTS FOUNDATION

I. Biblical Understanding: 6 hours

BIB 113 Old Testament History (3)

BIB 123 New Testament History (3)

II. Written Communication: 3 - 6 hours

Pass the Writing Proficiency Examination and

ENG 101 Academic Writing (3) and

ENG 102 Research Writing (3)

OR

ENG 103 Honors English (3)

III. Fine Arts: 6 hours

Art, Music, or Theatre (3)

SPC 113 Fundamentals of Speech (3)

IV. Social Sciences and Humanities: 9 hours

HIS — History (3)

PSY 101 Introduction to Psychology (3)

SOC 101 Introduction to Sociology (3)

V. Science and Healthful Living: 6 hours

— — Laboratory Science (4)

PED — Physical Education (2)

VI. Mathematics: 3 hours

MAT 120 Intermediate Algebra (3)

VII. Computer Applications: 4 hour

CAM 180A, CAM 180B,

CAM 180C, CAM 180D (4)

Total P.L.A.E. requirements: 37 - 40 hours

DEGREE REQUIREMENTS — BIBLICAL/THEOLOGICAL STUDIES (B.A. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Christian Studies (See this page)

Christian Studies Core Requirements:

BIB 442 The Pentateuch 3 hours

BIB 433 Life and Teachings of Christ 3 hours

ENG 201 Intermediate Grammar (3) OR

ENG 314 Advanced Grammar (3) 3 hours

ENG 301 Advanced Composition 3 hours

HTH 303 Baptist and American

Church History 3 hours

HTH 333 Psychology of Religion 3 hours

HTH 373 Christian Doctrines 3 hours

MCH 378 Music in Worship 3 hours

MIN 201 Development in Ministries 3 hours

MIN 243 Church Administration 3 hours

MIN 315 Basic Christian Discipleship 3 hours

MIN 443 Leadership For Ministry 3 hours

MIN 490 Senior Seminar 3 hours

MIN 497 Ministerial Internship

(May be repeated for credit) 3 hours

Total Christian Studies Core Requirements 42 hours

Biblical and Theological Studies Requirements:

BIB 313 Biblical Interpretation 3 hours

BIB 353 History of Christianity 3 hours

HTH 463 World Religions 3 hours

**Total Biblical and Theological
Studies Requirements 9 hours**

Biblical and Theological Studies Electives (12 hours):

BIB 423 General Epistles and Revelation (3)

BIB 432 Old Testament Prophets (3)

BIB 443 Life and Letters of Paul (3)

BIB 453 Old Testament Poetry (3)

BIB 463 Biblical Backgrounds (3)

BIB 499	Independent Study (1 - 4)
GRK 373	Advanced Greek Grammar I (3)
GRK 383	Advanced Greek Grammar II (3)
HTH 323	Christian Missions (3)
HTH 375	Survey of Contemporary Theology (3)
HTH 499	Independent Study (1 - 4)
MIN 383	Homiletics (3)
MIN 323	Evangelism (3)
MIN 373	Pastoral Ministry (3)
MIN 498	Special Topics (3)
MIN 499	Independent Study (1 - 4)
PHI 101	Introduction to Philosophy (3)
PHI 225	Introduction to Ethics (3)

Total Biblical and Theological Studies Electives 12 hours

Minor Required 18 - 21 hours

Electives to complete required number of hours for graduation

Minimum Total hours for Graduation 128 hours

DEGREE REQUIREMENTS — CHRISTIAN EDUCATION (B.A. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation
for the College of Christian Studies (See Page 57.)

Christian Studies Core Requirements:

BIB 442	The Pentateuch	3 hours
BIB 433	Life and Teachings of Christ	3 hours
ENG 201	Intermediate Grammar (3) OR	
ENG 314	Advanced Grammar (3)	3 hours
ENG 301	Advanced Composition	3 hours
HTH 303	Baptist and American Church History	3 hours
HTH 333	Psychology of Religion	3 hours
HTH 373	Christian Doctrines	3 hours
MCH 378	Music in Worship	3 hours
MIN 201	Development in Ministries	3 hours
MIN 243	Church Administration	3 hours
MIN 315	Basic Christian Discipleship	3 hours
MIN 443	Leadership For Ministry	3 hours
MIN 490	Senior Seminar	3 hours
MIN 497	Ministerial Internship	3 hours
	(May be repeated for credit)	3 hours

Total Christian Studies Core Requirements 42 hours

Christian Education Requirements:

ACC 211	Financial Accounting	3 hours
EDU 313	Educational Psychology	3 hours
EDU 463	Presentational Technology	3 hours
MIN 213	Survey of Christian Education	3 hours
MIN 393	Hymnology	3 hours
MIN 498	Sociology of Religion	3 hours
PSY 341	Lifespan Development	3 hours
SOC 333	Marriage and the Family	3 hours

Total Christian Education Requirements 24 hours

Minor Required 18 - 21 hours

Electives to complete the number of hours required for graduation

Minimum Total Hours for Graduation 128 hours

MINOR REQUIREMENTS — CHAPLAINCY CERTIFICATION PROGRAM

Chaplaincy Certification Program/Minor is available to those currently employed in a law enforcement agency. Further information can be obtained through the Office of the Dean in the College of Christian Studies.

MINOR REQUIREMENTS — CHRISTIAN STUDIES

BIB 113	Old Testament History	3 hours
BIB 123	New Testament History	3 hours
HTH 333	Psychology of Religion	3 hours
HTH 373	Christian Doctrines	3 hours
MIN 315	Basic Christian Discipleship	3 hours
MIN 443	Leadership for Ministry	3 hours

Total Minor Hours 18 hours

BIBLICAL STUDIES

BIB 101 3 hours Survey of the Old Testament

Every semester and every Summer. An elementary survey of the Old Testament designed for students not planning on further academic coursework in Bible. This course, in combination with BIB 102 or BIB 123, will meet the University Liberal Arts Foundation requirement of the University but does not serve as the required prerequisite for certain upper division courses in the College of Christian Studies.

BIB 102 3 hours Survey of the New Testament

Every semester and every Summer. An elementary survey of the New Testament designed for students not planning on further academic coursework in Bible. This course, in combination with BIB 101 or BIB 113, will meet the University Liberal Arts Foundation requirement of the University but does not serve as the required prerequisite for certain upper division courses in the College of Christian Studies.

BIB 113 3 hours Old Testament History

Every semester and every Summer. An introductory and historical survey of the Old Testament. Attention is given to the study of the Bible itself, its institutions, literature, and history of the national life of the Hebrew people from earliest times to the close of the Old Testament period.

BIB 123 3 hours New Testament History

Every semester and every Summer. A general historical survey of the New Testament, beginning with the interbiblical period, with the main emphasis given to the Gospels and Acts.

BIB 313 3 hours Biblical Interpretation

Every Spring. This course equips students interested in more serious biblical studies to understand and use basic principles of biblical interpretation. An introduction to biblical interpretation is the focus, with a study of the several literary styles in biblical literature and an exposure to and evaluation of various methods of biblical analysis from a conservative viewpoint. Prerequisites: BIB 113, BIB 123.

- BIB 396** **Biblical Studies Tutoring** **2 hours**
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.
- BIB 423** **General Epistles and Revelation** **3 hours**
Spring, 1998, and alternate years. A study of the historical background, authorship, and expository analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: BIB 113, BIB 123.
- BIB 432** **Old Testament Prophets** **3 hours**
Spring, 1998, and alternate years. A study of the writing prophets of the Old Testament, with special attention given to the Messianic element, the occasion of writing, authorship, content and interpretation. Prerequisites: BIB 113, BIB 123.
- BIB 433** **Life and Teachings of Christ** **3 hours**
Fall, 1996, and alternate years. A study of the life of Jesus, with special attention given to his person, teachings and work. Prerequisites: BIB 113, BIB 123.
- BIB 442** **The Pentateuch (Genesis - Deuteronomy)** **3 hours**
Fall, 1996, and alternate years. A study of the first five books of the Bible with special emphasis given to the scriptural record of beginnings and of early Hebrew history, religion and law. Prerequisites: BIB 113, BIB 123.
- BIB 443** **Life and Letters of Paul** **3 hours**
Spring, 1997, and alternate years. A study of the life and times of the apostle Paul, with an interpretation of his epistles and their historical setting. Prerequisites: BIB 113, BIB 123.
- BIB 453** **Old Testament Poetry** **3 hours**
Fall, 1997, and alternate years. A study of the poetical books of the Old Testament, with reference to their literary style, occasion of writing, authorship, content and interpretation. Prerequisites: BIB 113, BIB 123.
- BIB 463** **Biblical Backgrounds** **3 hours**
Fall, 1997, and alternate years. 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, BIB 123.
- BIB 498** **Special Topics** **3 hours**
Every semester. Topics of interest to students not covered in depth in other courses will be considered. Prerequisites: Sophomore status and three hours of Bible.
- BIB 499** **Independent Study** **1 - 4 hours**
On demand. See page 30.

HISTORICAL/THEOLOGICAL STUDIES

- HTH 303** **Baptist and American Church History** **3 hours**
Spring, 1998, and alternate years. Also **HIS 303**. Continuation of **HTH 353**. Follows the progress of the Christian movement from Europe to the American colonies. The major emphasis is on the development of Baptist and Evangelical Christianity in the United States.
- HTH 323** **Christian Missions** **3 hours**
On demand. A survey of Christian missions throughout the world, with special emphasis upon the missionary activities and techniques of Southern Baptists, usually taught by the visiting missionary-in-residence.
- HTH 333** **Psychology of Religion** **3 hours**
Spring, 1998, and alternate years. Also **PSY 333**. Designed to help the student understand and relate to the varied processes involved in religious experiences. Special attention is given to the conversion experience, religious motivation and the impact of group dynamics.
- HTH 353** **History of Christianity** **3 hours**
Every Fall. Also **HIS 353**. A study of the significant movements within the church from New Testament times through the Reformation. Special emphasis is given to the ancient Christian Church, the Church Fathers, heresies, monasticism, the Papacy, and the practices and problems of the Church.
- HTH 373** **Christian Doctrines** **3 hours**
Every Fall. A systematic study of the major doctrines of the Christian religion, including revelation and the Bible, the Trinity, the doctrine of man, the atonement, salvation and Christian growth, the church and its ordinances, and eschatology. Prerequisites: BIB 113, BIB 123.
- HTH 375** **Contemporary Theology** **3 hours**
On demand. Begins with a brief background of the development of Protestant Liberal Theology starting with Schleiermacher. Then, more attention is given to twentieth century school of theological thought: Neo-Orthodox, Existential, Process, Theology of Hope and Liberation Theology.
- HTH 396** **Historical/Theological Tutoring** **2 hours**
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.
- HTH 463** **World Religions** **3 hours**
Spring, 1997, and alternate years. Also **PHI 463**. A study of the major religions of the world, both ancient and contemporary, with emphasis upon primitive religion, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam and Judaism.

HTH 498 **Special Topics** **3 hours**
 Every semester. Topics of interest to students not covered in depth in other courses will be considered. Prerequisites: Sophomore status and three hours of Bible.

HTH 499 **Independent Study** **1 - 4 hours**
 On demand. See page 30.

PRACTICAL MINISTRIES

MIN 201 **Development in Ministries** **3 hours**

On demand. This course introduces the student to Christian ministries in a practical manner, to prepare him/her for more mature study and experience of ministry. It involves the student in personal observation of ministry and direct contact with ministers. The student may choose to register concurrently for internship credit of no more than two hours.

MIN 203 **Introduction to Youth Ministry** **3 hours**

On demand. A study of Christian youth ministry and its relationship to the local church. Attention will be given to preparation and planning for youth ministry and its impact on the lives of adolescents.

MIN 213 **A Survey of Christian Education** **3 hours**

Fall, 1996, and alternate years. An introduction to the development of Christian education from the Early Church to modern times, focusing on major movements, philosophies, and people. Special attention will be given to the objectives of educational programs in the local church.

MIN 243 **Church Administration** **3 hours**

Spring, 1997, and alternate years. A study of the basic functional areas in the practice of administration. Special attention is given to management principles and leadership development to help make these effective in the local church.

MIN 270 **Christian Drama** **3 hours**

On demand. Also **TRE 270**. A creative Christian dramatics lab with opportunities to perform for churches and other groups. Emphasis is on directing, selecting and editing, as well as performing religious drama with a Christian message or to correlate Christian drama with music. Ways and means of utilizing dramatic activity, organizing a drama group and training the inexperienced within a church are studied.

MIN 315 **Basic Christian Discipleship** **3 hours**

Every semester. An introductory study of the basic disciplines of Christian Discipleship focusing on the formation of character, values, disciplines, and habits, especially related to the inner development of spirituality. The study makes use of some of the Christian devotional classics.

MIN 323 **Evangelism** **3 hours**

On demand. A study of the history, theology, principles and methods of New Testament evangelism, including personal, church, and mass evangelism. Each student will be encouraged to do personal work as a part of this course. Prerequisites: BIB 113, BIB 123.

MIN 363 **Instructional Technology** **3 hours**

Every semester and every Summer. Also **EDU 363**. A survey of the role of audiovisual aids, projected and non-projected, in learning and communication with emphasis on the selection, preparation, evaluation and utilization of such materials and equipment. Recommended Prerequisites: EDU 303 and EDU 313.

MIN 373 **Pastoral Ministry** **3 hours**

On demand. A study of the philosophy and practice of pastoral work. Emphasis is given to the caring and nurturing practices involved in the ministry. A special focus is given to assist students in their ability to synthesize pastoral work with their place of service.

MIN 383 **Homiletics** **3 hours**

On demand. A study of principles and practice of preaching, types of sermons, principles and procedure of sermon preparation and delivery. Students will prepare and deliver several sermons during the course. Prerequisites: BIB 113, BIB 123.

MIN 393 **Hymnology** **3 hours**

Fall, 1996, and alternate years. Also **MCH 393**. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnology. No musical background is required.

MIN 396 **Practical Ministries Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

MIN 415 **Evangelism in the Contemporary Church** **3 hours**

Every semester. The growing secularism of society has brought forth new challenges to traditional evangelistic methods and techniques. Some have responded to the challenge with new and innovative means to reach secularized man. This course will acquaint students with some outstanding examples of contemporary local church evangelism. Students will examine these approaches and evaluate them critically in light of scriptural, theological, and practical concerns. Above all, this course will allow students the opportunity of interacting first-hand with a church on the cutting edge of evangelism.

MIN 443 **Leadership for Ministry** **3 hours**

Spring, 1998, and alternate years. An exploration of leadership within the context of Christian ministry. Special attention is given to the study of leadership theories, leadership behavior and the implementation of leadership principles.

MIN 497 **Ministerial Internship** **1 - 3 hours**

Every semester. This field education course involves the student in one semester of service with a qualified supervising minister in the ministry setting. An advanced internship can be arranged for the student already engaged in professional ministry who wants further training. Internships are usually available in chaplaincy, church work (pastor, education, music, youth, etc.), Christian social ministries, student work and other areas. Prerequisites: MIN 201, sophomore or higher class status and Instructor's approval.

MIN 498
Special Topics**3 hours**

Every semester. Topics of interest to students not covered in depth in other courses will be considered. Prerequisites: Sophomore status and three hours of Bible.

MIN 499
Independent Study**1 - 4 hours**

Every semester. See page 30.

NEW TESTAMENT GREEK**GRK 274****4 hours****Beginner's Greek I**

Fall, 1997, and alternate years. 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. Prerequisite: Sophomore status or instructor's approval.

GRK 284**4 hours****Beginner's Greek II**

Spring, 1998, and alternate years. 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**3 hours****Advanced Greek Grammar I**

Fall, 1996, and alternate years. For second-year students of the Greek New Testament. Forms, syntax, and prose composition are reviewed. The student is required to translate I 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**3 hours****Advanced Greek Grammar II**

Spring, 1997, and alternate years. 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**2 hours****Greek Tutoring**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

GRK 499**1 - 4 hours****Independent Study**

Every semester. See page 30.

College of Communications and Fine Arts

COLLEGE DESCRIPTION

Grand Canyon University offers the rare opportunity to pursue the study of Communications and the Arts within a Christian comprehensive university.

The College of Communications and Fine Arts makes available to students the following degree programs, as well as a variety of electives:

Applied Music (Music Performance)	B.A.
Art Education (Certification is required)	B.A.
Church Music	B.M.
Communications	B.A.
Creative Arts in Worship	B.A.
Fine Arts Management	B.A.
Graphic Design	B.A.
Music Education (Certification is required)	B.S.
Piano Performance	B.M.
Speech Teaching (Certification is required)	B.S.
Speech/Theatre	B.A.
Studio Art	B.A.
Theatre/Drama	B.A.
Vocal Performance	B.M.

The following minors are also offered:

Music
Speech
Studio Art
Theatre

The College is dedicated to developing the talent of each student through excellence in the classroom and all performing and fine arts areas. Students from the entire University join with music majors and minors in performing choirs, wind ensembles, jazz band, chamber ensembles, chamber orchestra, handbells, guitar ensemble, opera and a musical theatre production each year.

The Artists-in-Residence program combined with our full-time and adjunct faculty provide quality teaching throughout the entire College.

The College of Communications and Fine Arts is a candidate for accreditation in the National Association of Schools of Music and is currently following the guidelines set forth by NASM.

Recitals, concerts and exhibits by regular performing groups, faculty and Artists-in-Residence provide the University community and the Phoenix area with opportunities to experience distinguished fine arts programs.

Art, Music, Theatre and Speech scholarships are available by audition and/or portfolio review.

Specific policies and procedures for music majors and minors listed in the Music Student Handbook which is available at the University Bookstore. Majors and minors are responsible for meeting these requirements.

The College of Communications and Fine Arts endeavors to give its theatre and speech students a complete education.

To that end, the Theatre and Speech majors and minors, as well as the Theatre and Drama majors and minors, have been developed to allow the student a balance between academics and practical application of academics through performance.

Communications, Creative Arts in Worship, and Fine Arts Management majors are offered unique, interdisciplinary fields of study.

* PRESCRIBED LIBERAL ARTS FOUNDATION COLLEGE OF COMMUNICATIONS AND FINE ARTS

- I. Biblical Understanding:** 6 hours
BIB 101 or BIB 113 Old Testament
Survey/History (3) and
BIB 102 or BIB 123 New Testament
Survey/History (3)

OR

One of the above courses (3) and
UNV 204 Faith and Living:
Issues for the 21st Century (3)

- II. Written Communication:** 3 - 6 hours
Pass the Writing Proficiency Examination and
ENG 101 Academic Writing (3) and
ENG 102 Research Writing (3)

OR

ENG 103 Honors English (3)*

- III. Fine Arts:** 12 hours
Art (3)
Music (3)
Theatre (3)
SPC 113 or COM 123 (3)

- IV. Social Sciences and Humanities:** 9 hours
Choose from:
Language, Literature, Geography,
History, Political Science, Philosophy,
Psychology, Sociology, Economics,

- V. Science and Healthful Living:** 6 - 7 hours
Laboratory Sciences (4)
Physical Education or Health Education (2 - 3)

- VI. Mathematics:** 3 hours
MAT 100 Mathematical Concepts or higher (3)

- VII. Computer Applications:** 3 hours
Choose from courses with the CAM prefix.

Total P.L.A.F. requirements: 42 - 46 hours

* Music Education, Art Education, and Speech Teaching majors must follow the P.L.A.F. requirements as outlined by the College of Education (See page 94).

College Description

Prescribed Liberal Arts
Foundation

Departments

Art

Communications/Speech

Music

Theatre/Drama

Department of Art

Department Description

DEPARTMENT DESCRIPTION

Degree Requirements

Majors

Art Education

Graphic Design

Studio Art

Minor

Studio Art

Course Descriptions

The education of an artist is best accomplished when there is an emphasis on the development of visual capacity together with the full realization of intellectual and spiritual growth. Bachelor of Arts degrees are offered in Art Education, Graphic Design and Studio Art. The Art Education program equips the student with the knowledge and skills necessary to teach art in the elementary or secondary classroom. Graphic Design majors receive classroom instruction from graphic artists, computer training, professional portfolio development and internships. The Studio Art program provides a specialization in two-dimensional or three-dimensional art.

Both full and part-time faculty bring professional experience and artistic talent to the classroom. Courses 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. Lower division courses are open to all students with no prerequisites.

Scholarships are available through portfolio review.

The A. P. Tell Gallery Series features international works, national and local artists, as well as student exhibitions.

DEGREE REQUIREMENTS — ART EDUCATION (B.A. DEGREE; No Minor Required)

Entrance into the Art Education major will require successful completion of ART 111 Drawing I, DGN 112 Two-Dimensional Design, DGN 115 Three-Dimensional Design, and three hours in a selected art area. A 3.00 grade point average must be achieved in the above courses. A review by art faculty will help to direct the student's academic pursuit.

Prescribed Liberal Arts Foundation For Teacher Education Programs (page 94)

Admission to Teacher Education Programs (pages 92-93)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Secondary Certification Required (pages 95-96)

Anyone seeking K-12 endorsement must also student teach art at the elementary level.

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Art Education Major *

ARE 323 Art Media and Methods for the Elementary Teacher	3 hours
ARE 423 Art in the Secondary School	3 hours
ARH 233 Art History I	3 hours
ARH 234 Art History II	3 hours
ARH — Art History Elective	3 hours
ART 111 Drawing I	3 hours
ART 201 Photography I	3 hours

ART 213 Basic Shop Techniques	3 hours
ART 223 Painting I	3 hours
ART 263 Ceramics I	3 hours
ART — Studio Art Electives	12 hours
DGN 112 Two-Dimensional Design	3 hours
DGN 115 Three-Dimensional Design	3 hours

Total Major Hours 48

+ Six (6) hours must be upper division credit.

* Please refer to the College of Education for **secondary certification** requirements. K-12 Endorsement is available with 16 hours of student teaching (EED 480 - grades K-6 and SED 480 - grades 7-12).

DEGREE REQUIREMENTS — GRAPHIC DESIGN (B.A. DEGREE; No Minor Required)

Entrance into the Graphic Design major will require successful completion of ART 111 Drawing I, DGN 112 Two-Dimensional Design, DGN 223 Advertising Design, and DGN 233 Graphic Design I. A 3.00 grade point average must be achieved in the above courses. A review by art faculty will help to direct the student's academic pursuit.

Prescribed Liberal Arts Foundation for the College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Graphic Design Major

ARH 233 Art History I	3 hours
ARH 234 Art History II	3 hours
ART 111 Drawing I	3 hours
ART 201 Photography I	3 hours
ART 211 Drawing II	3 hours

ART 301	Photography II	3 hours
—	DGN, ART, or ARH Electives	6 hours
ART 431	Portfolio Preparation	3 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 223	Advertising Design	3 hours
DGN 263	Computer Graphics	3 hours
DGN 233	Graphic Design I	3 hours
DGN 333	Graphic Design II	3 hours
DGN 363	Computer Graphics II	3 hours
DGN 433	Graphic Design III	3 hours
DGN 411	Design Internship	3 hours
DGN 412	Design Internship	3 hours
EDU 463	Presentational Technology	3 hours
SPC 113	Fundamentals of Speech	3 hours

Total Major Hours 60

DEGREE REQUIREMENTS — STUDIO ART (B.A. DEGREE; No Minor Required)

Entrance into the Studio Art major will require successful completion of ART 111 Drawing I, DGN 112 Two-Dimensional Design, DGN 115 Three-Dimensional Design, and three hours in a selected art area. A 3.00 grade point average must be achieved in the above courses. A review by art faculty will help to direct the student's academic pursuit.

Studio Art major will prepare and exhibit a Senior Art Show.

Prescribed Liberal Arts Foundation for the College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Studio Art Core (Required for all Studio Art majors.)

ARH 233	Art History I	3 hours
ARH 234	Art History II	3 hours
ARH —	Art History Elective	3 hours
ART 111	Drawing I	3 hours
ART 211	Drawing II	3 hours
ART 213	Basic Shop Techniques	3 hours
ART 223	Painting I	3 hours
ART 231	Sculpture I	3 hours
ART 263	Ceramics I	3 hours
ART 431	Portfolio Preparation	3 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 115	Three-Dimensional Design	3 hours

Total Studio Art Core Hours 36

Two-Dimensional or Three-Dimensional Emphasis 24 hours

Total Major Hours 60

Additional Emphasis Requirements (Select One):

1.) Two-Dimensional Emphasis	12 hours
ART —	Art Elective (3)
ART 201	Photography I (3)
ART 252	Printmaking I (3)
ART 323	Painting II (3)

Upper Division Electives	12 hours
(No more than two medias represented)	
ART 311	Drawing III (3)
ART 411	Drawing IV (3)
ART 301	Photography II (3)

ART 351	Photography III (3)
ART 451	Photography IV (3)
ART 352	Printmaking II (3)
ART 452	Printmaking III (3)
ART 462	Printmaking IV (3)
ART 423	Painting III (3)
ART 433	Painting IV (3)

Total Two-Dimensional Emphasis Hours 24

2.) Three-Dimensional Emphasis 12 hours

ART —	Art Elective (3)
ART 363	Ceramics II (3)
ART 272	Jewelry I (3)
ART 331	Sculpture II (3)

Upper Division Electives 12 hours

(No more than two medias represented)

ART 383	Ceramics III (3)
ART 483	Ceramics IV (3)
ART 372	Jewelry II (3)
ART 472	Jewelry III (3)
ART 482	Jewelry IV (3)
ART 341	Sculpture III (3)
ART 441	Sculpture IV (3)

Total Three-Dimensional Emphasis Hours 24

MINOR REQUIREMENTS — STUDIO ART *

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

ARH 233	Art History I	OR	
ARH 234	Art History II		3 hours
ART 111	Drawing I		3 hours
+ ART —	Studio Art Electives		9 hours
DGN 112	Two-Dimensional Design	OR	
DGN 115	Three-Dimensional Design		3 hours

Total Minor Hours 18

* Students wanting to use Studio Art as a teaching minor must take ARE 323 and ARE 423 to increase hours to 24. Please refer to the College of Education for certification requirements.

+ Three (3) hours must be Upper Division credit.

ART EDUCATION

ARE 323 3 hours

Art Media and Methods for the Elementary Teacher

On demand. Introduction to the language and structure of art education with an emphasis on practical hands-on experiences suitable for children at various elementary levels. Includes specific knowledge of two- and three-dimensional processes, classroom observation and actual teaching experience. Attention is also given to the study of the art work of children of all ages from early childhood to mid-adolescence. Prerequisite: Admission to the College of Education and junior status.

ARE 423 3 hours

Art in the Secondary School

On demand. Exploration of materials, theory, and organization for presenting art activities and development in the arts for students on the secondary school level. Prerequisite: Admission to the College of Education and junior status.

ART HISTORY

ARH 100 **3 hours**
Art Appreciation

Every semester. Designed specifically for non-art majors and minors with emphasis on the meaning of art as it relates to the personal interests of each individual. The understanding of art will be pursued by examining its history and by personal observation through field trips, slides and videos.

ARH 233 **3 hours**
Art History I

Fall, 1996, and alternate years. A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art up to the Renaissance.

ARH 234 **3 hours**
Art History II

Spring 1997, and alternate years. A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-Classical, Romantic and Modern epochs.

ARH 396 **2 hours**
Art History Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular course work. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

ARH 439 **3 hours**
Contemporary Art

Spring, 1998, and alternate years. Recent and current trends in art with special consideration of Post-Modernism and new concepts with medias and modes of presentation.

ARH 442 **3 hours**
American Art

Fall, 1997, and alternate years. History of art in the United States from European settlement of the New World to today.

ART STUDIO

ART 111 **3 hours**
Drawing I

Every semester. Introduction to the basic elements of line, value, texture, and surface manipulation with emphasis on composition and dry media usage such as pencils and charcoal.

ART 201 **3 hours**
Photography I

Every semester. 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.

ART 211 **3 hours**
Drawing II

Every Spring. Exploration of rendering objects and the figure through the use of a variety of wet and dry media, color pencils, chalks, and washes, as well as mixed medias. Prerequisite: ART 111 or instructor's approval.

ART 213 **3 hours**
Basic Shop Techniques

Every Fall. 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 operation of shop equipment.

ART 223 **3 hours**
Painting I

Fall, 1996, and alternate years. Introduction to the preparation, use of materials, and methods with an emphasis on color theory and effects of color and harmony. Prerequisite: ART 111.

ART 231 **3 hours**
Sculpture I

Every semester. An introduction to the sculpting processes of carving, modeling, and fabricating, emphasizing volume, movement and space.

ART 252 **3 hours**
Printmaking I

Fall 1997, and alternate years. An introduction to basic techniques of printmaking such as etching, monoprinting, aquatint, and linocut processes. Creative ideas will be emphasized as well as the development of basic technical skills. Prerequisite: ART 111.

ART 263 **3 hours**
Ceramics I

Every semester. An introduction to the nature of clay and glazes, with an emphasis being placed on the forming techniques of hand-building and the use of the potter's wheel.

ART 272 **3 hours**
Jewelry I

Every semester. An introduction to the basic jewelry processes of working with metal and silversmithing techniques, lost-wax casting, ceramic jewelry, fused glass, mixed media, polyforms and plastics.

ART 301 **3 hours**
Photography II

Every Spring. A course designed to expand the student's knowledge and use of materials and techniques available as tools for creative expression in black-and-white photography. Prerequisite: ART 201.

ART 311 **3 hours**
Drawing III

By arrangement. Advanced studio problems and techniques in drawing. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 111 and ART 211.

ART 323 **3 hours**
Painting II

Spring 1997, and alternate years. Technique of underpainting, glazing, impasto, direct easel wets, and emphasis on color thinning and experimentation. Prerequisite: ART 223 or instructor's approval.

ART 331 **3 hours**
Sculpture II

Every Spring. Continued exploration of sculpting processes of casting, welding and plastics. Prerequisite: ART 231.

ART 332 **3 hours**
Art Workshop

Every Summer. Designed to offer the student the opportunity to experience the use of a special process or medium in a workshop setting. May be repeated for credit under different medium titles.

ART 341 **Sculpture III** **3 hours**

By arrangement. Advanced studio problems and techniques in sculpture. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 231 and ART 331.

ART 351 **Photography III** **3 hours**

By arrangement. Advanced studio problems and techniques in photography. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 201 and ART 301.

ART 352 **Printmaking II** **3 hours**

Spring 1996, and alternate years. In-depth exploration of printmaking processes with emphasis on developing awareness in contemporary application. Photographic processes will be examined. Prerequisite: ART 252.

ART 363 **Ceramics II** **3 hours**

Every Spring. Continued studio problems in the process of forming clay. Emphasis is also placed on glaze application and surface decoration. Prerequisite: ART 263.

ART 372 **Jewelry II** **3 hours**

Every Spring. A continuation of the techniques of jewelry-making with advanced problems in fabrication and casting. Emphasis will be on creative design and developing an awareness of contemporary trends.

ART 383 **Ceramics III** **3 hours**

By arrangement. Advanced studio problems and techniques in ceramics. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 263 and ART 363.

ART 396 **Art Studio Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

ART 411 **Drawing IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in drawing. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 311.

ART 423 **Painting III** **3 hours**

By arrangement. Advanced studio problems and techniques in painting. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 223 and ART 323.

ART 433 **Painting IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in painting. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 423.

ART 431 **Portfolio Preparation** **3 hours**

Every semester. The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and résumé. Prerequisite: Instructor's approval.

ART 441 **Sculpture IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in sculpture. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 341.

ART 451 **Photography IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in photography. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 351.

ART 452 **Printmaking III** **3 hours**

By arrangement. Advanced studio problems and techniques in printmaking. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 252 and ART 352.

ART 462 **Printmaking IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in printmaking. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 452.

ART 472 **Jewelry III** **3 hours**

By arrangement. Advanced studio problems and techniques in jewelry. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 272 and ART 372.

ART 482 **Jewelry IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in jewelry. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 472.

ART 483 **Ceramics IV** **3 hours**

By arrangement. Continuation of advanced studio problems and techniques in ceramics. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval and ART 383.

DESIGN STUDIO

DGN 112 **Two-Dimensional Design** **3 hours**

Every Fall. Basic principles of art such as color, shape, line and form are explored in laboratory and lecture. Also examines the communicative value of visual images.

DGN 115 **Three-Dimensional Design** **3 hours**

Every Spring. Explores basic principles of the structural aspects of plastic arts, with emphasis on the analysis of volume and space relationships.

DGN 223 **Advertising Design** **3 hours**

Every semester. An introduction to basic guidelines and principles for developing successful advertising designs will be explored through studio work and lecture. No drawing experience is necessary.

DGN 233 **Graphic Design I** **3 hours**

Every Fall. An introduction to the visual organization of design elements and instruction in the use of equipment and tools of the professional designer. Prerequisite: ART 111.

DGN 263**3 hours****Computer Graphics I**

Every semester. Computer image creation, transformation, and manipulation using the Macintosh platform to develop designs and publications generated in graphic software. Prerequisite: DGN 112 or DGN 223.

DGN 333**3 hours****Graphic Design II**

Every Spring. 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. Prerequisite: DGN 233.

DGN 363**3 hours****Computer Graphics II**

Every Spring. Continuation of advanced study and development of design generated in graphic software. Prerequisite: DGN 263.

DGN 396**2 hours****Design Studio Tutoring**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

DGN 411**3 hours****Graphic Design Internship I**

Every semester. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, acceptance into Graphic Design Program, and instructor's approval.

DGN 412**3 hours****Graphic Design Internship II**

Every semester. Continuation of **DGN 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: DGN 411.

DGN 433**3 hours****Graphic Design III**

Fall, 1997, and alternate years. Advanced principles in the development of visual communications concepts and creative problem solving. Further development in applications of publications, posters, and packaging. Introduction to campaign presentational skills. Prerequisite: DGN 333.

Department of Communications and Speech

DEPARTMENT DESCRIPTION

The Communications and Speech Department seeks to enable students to communicate effectively, think critically, and develop skills in a variety of disciplines. Courses are designed to provide students with skills in the areas of Art, Business, Education, English, Journalism, Music, and Speech. This experience will provide students with the preparation for professional work in the fields of Communications, Creative Arts in Worship, Fine Arts Management, and Speech Teaching.

The Department of Communications and Speech also supports a competitive speech team that offers several performance opportunities.

PERFORMANCE ENSEMBLES

Canyon Tales, comprised of prospective teachers, performs a variety of literature in both public and private schools.

Word Power, Inc. is dedicated to sharing and spreading Christ's love through dramatic presentations and creative worship.

Performance and participation scholarships are available by application.

PUBLICATION LABS

Canyon Echoes, newspaper.

Canyon Trails, yearbook.

Both publications are staffed and edited by students under faculty leadership.

ADMITTANCE TO COMMUNICATIONS DEGREE PROGRAM

The Communications major offers a unique interdisciplinary field of study. Course work comes from the areas of Art, Business, Education, English, Journalism, and Speech. The degree is broadly based in order to provide a wide variety of experiences. An area of emphasis is provided to prepare the student for professional work in the field of broadcasting, journalism, photojournalism, and public relations. Students should be advised that some employment opportunities will require a graduate degree.

In order to become a candidate for the Communications degree the student must satisfy the following requirements:

1. Completion of 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 GPA on work attempted at Grand Canyon University.
2. Completion of the lower division courses in the Communications major.
3. Pass the Writing Proficiency Examination.
4. Completion of the Prescribed Liberal Arts Foundation Written Communication requirements.

5. Application to the Communications Standards Committee. The application procedure requires a completed application form, three references and an interview with the committee.

Application Packets are available in the University Bookstore. Deadlines are the first Fridays in October and February.

Admission to Grand Canyon University does not guarantee acceptance into the Communications program.

DEGREE REQUIREMENTS — COMMUNICATIONS (B.A. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for the College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Additional Emphasis Hours Required

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Communications Major Core *

Lower Division:

ART 201 Photography I	3 hours
CAM 180 Microcomputer Applications (A, D, G)	3 hours
COM 003 Communications Orientation	0 hours
DGN 223 Advertising Design	3 hours
DGN 263 Computer Graphics I	3 hours
ENG 201 Intermediate Grammar	3 hours
JRN 200 News Writing and Reporting	3 hours
JRN 201 Publications I - Yearbook	3 hours
SPC 113 Fundamentals of Speech	3 hours
SPC 292 Group Discussion	3 hours

Lower Division Total Hours 27

Upper Division:

CIS 301 Principles of Information Systems	3 hours
COM 301 Broadcasting	3 hours
COM 310 Principles of Public Relations	3 hours
EDU 463 Presentational Technology	3 hours

Department Description

Admittance to Communications Degree Program

Degree Requirements

Majors

Communications

Creative Arts in Worship

Fine Arts Management

Speech Teaching

Minor

Speech

Course Descriptions

ENG 301	Advanced Composition	3 hours
ENG 313	Business and Technical Writing	3 hours
JRN 314	Small Newspaper I	3 hours
SPC 398	Communications and the Media	3 hours

Upper Division Core Hours	24
Total Communications Core Hours	51

Additional Emphasis Requirements (Select One) *

1. Broadcasting Emphasis

COM 307	Sports Broadcasting (3) or	
COM 399	Broadcasting Practicum (3)	3 hours
COM 417	Broadcasting Internship	3 hours
COM 418	Broadcasting Internship	3 hours
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours

Total Emphasis Hours	18
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2. Journalism Emphasis

COM 411	Journalism Internship	3 hours
COM 412	Journalism Internship	3 hours
ENG 401	Seminar in Writing (Journalism)	3 hours
JRN 300	Advanced News Writing and Reporting	3 hours
JRN 414	Small Newspaper II (2 semesters)	6 hours

Total Emphasis Hours	18
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3. Photojournalism Emphasis

ART 301	Photography II	3 hours
COM 413	Photojournalism Internship	3 hours
COM 414	Photojournalism Internship	3 hours
JRN 243	Photojournalism I	3 hours
JRN 343	Photojournalism II	3 hours
JRN 383	Publications Photography	3 hours

Total Emphasis Hours	18
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4. Public Relations Emphasis

COM 415	Public Relations Internship	3 hours
COM 416	Public Relations Internship	3 hours
JRN 300	Advanced News Writing and Reporting	3 hours
MKT 301	Principles of Marketing	3 hours
MKT 304	Promotion	3 hours
SPC 311	Advanced Public Speaking	3 hours

Total Emphasis Hours	18
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* Course descriptions for Communications courses can be found under the areas of Art, Business, Education, English, Journalism, Music, Philosophy, and Speech.

DEGREE REQUIREMENTS — CREATIVE ARTS IN WORSHIP (B.A. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for the
College of Communications and Fine Arts (page 63)

Electives (As needed to satisfy the 128 semester hour minimum
graduation requirement)

Additional Emphasis Hours Required

Courses are listed alphabetically by prefix, not in the order they
should be taken. See Academic Advisor for sequence.

Creative Arts in Worship Major Core

ARH 100	Art Appreciation	3 hours
ART 201	Photography I	3 hours

BUS 307	Business Communications	3 hours
CAM 180	Microcomputer Applications (A,D,G)	3 hours
CAW 100	Worship Seminar (1 hour each)	2 hours
CAW 200	Worship Seminar (1 hour each)	2 hours
CAW 300	Worship Participation (2 hours each)	4 hours
EDU 313	Educational Psychology	3 hours
EDU 463	Presentational Technology	3 hours
MCH 378	Music in Worship	3 hours
MCH 393	Hymnology	3 hours
MUS 252	Music Appreciation	3 hours
PSY 101	General Psychology	3 hours
SPC 113	Fundamentals of Speech	3 hours
TRE 270	Christian Drama	3 hours

Total Creative Arts in Worship Core Hours	47
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Christian Studies Core

BIB 113	Old Testament History	3 hours
BIB 123	New Testament History	3 hours
HTH 333	Psychology of Religion	3 hours
HTH 373	Christian Doctrines	3 hours
* MIN 210	Development in Ministry	3 hours
MIN 315	Basic Christian Discipleship	3 hours
MIN 323	Evangelism	3 hours
MIN 443	Leadership for Ministry	3 hours

Total Christian Studies Core Hours	21
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Total Core Hours	68 hours
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Additional Emphasis Requirements (Select One)

1. Music Emphasis

CAW 410	Worship Internship	3 hours
CAW 411	Worship Internship	3 hours
MAP —	Major Applied Instrument or Voice (Italian Diction recommended)	4 hours
MAP —	Secondary Applied Piano or Voice	2 hours
MEN —	Ensemble	3 hours
MUS 009	Recital Attendance (4 semesters required)	0 hours
† MUS 191A	Aural Perception	2 hours
† MUS 191B	Harmony	2 hours
MUS 281	Fundamentals of Conducting (2) OR	
MUS 381	Conducting I (2)	2 hours

Total Emphasis Hours	21
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† Must be taken concurrently.

2. Speech/Performance Studies Emphasis

CAW 412	Worship Internship	3 hours
CAW 413	Worship Internship	3 hours
SPC 292	Group Discussion	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours
SPC 420	Readers Theatre Workshop	3 hours

Total Emphasis Hours	21
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3. Theatre Emphasis

CAW 414	Worship Internship	3 hours
CAW 415	Worship Internship	3 hours
TRE 120	Introduction to the Theatre	3 hours
TRE 140	Stagecraft	3 hours
TRE 150	Acting I	3 hours
TRE 345	Scene Design (3) OR	
TRE 440	Stage Lighting and Design (3)	3 hours
TRE 498	Stage Direction	3 hours

Total Emphasis Hours	21
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ADMITTANCE TO FINE ARTS MANAGEMENT DEGREE PROGRAM

The Fine Arts Management major offers a unique interdisciplinary field of study involving management and support services in cultural agencies, institutions, or activities concerned with artists and their work. The program is designed to prepare its graduates for careers with museums, orchestras, choral societies, galleries, theaters, and other arts organizations, predominately within the not-for-profit sector. Coursework comes from the areas of Art, Music, Theatre, Business, and Communications. Students should be advised that some employment opportunities will require a graduate degree.

In order to become a candidate for the Fine Arts Management degree, the student must satisfy the following requirements:

1. Completion of 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 GPA on work attempted at Grand Canyon University.
2. Completion of the lower division courses in the Fine Arts Management major.
3. Pass the Writing Proficiency Examination.
4. Completion of the Prescribed Liberal Arts Foundation for the College of Communications and Fine Arts Written Communications requirements.
5. Application to the Communications Standards Committee. The application procedure requires a completed application form, three references, and an interview with the committee.

Admission to Grand Canyon University does not guarantee acceptance into the Fine Arts Management Program.

DEGREE REQUIREMENTS — FINE ARTS MANAGEMENT A. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for the
College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Additional Emphasis Hours Required

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Fine Arts Management Major Core *

Lower Division:

ACC 211	Financial Accounting	3 hours
ACC 212	Managerial Accounting	3 hours
ART 201	Photography I	3 hours
CAM 180	Computer Application Modules (WordPerfect, Pagemaker, Beginning Spreadsheets)	3 hours
DGN 223	Advertising Design	3 hours
DGN 263	Computer Graphics	3 hours
ECN 201	Macroeconomic Principles (3) or	
ECN 202	Microeconomic Principles (3)	3 hours
FAM 201	Introduction to Fine Arts Management	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 292	Group Discussion	3 hours

30 hours

Upper Division:

BUS 310	Business Law I	3 hours
IS 310	Principles of Information Systems	3 hours
COM 301	Principles of Public Relations	3 hours
EDU 463	Presentational Technology	3 hours
ENG 313	Business and Technical Writing	3 hours

FAM 301	Principles of Fine Arts Management	3 hours
FAM 411	Fine Arts Management Internship I	3 hours
FAM 412	Fine Arts Management Internship II	3 hours
MGT 301	Principles of Management	3 hours
MKT 301	Principles of Marketing	3 hours
SPC 398	Communication and Mass Media	3 hours

33 hours

Total Fine Arts Management Degree Hours: 63

ADDITIONAL EMPHASIS REQUIREMENTS (Select One)*

1. Art

ARH 233	Art History I	3 hours
ARH 234	Art History II	3 hours
ARH 439	Contemporary Art History	3 hours
ART 301	Photography II	3 hours
ART 399	Practicum - Gallery Operation and Management	3 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 115	Three-Dimensional Design	3 hours
DGN 233	Graphic Design I	3 hours

Total Art Emphasis Hours: 24

2. Music

MUS 105	Fundamentals of Music	2 hours
MUS 371	Music History to 1750	3 hours
MUS 372	Music History from 1750	3 hours
MUS 399	Practicum - Music Management	3 hours
MEN/MAP	Any combination of ensembles or applied studies	7 hours

Electives Chosen from the Following 6 hours

MED 442	Instrumental Literature and Pedagogy (3)
MUS 225	Survey of Jazz in America (3)
MUS 373	Piano Literature I (3)
MUS 375	Song Literature I (3)
MUS 471	Choral Literature I (3)

Total Music Emphasis Hours: 24

3. Theatre

TRE 120	Introduction to Theatre	3 hours
TRE 150	Acting I	3 hours
TRE 140	Stagecraft (3) or	
TRE 340	Stagecraft (3)	3 hours
TRE 370	Theatre History I	3 hours
TRE 371	Theatre History II	3 hours
TRE 399	Practicum - Theatre Management	3 hours

Electives chosen from the following: 6 hours

TRE 200	Theatre Participation (2)
TRE 300	Theatre Participation (2)
TRE 400	Theatre Participation (2)
TRE 345	Scene Design (3)
TRE 346	Costume Design (3)
TRE 375	Dramatic Literature I (3)
TRE 376	Dramatic Literature II (3)
TRE 440	Lighting Design (3)

Total Theatre Emphasis Hours: 24

Total Fine Arts Management Major Hours: 87

DEGREE REQUIREMENTS — SPEECH TEACHING (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for College of Education
Secondary Education Program (page 94)

Admission to Teacher Education Program (pages 92-93)

Minor Required

Secondary Certification Required

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Speech Teaching Major

Core Courses

COM 123	Dramatic Arts for Teachers	3 hours
COM 305	Parliamentary Procedure	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 200	Speech Participation	1 hour
SPC 292	Group Discussion	3 hours
SPC 300	Speech Participation	1 hour
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours

Advanced Studies

SPC 399	Practicum	6 hours
SPC 420	Readers Theatre Workshop	3 hours

Total Speech Teaching Hours 35

DEGREE REQUIREMENTS — SPEECH/THEATRE

For Speech/Theatre Major, see Theatre Department (page 87)

MINOR REQUIREMENTS — SPEECH

SPC 113	Fundamentals of Speech	3 hours
SPC 200	Speech Participation (I) OR	
SPC 300	Speech Participation (I)	1 hour
SPC 292	Group Discussion	3 hours
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours

Total Minor Hours 19

COMMUNICATIONS

COM 003 0 hours

Communications Orientation

Every semester. Meets one time during the semester to acquaint students with the application process for the Communications degree. COM 003 is required of all Communications majors as part of the lower division core.

COM 123 3 hours

Dramatic Arts for Teachers

Every semester. Designed to acquaint prospective teachers with the importance of performance in the classroom. Emphasis is placed on teacher improvisation, performance and individual style. Students will participate in group presentations, role playing, simulation and individual performance. Required for undergraduate education majors.

COM 301 3 hours

Broadcasting

Every Spring. An overview of broadcasting and electronic media for radio and television.

COM 305 3 hours

Parliamentary Procedure

Every Summer. An in-depth study of Parliamentary Procedure both in theory and practice. Research in the history of Parliamentary Law is included. Prerequisite: SPC 113 or SPC 292 or instructor approval.

COM 307 3 hours

Sports Broadcasting

Every Summer. A course designed to teach students the basic components of a sports related radio or television broadcast.

COM 310 3 hours

Principles of Public Relations

Every Fall. An overview of theory and practice of public relations: media relations, promotion, research and campaigns. An application of theory through problem-solving and case study. Prerequisite: Admission to Communications Program or instructor's approval.

COM 399 1 - 4 hours

Practicum

Every Semester. See page 30.

COM 411 3 hours

Journalism Internship I

Every semester. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, admission to Communications Program and instructor's approval.

COM 412 3 hours

Journalism Internship II

Every semester. Continuation of COM 411. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 411.

COM 413 3 hours

Photojournalism Internship I

Every semester. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, admission to Communications Program and instructor's approval.

COM 414 3 hours

Photojournalism Internship II

Every semester. Continuation of COM 413. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 413.

COM 415 3 hours

Public Relations Internship I

Every semester. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, admission to Communications Program and instructor's approval.

COM 416 3 hours

Public Relations Internship II

Every semester. Continuation of COM 415. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 415.

COM 417 **3 hours**
Broadcasting Internship I

Every semester. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, admission to Communications Program and instructor's approval.

COM 418 **3 hours**
Broadcasting Internship II

Every semester. Continuation of **COM 417**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 417.

COM 499 **1 - 4 hours**
Independent Study

Every semester. See page 30.

CREATIVE ARTS IN WORSHIP

CAW 100 **1 hour**
Worship Seminar

Every semester. An introduction to the theory and practice of worship in the local church with emphasis on aesthetics and the creative arts, communication, philosophy, administration, ministry, and theology. The approach is practical and includes journal writing, discussions, and lectures by and interaction with guest speakers. May be repeated for a maximum of two (2) credit hours.

CAW 200 **1 hour**
Worship Seminar

Every semester. Continuation of **CAW 100**. A study of the theory and practice of worship in the local church with emphasis on aesthetics and the creative arts, communication, philosophy, administration, ministry, and theology. The approach is practical and includes journal writing, discussions, and lectures by and interaction with guest speakers, and observations of worship style in local churches. May be repeated for a maximum of two credit hours. Prerequisite: CAW 100.

CAW 300 **2 hours**
Worship Participation

Every semester. As a practicum, students may choose the area of worship ministry in which they are most interested and participate in that area. Students should choose either the music, speech/performance, or theatre fields. Participation may be either on or off campus, or a combination of both, but must be supervised. May be repeated for a maximum of four credit hours. Prerequisite: CAW 200.

CAW 410 **3 hours**
Creative Arts in Worship Internship - Music Emphasis

Every semester. An experiential learning opportunity for students to combine classroom knowledge and theories with real-world ministry applications under the supervision of a minister in the area of music. Prerequisites: CAW 300 and completion of all other emphasis requirements.

CAW 411 **3 hours**
Creative Arts in Worship Internship - Music Emphasis

Every semester. A continuation of **CAW 410**. Real-world ministry applications under the supervision of a minister in the area of music. Prerequisites: CAW 410.

CAW 412 **3 hours**
Creative Arts in Worship Internship - Speech/Performance Emphasis

Every semester. An experiential learning opportunity for students to combine classroom knowledge and theories with real-world ministry applications under the supervision of a minister in the area of speech/performance. Prerequisites: CAW 300 and completion of all other emphasis requirements.

CAW 413 **3 hours**
Creative Arts in Worship Internship - Speech/Performance Emphasis

Every semester. A continuation of **CAW 412**. Real-world ministry applications under the supervision of a minister in the area of speech/performance. Prerequisites: CAW 412.

CAW 414 **3 hours**
Creative Arts in Worship Internship - Theatre Emphasis

Every semester. An experiential learning opportunity for students to combine classroom knowledge and theories with real-world ministry applications under the supervision of a minister in the area of theatre. Prerequisites: CAW 300 and completion of all other emphasis requirements.

CAW 415 **3 hours**
Creative Arts in Worship Internship - Theatre Emphasis

Every semester. A continuation of **CAW 414**. Real-world ministry applications under the supervision of a minister in the area of theatre. Prerequisites: CAW 414.

FINE ARTS MANAGEMENT

FAM 201 **3 hours**
Introduction to Fine Arts Management

On demand. An introduction to the history and workings of fine arts organizations; governing boards, fundraising, grantwriting, publicity, personnel management, programming, and office management of non-profit organizations.

FAM 301 **3 hours**
Principles of Fine Arts Management

On demand. A study of the Principles, procedures, and problem-solving in the various areas of arts management. Prerequisite: FAM 201 or instructor's approval.

FAM 411 **3 hours**
Fine Arts Management Internship I

Every semester. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, admission to Fine Arts Management Program and instructor's approval.

FAM 412 **3 hours**
Fine Arts Management Internship II

Every semester. Continuation of **FAM 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 411.

JOURNALISM

JRN 200 3 hours News Writing and Reporting

Every semester. A course designed for students wishing to learn the basic skills of news writing and reporting.

JRN 201 3 hours Publications I - Yearbook

Every semester. A course designed to give the student basic skills and practical experience in the processes which lead to the production and distribution of a student publication. Laboratory experience provided through various publications such as the University student yearbook, *Canyon Trails*.

JRN 243 3 hours Photojournalism I

Fall, 1996, and alternate years. Explores techniques and skills necessary to take many different types of photographs which communicate and inform the public and appear in large and small publications. Topics include documentary, news, action, environmental, feature, and people photography. Prerequisite: ART 201.

JRN 300 3 hours Advanced News Writing and Reporting

Every semester. A course designed for students who have completed JRN 200 or its equivalent. Students will have the opportunity to expand their news writing and reporting skills through story assignments and freelance writing. Prerequisite: JRN 200 or instructor's approval.

JRN 301 3 hours Publications II - Yearbook

Every semester. Continuation of JRN 201. May be repeated for a maximum of 6 hours of credit. Prerequisite: JRN 201 or instructor's approval.

JRN 314 3 hours Small Newspaper I

Every semester. A course that presents the principles of journalism as they apply to the small newspaper. Laboratory experience provided by the University newspaper. (3 hours maximum.) Prerequisite: JRN 200.

JRN 343 3 hours Photojournalism II

Spring, 1997, and alternate years. A continuation of techniques and skills presented in JRN 243. In addition, students will take assignments in editorial, sequence, pictorial, portrait, and advertising photography. This class provides an opportunity for students to develop a portfolio.

JRN 383 3 hours Publications Photography

Every semester. A course designed to give students practical experience in producing photographs for college publications. Laboratory experience is provided through publications such as *Canyon Trails*, and *Canyon Echoes*.

JRN 399 1 - 4 hours Practicum

Every semester. See page 30.

JRN 414 3 hours Small Newspaper II

Every semester. Continuation of JRN 314. May be repeated for a maximum of 6 hours of credit. Prerequisites: JRN 200, or JRN 314, or instructor's approval.

JRN 499 1 - 4 hours Independent Study

Every semester. See page 30.

SPEECH

SPC 113 3 hours Fundamentals of Speech

Every semester. A basic course which emphasizes voice, diction, and basic principles of oral communication. It is normally a prerequisite to all other courses in speech and communications.

SPC 200 1 hour Speech Participation

Every semester. As a hands-on participation course, students may choose the area of speech in which they are most interested and work in that area. Students should select from either assisting the organization and running of speech tournaments, judging in speech contests or related fields. Prerequisite: Instructor's approval.

SPC 292 3 hours Group Discussion

Spring, 1997, and alternate years. The study of the communication process as it relates to the theory and techniques of group discussion. Participation in discussion groups. Prerequisite: SPC 113 or instructor's approval.

SPC 300 1 hour Speech Participation

Every semester. Same as SPC 200.

SPC 301 1 hour Ensemble Performance (Word Power, Inc./Canyon Tales)

Every semester. Select auditioned ensemble. Provides opportunity for a wide variety of performance experiences: church, community, and competition. Prerequisite: Audition and instructor's approval.

SPC 311 3 hours Advanced Public Speaking

Every Fall. An intense study of the techniques and practice of public speaking. Emphasis is on the development of skills necessary to perform informative, persuasive, and entertaining speeches before audiences. Prerequisite: SPC 113 or instructor's approval.

SPC 318 3 hours Voice and Diction

Every Fall. A basic study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation.

SPC 378 3 hours Oral Interpretation of Literature

Every Spring. A study of the methods and techniques of interpretative oral reading of varied types of literature. Prerequisite: SPC 113, or COM 123, or instructor's approval.

SPC 396 **2 hours**

Speech Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

SPC 398 **3 hours**

Communications and the Media

Every Spring. A study of communication techniques for mass media, print, and electronic media along with emphasis on oral communications will be explored. Prerequisite: Junior or Senior status or instructor's approval.

SPC 399 **1 - 4 hours**

Practicum

On demand. See page 30.

SPC 420 **3 hours**

Readers Theatre Workshop

Every Summer. Designed to give students opportunities for organization, production, and performance of Readers Theatre. A variety of literature will be explored. Audiences will vary. Prerequisite: COM 123 or SPC 378 or instructor's approval.

SPC 499 **1 - 4 hours**

Independent Study

On demand. See page 30.

Department of Music

Department Description

DEPARTMENT DESCRIPTION

Degree Requirements - Bachelor of Arts

Major

Applied Music

Minor

Music

Degree Requirements - Bachelor of Music

Majors

Church Music

Piano Performance

Vocal Performance

Degree Requirements - Bachelor of Science

Major

Music Education

Course Descriptions

The Music Department offers various areas of study for the student desiring to pursue music as a profession; provides classes, ensembles, and private music instruction for students majoring in other fields; and contributes to the cultural environment of the University community. Students may choose programs leading to the Bachelor of Music, Bachelor of Arts, and Bachelor of Science degrees.

The Department is dedicated to developing the musicianship of each student through excellence in the classroom and all performing areas. Students from the entire University join with music majors and minors in performing in a variety of ensembles, opera, and musical productions each year.

Recitals and concerts by students, ensembles, faculty, and artists-in-residence provide the University community and the Phoenix area with opportunities to hear some of the finest music being performed today.

Specific policies and procedures for music majors and minors are listed in the Music Student Handbook which is available in the University Bookstore. Majors and minors are responsible for meeting these requirements.

Scholarships are available by audition.

MUS 392	Form and Analysis	3 hours
	Piano Proficiency	0 hours

Total Music Core Hours 39

* ALL music majors pursuing B.A. or B.M. degrees must complete eight (8) semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the eight (8) may be taken for credit or audit.

† The College of Communications and Fine Arts includes a minimal level of piano performance as a requirement for graduation for all music majors. Four semesters of piano are required to strengthen keyboard skills and assist the student in passing the piano proficiency examination. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

DEGREE REQUIREMENTS — APPLIED MUSIC (B.A. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirements)

Select Emphasis from: Instrumental, Piano/Organ, or Vocal
Minor Required

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Music Core Hours

M—	—	Applied Piano (Keyboard Majors: Voice)	4 hours
MAP	390	Junior Recital	0 hours
MAP	490	Senior Recital	0 hours
* MEN	—	Major Ensemble (one per semester)	8 hours
MUS	009	Recital Attendance (8 semesters)	0 hours
MUS	191A	Aural Perception	2 hours
MUS	191B	Harmony I	2 hours
MUS	192A	Aural Perception II	2 hours
MUS	192B	Harmony II	2 hours
MUS	291A	Advanced Aural Perception I	2 hours
MUS	291B	Advanced Harmony I	2 hours
MUS	292A	Advanced Aural Perception II	2 hours
MUS	292B	Advanced Harmony II	2 hours
MUS	371	Music History I	3 hours
MUS	372	Music History II	3 hours
MUS	381	Conducting I	2 hours

Additional Emphasis Requirements (Select One)

1. Instrumental

Students planning to choose an instrumental concentration must demonstrate an acceptable level of technique, performance, and musical ability as determined by the instrumental faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as an instrumental major. This applies to all degree plans.

Brass, Percussion, Strings, Woodwinds

M—	—	Major Applied Instrument	16 hours
M—	—	Applied Piano	1 hour
MUS	391	Counterpoint	2 hours

Total Emphasis Hours 19

Classical Guitar

M—	—	Applied Classical Guitar	14 hr
M—	—	Applied Studio Guitar	2 hr
M—	—	Applied Piano	1 hour
MUS	391	Counterpoint	2 hours

Total Emphasis Hours 19

Studio Guitar

M— —	Applied Studio Guitar	12 hours
M— —	Applied Classical Guitar	4 hours
MED 351	Instrumental Organization	2 hours
MUS 320	Jazz Improvisation	1 hour

Total Emphasis Hours 19

2. Piano/Organ

Students pursuing a music degree with piano as the major instrument must audition for the piano faculty at the completion of the first semester of study. At this time, students must demonstrate an acceptable level of technical proficiency and musical ability as determined by the piano faculty. Students must be able to perform standard advanced piano literature (Beethoven Sonatas, Bach Preludes and Fugues, Schubert Impromptus, etc.). Students unable to perform at the acceptable level will be admitted to the program on a two semester probationary status. At the end of the second semester of probation, the student must reaudition demonstrating the required technical and musical abilities necessary for admission to piano major status. This applies to all degree plans.

Piano

M— —	Applied Piano	16 hours
MUS 373	Piano Literature I	2 hours
MUS 374	Piano Literature II	2 hours
MUS 391	Counterpoint	2 hours
MUS 420	Advanced Keyboard Skills	1 hour
MUS 425	Piano Pedagogy I	2 hours
MUS 426	Piano Pedagogy II	2 hours
MUS 429	Accompanying	1 hour

Total Emphasis Hours 28

Organ

M— —	Applied Organ	16 hours
MUS 391	Counterpoint	2 hours
MUS 421	Organ Literature and Accompaniment	1 hour
MUS 429	Accompanying	1 hour

Total Emphasis Hours 20

3. Vocal

Students planning to choose voice as their major performing emphasis must demonstrate an acceptable level of technique, performance and music ability as determined by the vocal faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a vocal major. This applies to all degree plans.

M— —	Applied Voice	16 hours
MUS 111	Italian Diction	1 hour
MUS 112	French Diction	1 hour
MUS 211	German Diction	1 hour
MUS 375	Song Literature I	2 hours
MUS 376	Song Literature II	2 hours
MUS 391	Counterpoint	2 hours
MUS 481	Vocal Pedagogy	2 hours

Total Emphasis Hours 27

MINOR REQUIREMENTS — MUSIC

M— —	Major Applied Instrument OR Voice	4 hours
(Music minors choosing piano as their major applied instrument must pass the piano proficiency examination.)		
M— —	Secondary Applied Piano OR Voice	3 hours

MEN —	Ensemble (3 semesters) OR	
MUS 429	Accompanying (Piano emphasis only)	3 hours
MUS 009	Recital Attendance (4 semesters)	0 hours
MUS 111, 112, 211	Italian, French, German Diction (Voice Emphasis Only)	(3 hours)
MUS 191A	Aural Perception I	2 hours
MUS 191B	Harmony I	2 hours
MUS 281, 381	Fundamentals of Conducting OR Conducting I	2 hours
MUS 371, 372	Music History I OR II	3 hours
Total Minor Hours		19 (22)

RECOMMENDED ELECTIVES

MED 232	Woodwind Instrument Class (1)
MED 241	Brass Instrument Class (1)
MED 251	Percussion Instrument Class (1)
MED 262	String Instrument Class (1)
MUS 373	Piano Literature I (2)
MUS 374	Piano Literature II (2)
MUS 375	Song Literature I (2)
MUS 376	Song Literature II (2)
MUS 425	Piano Pedagogy I (2)
MUS 426	Piano Pedagogy II (2)
MUS 481	Vocal Pedagogy (2)

DEGREE REQUIREMENTS —

CHURCH MUSIC

PIANO PERFORMANCE

VOCAL PERFORMANCE

(B.M. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for the College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Courses are listed alphabetically by prefix, not in the order they should be taken. See Academic Advisor for sequence.

Music Core Hours for Bachelor of Music

MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
*MEN —	Major Ensemble (one per semester)	8 hours
MUS 009	Recital Attendance (8 semesters)	0 hours
MUS 191A	Aural Perception I	2 hours
MUS 191B	Harmony I	2 hours
MUS 192B	Aural Perception II	2 hours
MUS 192B	Harmony II	2 hours
MUS 291A	Advanced Aural Perception I	2 hours
MUS 291B	Advanced Harmony I	2 hours
MUS 292A	Advanced Aural Perception II	2 hours
MUS 292B	Advanced Harmony II	2 hours
MUS 371	Music History I	3 hours
MUS 372	Music History II	3 hours
MUS 381	Conducting I	2 hours
MUS 391	Counterpoint	2 hours
MUS 392	Form and Analysis	3 hours
†	Piano Proficiency	0 hours

Total Music Core Hours 41

* ALL Bachelor of Music (B.M.) majors must complete eight (8) semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the eight (8) may be taken for credit or audit.

† The College of Communications and Fine Arts includes a minimal level of piano performance as a requirement for all music majors. Four semesters of applied piano are required to strengthen keyboard skills and assist the student in passing the piano proficiency examination. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

CHURCH MUSIC

Select emphasis from:

Choral Conducting, Instrumental, Keyboard, or Vocal

Church Music Core Hours

CAW 100	Worship Seminar	1 hour
CAW 200	Worship Seminar	1 hour
CAW 300	Worship Participation	2 hours
MCH 330	Instrumental Music in the Church	2 hours
MCH 372	Hymnology	3 hours
MCH 378	Music in Worship	3 hours
MCH 387	Survey of Choir Methods	3 hours
MCH 405	Church Music Internship	3 hours
MCH 471	Choral Literature	3 hours
MED 403	Advanced Rehearsal Techniques	2 hours
MUS 226	Handbell Techniques	2 hours
MUS 282	Conducting II	2 hours
Electives chosen from the following:		8 hours

MED 232	Woodwind Instrument Class (3)
MED 241	Brass Instrument Class (3)
MED 251	Percussion Instrument Class (3)
MED 252	String Instrument Class (3)
MUS 219	Opera Workshop (3)
MUS 318	Recording Studio Producing (3)
MUS 411	Choral Arranging (3)
MUS 462	Orchestration (3)
SPC 398	Communications and the Media (3)
TRE 140	Stage Craft (3)
TRE 270	Christian Drama (3)

Total Church Music Core Hours 35

Additional Emphasis Requirements (Select one):

1. Choral Conducting Emphasis

M— —	Major Applied	12 hours
M— —	Secondary Applied	2 hours
M— —	Applied Voice (Instrument Majors Only)	2 hours
M— 394	Applied Conducting	4 hours
MUS 111	Italian Diction	1 hour
MUS 112	French Diction	1 hour
MUS 211	German Diction	1 hour
MUS 405	Conducting Practicum	1 hour
MUS 481	Vocal Pedagogy	2 hours

Total Emphasis Hours 24 - 26

Total Church Music Core Hours 35

Total Music Core Hours 41

TOTAL HOURS 100 - 102

2. Instrumental Emphasis

M— —	Major Applied Instrument	16 hours
M— 119, 219	Applied Voice	3 hours

Total Emphasis Hours 19

Total Church Music Core Hours 35

Total Music Core Hours 41

TOTAL HOURS 95

3. Keyboard Emphasis

M— —	Major Applied Piano	16 hours
M— —	Secondary Applied	2 hours
M— —	Applied Voice	2 hours
MUS 429	Accompanying	2 hours
MUS —	Advanced Keyboard Skills	1 hour

Total Emphasis Hours 23

Total Church Music Core Hours 35

Total Music Core Hours 41

TOTAL HOURS 99

4. Vocal Emphasis

M— —	Applied Voice	16 hours
MUS 111	Italian Diction	1 hour
MUS 112	French Diction	1 hour
MUS 211	German Diction	1 hour
MUS 481	Vocal Pedagogy	2 hours

Total Emphasis Hours 21

Total Church Music Core Hours 35

Total Music Core Hours 41

TOTAL HOURS 97

PIANO PERFORMANCE

Students pursuing a music degree with piano as the major instrument must audition for the piano faculty at the completion of the first semester of study. At this time, students must demonstrate an acceptable level of technical proficiency and musical ability as determined by the piano faculty. Students must be able to perform standard advanced piano literature (Beethoven Sonatas, Bach Preludes and Fugues, Schubert Impromptus, etc.). Students unable to perform at the acceptable level will be admitted to the program on a two semester probationary status. At the end of the second semester of probation, the student must read audition demonstrate the required technical and musical abilities necessary for admission to piano major status. This applies to all degree plans.

M— —	Applied Piano	30 hours
MUS 373	Piano Literature I	2 hours
MUS 374	Piano Literature II	2 hours
MUS 420	Advanced Keyboard Skills	1 hour
MUS 425	Piano Pedagogy I	2 hours
MUS 426	Piano Pedagogy II	2 hours
MUS 429	Accompanying	1 hour
— —	Electives (French, German, Italian)	8 hours

Piano Performance Hours 48

Bachelor of Music Core Hours 41

TOTAL HOURS 89

Recommended Electives for Piano Performance:

M— 229	Applied Organ (1)
MUS 189	Chamber Music Ensembles (1)
MUS 219	Opera Workshop (1)
MUS 319	Opera Workshop (1)
SPC 378	Oral Interpretation of Literature (3)
TRE 150	Acting I (3)

VOCAL PERFORMANCE

Students planning to choose voice as their major performing emphasis must demonstrate an acceptable level of technique, performance and musical ability as determined by the vocal faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a vocal major. This applies to all degree plans.

FRE 101	Elementary French I	4 hours
GER 101	Elementary German I	4 hours
— —	Additional Foreign Language Electives (French, German, Italian)	8 hours
— —	Applied Voice	30 hours
MUS 111	Italian Diction	1 hour
MUS 112	French Diction	1 hour
MUS 211	German Diction	1 hour
MUS 219	Opera Workshop	1 hour
MUS 375	Song Literature I	2 hours
MUS 376	Song Literature II	2 hours
MUS 481	Vocal Pedagogy	2 hours

Vocal Performance Hours	56
Bachelor of Music Core Hours	41
TOTAL HOURS	97

Recommended Electives for Vocal Performance:

MUS 189	Chamber Music Ensembles (1)
MUS 319	Opera Workshop (1)
MUS 462	Orchestration (2)
SPC 378	Oral Interpretation of Literature (3)
TRE 150	Acting I (3)

DEGREE REQUIREMENTS — MUSIC EDUCATION (B.S. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for the
College of Education, Secondary Education Program (See page 94)

Admission to Teacher Education Programs (pages 92-93)

Secondary Certification Required (pages 95-96)

In order to graduate with K-12 Endorsement, sixteen hours of
student teaching (EED 480 - grades K-6, and SED 480 - grades
7-12) must be completed.

Additional Emphasis Hours Required

Courses are listed alphabetically by prefix, not in the order they
should be taken. See Academic Advisor for sequence.

The Bachelor of Science degree in Music Education is offered with
an emphasis in Choral Conducting or Instrumental Conducting.
Students pursuing a music education major must meet the re-
quirements for Music Core, Music Education Core and Emphasis.

All Music Majors must complete seven semesters of ensemble par-
ticipation according to emphasis (one ensemble per semester). Ad-
ditional hours beyond the seven may be taken for credit or audit.

The College of Communications and Fine Arts includes a minimal
level of piano performance as a requirement for all music majors.
Four semesters of piano are required to strengthen keyboard skills
and assist the student in passing the piano proficiency examina-
tion. If the proficiency is completed early, the student must still
meet the four semester requirement. Students must pass the piano
proficiency before student teaching and before the senior recital.

Music Core

MED 003	Music Educator's National Conference (4 semesters membership)	0 hours
M— —	Major Applied Instrument or Voice	7 hours
M— —	Applied Piano (Keyboard Majors: Voice)	4 hours
MEN —	Major Ensemble (one per semester)	7 hours
MUS 009	Recital Attendance (7 semesters)	0 hours
MUS 191A	Aural Perception I	2 hours
MUS 191B	Harmony I	2 hours
MUS 192A	Aural Perception II	2 hours
MUS 192B	Harmony II	2 hours

MUS 291A	Advanced Aural Perception I	2 hours
MUS 291B	Advanced Harmony I	2 hours
MUS 292A	Advanced Aural Perception II	2 hours
MUS 292B	Advanced Harmony II	2 hours
MUS 371	Music History I	3 hours
MUS 372	Music History II	3 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hours
— —	Piano Proficiency	0 hours

Total Music Core Hours 45

Music Education Core

Secondary Certification			36 hours
MED 232	Woodwind Instrument Class		1 hour
MED 241	Brass Instrument Class		1 hour
MED 251	Percussion Instrument Class		1 hour
MED 252	String Instrument Class		1 hour
*MED 381	Music in the Elementary Grades		3 hours
MED 382	Music in the Junior and Senior High School		3 hours
MUS 167	Class Guitar		1 hour
MUS 382	Conducting II		2 hours

Total Music Education Core Hours 46 - 49

* MED 381 is not required for Secondary certification but
is required for K-12 Endorsement.

Additional Emphasis Requirements (select one):

1. Choral Conducting (Major applied instrument, voice or piano) +		
MAP 390	Junior Recital (Conducting)	0 hours
MAP 394	Applied Conducting	2 hours
MAP 490	Senior Recital (Voice or Piano)	0 hours
MUS 111	Italian Diction	1 hour
MUS 112	French Diction	1 hour
MUS 211	German Diction	1 hour
MUS 391	Counterpoint	2 hours
MUS 405	Conducting Practicum	1 hour
MUS 411	Choral Arranging	2 hours
MUS 471	Choral Literature	3 hours
MUS 481	Vocal Pedagogy	2 hours

Total Emphasis Hours 15

2. Instrumental Conducting

MAP 390	Junior Recital (Conducting)	0 hours
MAP 394	Applied Conducting	2 hours
MAP 490	Senior Recital (Applied Instrument)	0 hours
MED 351	Instrumental Music Organization	2 hours
MED 403	Advanced Rehearsal Techniques	2 hours
MED 442	Instrumental Literature and Pedagogy	2 hours
MUS 320	Jazz Improvisation	1 hour
MUS 391	Counterpoint	2 hours
MUS 405	Conducting Practicum	1 hour
MUS 462	Orchestration	2 hours

Total Emphasis Hours 14

CHURCH MUSIC

MCH 330 2 hours Instrumental Music in the Church

Fall, 1996, and alternate years. Designed to provide the church musician with practical knowledge of church instrumental music. Topics include history of church instrumental music, practical scoring, introduction to all orchestral instruments, rehearsal techniques and building a church orchestra. Prerequisite: Junior status.

MCH 378 3 hours Music in Worship

Fall, 1997, and alternate years. A study of music in worship from Biblical times to the present. Comparison of liturgies and orders of worship and planning worship services for various occasions. Includes the formation of a philosophy of church music.

MCH 387 3 hours Survey of Choir Methods

Spring, 1997, and alternate years. Study and practice of current and traditional philosophies, methods, and materials for use with preschool through sixth grade children's choirs, junior high and high school youth choirs, and adult and senior adult choirs. Prerequisite: Junior status.

MCH 393 3 hours Hymnology

Fall, 1996, and alternate years. Also **MIN 393**. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnology. No musical background is required. Recommended for theology and religious education students.

MCH 405 3 hours Church Music - Internship

Every semester. An experiential learning opportunity for students to combine classroom knowledge and theories with real-world ministry applications under the supervision of a minister in the area of church music. Prerequisites: Senior status, and CAW 100, CAW 200, CAW 300.

MCH 471 3 hours Choral Literature

Spring, 1998, and alternate years. Also **MUS 471**. A survey of choral literature from the Renaissance to the present with emphasis on style, aesthetics, and musical terminology. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness. Prerequisites: MUS 292, MUS 371, MUS 372 or instructor's approval.

MUSIC

MUS 005 0 hours Recital Chorale

Every semester. A non-credit ensemble designed to provide a lab choir for choral conducting students fulfilling practicum and recital requirements. Choral literature from all of the stylistic periods is performed. One performance is given at the end of each semester.

MUS 009 0 hours Recital Attendance

Every semester. Friday, studio, area, and department recitals of all music and performing arts major and minors. Details listed in Music Handbook.

MUS 105 2 hours Fundamentals of Music

On demand. Designed for individuals and elementary education majors interested in acquiring creative skills in reading, performance, and understanding of music for personal enjoyment or use in the elementary classroom. Previous musical experience not required. No credit toward degree for music majors.

MUS 111 1 hour Diction: Italian

Every Fall. A laboratory devoted to phonetic sounds of Italian as used by a singer. Prerequisite course to upper division Applied Voice.

MUS 112 1 hour Diction: French

Every Fall. A laboratory devoted to phonetic sounds of French as used by a singer. Prerequisite course to upper division Applied Voice. Students having two years of high school French or one year of college French may test out of this course.

MUS 167 1 hour Class Guitar

Every semester. A practical introduction to the guitar, designed especially for beginners. Students will learn to play the guitar with both the plectrum style (pick only) and classical finger-style approaches. Emphasis on guitar pedagogy as applied to elementary and secondary education levels. Required of Music Education majors. Open to all non-music majors and minors. Knowledge of basic musical notation is required.

MUS 189 1 hour Chamber Music Ensembles

Every semester. Practice, study and performance of chamber music. Includes various combinations of strings, woodwinds, brasses, percussion, guitar and voice. Approval of private instructor. May be repeated for credit. Does not meet ensemble requirement without written consent of the College of Communications and Fine Arts.

MUS 191A 2 hours Aural Perception I

Every Fall. Designed for music majors and minors. **MUS 191A** and **MUS 191B** must be taken concurrently. Includes rhythmic, melodic and harmonic dictation, basic keyboard performance and sight singing. Computer-assisted ear training will be utilized. Grade of "C" or above necessary for advancement. Prerequisite: MUS 105 or a satisfactory score on the freshman theory placement examination, administered during enrollment week.

MUS 191B 2 hours Harmony I

Every Fall. Designed for music majors and minors. **MUS 191A** and **MUS 191B** must be taken concurrently. Study is devoted to the structure of music which includes harmony, melody, form and rhythm. Skill development in analysis and creative expression through compositions is emphasized. The music of the "common practice period" will be studied.

MUS 192A 2 hours Aural Perception II

Every Spring. Designed for music majors only. Continuation of **MUS 191A**. **MUS 192A** and **MUS 192B** must be taken concurrently. Grade of "C" or above necessary for advancement. Prerequisite: MUS 191A or equivalent.

MUS 192B 2 hours
Harmony II

Every Spring. Designed for music majors only. Continuation of **MUS 191B**. **MUS 192A** and **MUS 192B** must be taken concurrently. Analysis and composition utilizing 20th century devices will be included. Prerequisite: **MUS 191B** or equivalent.

MUS 211 1 hour
Diction: German

Every Spring. A laboratory devoted to phonetic sounds of German as used by a singer. Prerequisite course to upper division Applied Voice. Students having two years of high school German or one year of college German may test out of this course.

MUS 219 1 - 3 hours
Opera Workshop

Every Fall or Spring. Participation and production of a full-length opera or two one-act operas. Provides activities in all phases of opera production (set design, costuming, make-up, staging, publicity). May be repeated for a maximum of two credit hours. Prerequisites: Audition and instructor's approval.

MUS 225 3 hours
Survey of Jazz in America

Fall, 1996, and alternate years. A survey of music in the jazz idiom from its origin to present. Introduction to the principal periods, performers, and styles of jazz with emphasis on listener appreciation and understanding.

MUS 226 2 hours
Handbell Techniques

Fall, 1997, and alternate years. A study of handbell techniques, materials, and methods of organizing and training handbell choirs for school and church. Prerequisite: Music reading ability.

MUS 252 3 hours
Music Appreciation

Every semester. Designed specifically for non-music majors and minors, this course contributes to the intellectual, emotional and aesthetic understanding of music and expression, as science, and as an art closely akin to the other fine arts. Great works of music are heard in order that the student may gain insight into music's inner workings and that may develop a discriminating, intelligent appreciation of the best in music.

MUS 281 2 hours
Fundamentals of Conducting

Spring, 1998, and alternate years. A study of the fundamentals of conducting hymns, anthems, and other choral music. Designed for the music minor and non-music major. Emphasis on choral conducting and rehearsal techniques, score reading and artistic interpretation. Prerequisite: **MUS 191** or instructor's approval.

MUS 291A 2 hours
Advanced Aural Perception I

Every Fall. Designed for music majors only. **MUS 291A** and **MUS 291B** must be taken concurrently. Advanced sight singing, keyboard performance and rhythmic, harmonic and melodic dictation will be emphasized. Computer-assisted ear training will be utilized. Music examples will be selected from Bach through Wagner. Prerequisite: **MUS 192A** or equivalent.

MUS 291B 2 hours
Advanced Harmony I

Every Fall. Designed for music majors only. **MUS 291A** and **MUS 291B** must be taken concurrently. Advanced study in part writing utilizing borrowed and altered chords from closely related keys, far related keys, parallel keys. Neopolitan and augmented sixth chord types are included. Prerequisite: **MUS 192B** or equivalent.

MUS 292A 2 hours
Advanced Aural Perception II

Every Spring. Designed for music majors only. Continuation of **MUS 291A**. **MUS 292A** and **MUS 292B** must be taken concurrently. Ear training material will include the 20th century. Prerequisite: **MUS 291A** or equivalent.

MUS 292B 2 hours
Advanced Harmony II

Every Spring. Designed for music majors only. Continuation of **MUS 291B**. **MUS 292A** and **MUS 292B** must be taken concurrently. Analysis and composition will include music of the 20th century. Prerequisite: **MUS 291B** or equivalent.

MUS 319 1 - 3 hours
Opera Workshop

Every Fall or Spring. Same as **MUS 219**. May be repeated for a maximum of two credit hours. Prerequisites: Audition and instructor's approval.

MUS 320 1 hour
Jazz Improvisation

Every semester. A course designed to introduce the student to improvising, with emphasis on scales, modes and arpeggios. Prerequisites: **MUS 105**; **MUS 191A**, **MUS 191B**; or **CMU 191A**, **CMU191B**; or instructor's approval.

MUS 371 3 hours
Music History I

Every Fall. A survey of music from primitive times to the mid-18th Century. Study presents the growth of music in the Middle Ages and Renaissance through the contrapuntal schools culminating in the work of J. S. Bach and the development of opera and oratorio during the Baroque. Designed for music majors and minors. Prerequisite: Junior or senior status or instructor's approval.

MUS 372 3 hours
Music History II

Every Spring. A survey of music from the mid-18th Century to modern times. Study is devoted to the rise of homophonic music, the art song, the nationalistic schools, and the principal composers of the Classical, Romantic and Contemporary style periods. Designed for music majors and minors. Prerequisite: Junior or senior status or instructor's approval.

MUS 373 2 hours
Piano Literature I

Fall, 1996, and alternate years. Baroque and Classical periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. Prerequisite: **MUS 371** or instructor's approval.

MUS 374 2 hours
Piano Literature II

Spring, 1997, and alternate years. Romantic and Contemporary periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. Prerequisite: **MUS 371** or instructor's approval.

MUS 375 2 hours
Song Literature I

Fall, 1997, and alternate years. A survey study of the composers, their styles and literature from the beginning of solo song through the early romantic period. Designed for music majors and minors. Prerequisite: Junior or senior status or instructor's approval.

- MUS 376** **Song Literature II** **2 hours**
 Spring, 1998, and alternate years. Continuation of **MUS 375**. A survey study of the composers, their styles and literature from the middle romantic period of solo song through the contemporary period. Designed for music majors and minors. Prerequisite: Junior or senior status or instructor's approval.
- MUS 381** **Conducting I** **2 hours**
 Every Fall. A study of the fundamentals and techniques of conducting. Special emphasis is placed on conducting choral music and the special techniques required to conduct vocal groups. Prerequisites: Junior status, and instructor's approval.
- MUS 382** **Conducting II** **2 hours**
 Every Spring. Continuation of **MUS 381** with emphasis on instrumental music. Rehearsal and conducting techniques, score reading and artistic interpretation will be covered. Prerequisite: **MUS 381**.
- MUS 391** **Counterpoint** **2 hours**
 Every Spring. A survey of contrapuntal practice from Josquin to the twentieth century. Background reference is made to early polyphonic music. Emphasis is given to sixteenth century species counterpoint and in analyzing and writing inventions and fugues in the eighteenth century style of J. S. Bach. An introduction is given to the use of counterpoint in twentieth century composition. Prerequisite: **MUS 292**.
- MUS 392** **Form and Analysis** **3 hours**
 Every Fall. A study of the various structure forms in music, from motive, phrase and period through binary and ternary forms to the most complex, such as the variation, rondo, and sonata. Works of the masters are analyzed from the standpoint of form. Prerequisite: **MUS 292**.
- MUS 396** **Music Tutoring** **2 hours**
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.
- MUS 399** **Practicum** **1 - 4 hours**
 On demand. See page 30.
- MUS 405** **Conducting Practicum** **1 hour**
 Every semester. A conducting apprenticeship among the Music Department's various choral and instrumental ensembles and with Opera Workshop. The apprentice will observe and participate in rehearsal as instructed by each director. Prerequisites: **MUS 382**, **MED 403** or instructor's approval.
- MUS 411** **Choral Arranging** **2 hours**
 Every Fall. A course designed to teach the prospective music teacher the skill of choral arranging and to help the student meet the day-to-day demands placed on a general music teacher or a secondary choral director. Prerequisites: **MUS 292** and instructor's approval.
- MUS 420** **Advanced Keyboard Skills** **1 hour**
 Every Spring. Designed for piano majors to develop basic keyboard proficiency in sight-reading, transposition, modulation, open score reading, improvisation, and ensemble playing. Structured to help piano majors pass the functional section of the piano proficiency examination. Prerequisite: Must be a piano major or instructor's approval.
- MUS 421** **Organ Literature and Accompaniment** **1 hour**
 On demand. Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignments for accompanying a choir are given. Prerequisites: Two years of Applied Organ, **MAP 129** and **MAP 229**.
- MUS 425** **Piano Pedagogy I** **2 hours**
 Fall, 1997, and alternate years. A study of skills for teaching piano to children and adult beginners emphasizing technique, style, and musicianship. Includes review and recommendations of graded method materials available. Supervised student teaching. Prerequisite: Instructor's approval.
- MUS 426** **Piano Pedagogy II** **2 hours**
 Spring, 1998, and alternate years. Continuation of **MUS 425**. Emphasis on intermediate piano literature and group piano teaching techniques. Survey of appropriate materials, observation and supervised student teaching. Prerequisite: Instructor's approval.
- MUS 429** **Accompanying** **1 hour**
 Every Spring. A study and application of accompanying techniques in vocal, choral and instrumental music. Students are assigned vocalist, instrumentalist or choir. May be repeated for credit. Prerequisite: Instructor's approval.
- MUS 462** **Orchestration** **2 hours**
 Every Spring. A course designed to present the practical fundamentals of orchestration of all of the current instruments in the string, woodwind, brass and percussion families. Prerequisites: **MUS 292** and instructor's approval.
- MUS 471** **Choral Literature** **3 hours**
 Spring, 1998, and alternate years. Also **MCH 471**. A survey of choral literature from the Renaissance to the present with emphasis on style, aesthetics, and musical terminology. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness. Prerequisites: **MUS 292**, **MUS 371**, **MUS 372** or instructor's approval.
- MUS 481** **Vocal Pedagogy** **2 hours**
 Every Spring. A study of skills for the teaching of voice to individuals or groups. The physical voice is studied and potential vocal problems analyzed; historical methods of correction are presented. Guest lecturers present current ideas. Prerequisite: **MAP 219** or instructor's approval.

MUS 492 Twentieth Century and American Music	2 hours
Fall, 1997, and alternate years. A survey of twentieth century compositional practices and styles, providing opportunities for practical understanding through experiences in listening, analyzing and composing. Specific attention is given to American composers and their music. Prerequisite: MUS 292 or equivalent.	
MUS 499 Independent Study	1 - 4 hours
On demand. See page 30.	

MUSIC — APPLIED

MAP 388 Applied Theory	1 hour
Every semester. Private instruction in composition. Designed to provide background for the production of senior composition. Three semester hours are required.	
MAP 390 Junior Recital	0 hours
Every semester. Public Recital approximately 30 minutes in length. Applied and Church Music majors will perform as designated in the Music Handbook; theory majors will present a 30-minute composition. Conducting concentrations will conduct a 30-minute program.	
MAP 394 Applied Conducting	1 - 4 hours
Every semester. Private instruction in conducting. Attention is given to the perfection of conducting gestures, as well as literature and rehearsal/performance situations relative to Practicum and Senior Recital. Prerequisites: MUS 281 or MUS 381, and instructor's approval.	
MAP 488 Applied Theory	1 hour
Every semester. Continuation of MAP 388 . Three semester hours are required.	
MAP 490 Senior Recital	0 hours
Every semester. Same format as MAP 390 only one hour in length. Theory majors may choose presentation of original composition with a major ensemble.	

MUSIC — CLASS INSTRUCTION (Majors)

Class instruction in piano or voice for music majors. Will fulfill the secondary performance area requirement in the major. (Keyboard majors usually complete their secondary performance area in voice; other majors complete their secondary performance area in piano.)

MPC 109 Class Piano (Majors)	1 hour
Every semester. Class instruction for the music major with limited or no previous piano training. Instruction in the study of piano technique and literature including passing Part I of the Piano Proficiency Examination. The piano proficiency requirements are listed in the music handbook (available from the Department of Music). Meets two hours per week.	

MPC 209 Class Piano (Majors)	1 hour
Every semester. Continuation of MPC 109 . Includes passing Part II of the Piano Proficiency Examination. Meets two hours per week. Prerequisite: MPC 109 or instructor's approval.	
MPC 309 Class Piano (Majors)	1 hour
Every semester. Continuation of MPC 209 . Includes passing Part III of the Piano Proficiency Examination. Meets two hours per week. Prerequisite: MPC 209 or instructor's approval.	
MPC 409 Class Piano (Majors)	1 hour
Every semester. Continuation of MPC 309 . Includes passing Part IV of the Piano Proficiency Examination. Meets two hours per week. Prerequisite: MPC 309 or instructor's approval.	
MPJ 109 Class Piano - Jazz (Majors)	1 hour
Every semester. Class instruction for the advanced pianist focusing on voicings, jazz-related scales and improvisation. Meets two hours per week. Prerequisite: Instructor's approval.	
MPS 109 Class Piano - Arranging for the Church Pianist	1 hour
Every semester. Class instruction in arranging and improvisation for today's church pianist. Functional skills covered include: congregational, choir, and solo accompanying; modulation, transposition, and chord-chart reading; and original arrangements of hymn/contemporary songs suitable for solo performance (e.g., offertories). Meets two hours per week. Prerequisite: Instructor's approval.	
MPS 209 Class Piano - Arranging to the Church Pianist	1 hour
Every semester. Continuation of MPS 109 . Meets two hours per week. Prerequisite: MPS 109 or instructor's approval.	
MPS 309 Class Piano - Arranging for the Church Pianist	1 hour
Every semester. Continuation of MPS 209 . Meets two hours per week. Prerequisite: MPS 209 or instructor's approval.	
MPS 409 Class Piano - Arranging for the Church Pianist	1 hour
Every semester. Continuation of MPS 309 . Meets two hours per week. Prerequisite: MPS 309 or instructor's approval.	
MVC 109 Class Voice (Majors)	1 hour
Every semester. Required for those music majors whose audition indicated limited vocal training. Meets two hours per week.	
MVC 209 Class Voice (Majors)	1 hour
Every semester. A continuation of MVC 109 . Meets two hours per week. Prerequisite: MVC 109 or instructor's approval.	
MVC 309 Class Voice (Majors)	1 hour
Every semester. A continuation of MVC 209 . Meets two hours per week. Prerequisite: MVC 209 or instructor's approval.	
MVC 409 Class Voice (Majors)	1 hour
Every semester. Continuation of MVC 309 . Meets two hours per week. Prerequisite: MVC 309 or instructor's approval.	

MUSIC — CLASS INSTRUCTION (Non-Majors)

Class instruction in piano or voice for non-music majors with no previous training. Will meet Fine Arts requirements for University Liberal Arts Foundation.

MPH = Class Piano (non-majors)

MVH = Class Voice (non-majors)

MPH/MVH 109 1 hour

Class Piano (non-majors)

Every semester. Class instruction for the non-music major with no previous training. A jury examination is not required. Does not count toward a music major or minor. Meets two hours per week.

MPH/MVH 209 1 hour

Class Piano (non-majors)

Every semester. A continuation of **MPH/MVH 109**. Meets two hours per week. Prerequisite: MPH/MVH 109 or instructor's approval.

MPH/MVH 309 1 hour

Class Piano (non-majors)

Every semester. A continuation of MPH/MVH 209. Meets two hours per week. Prerequisites: MPH/MVH 209 or instructor's approval.

MPH/MVH 409 1 hour

Class Piano (non-majors)

Every semester. A continuation of **MPH/MVH 309**. Meets two hours per week. Prerequisite: MPH/MVH 309 or instructor's approval.

MUSIC — PRIVATE APPLIED INSTRUCTION (Primary Performance Area for Majors)

Private applied study for music majors in their major instrument or area. The applied course is identified by a three letter and a three number system.

Example: MVA 129

The first letter indicates the department:

M = Music

The second letter indicates the major emphasis:

B = Brass

C = Conducting

G = Guitar

I = Percussion

O = Organ

P = Piano

S = Strings

T = Theory

V = Voice

W = Woodwinds

The third letter indicates the degree program:

G = General semester (first semester in private study in preparation for audition into a degree program)

P = Probationary Status

A = Bachelor of Arts

E = Bachelor of Science (Music Education)

M = Bachelor of Music

The first number indicates the level:

1 = 100 level

2 = 200 level

3 = 300 level

4 = 400 level

The second number indicates the semester:

1 = First semester

2 = Second semester

The third number indicates the department:

9 = Music

M-G 119 2 hours

Private Applied Instruction (Emphasis Area)

Every semester. The first general semester of private study in the major instrument or area. Emphasis is on advanced technique and literature. Includes preparation for a mandatory audition to qualify for music major status.

M-A, M-E, M-M 129 2 - 4 hours

Private Applied Instruction (Emphasis Area)

Every semester. Continuation of **M-G 119**. Private instruction for music majors who have passed the qualifying audition admitting them into a degree program. Includes study of advanced technique and literature. Prerequisite: Formal audition.

M-P 119/M-P 219 2 hours

Private Applied Instruction (Emphasis Area)

Every semester. Students unable to perform at the advanced level required may be admitted to the music program on a two-semester probationary status. At the end of the second semester of probation, students may reaudition, demonstrating the required technical and musical abilities necessary for admission to music major status. This applies to all degree plans. Prerequisite: Audition for appropriate faculty.

M-A, M-E, M-M 219 2 - 4 hours

Private Applied Instruction (Emphasis Area)

Every semester. Continuation of **M-A, M-E, M-M 129**. Prerequisite: M-A, M-E, M-M 129.

M-A, M-E, M-M 229 2 - 4 hours

Private Applied Instruction (Emphasis Area)

Every semester. Continuation of **M-A, M-E, M-M 219**. Prerequisite: M-A, M-E, M-M 219.

M-A, M-E, M-M 319 2 - 4 hours

Private Applied Instruction (Emphasis Area)

Every semester. Continuation of **M-A, M-E, M-M 229**. Prerequisite: M-A, M-E, M-M 229.

M-A, M-E, M-M 329 2 - 4 hours

Private Applied Instruction (Emphasis Area)

Every semester. Continuation of **M-A, M-E, M-M 319**. Prerequisite: M-A, M-E, M-M 319.

M-A, M-E, M-M 419 2 - 4 hours

Private Applied Instruction (Emphasis Area)

Every semester. Continuation of **M-A, M-E, M-M 329**. Prerequisite: M-A, M-E, M-M 329.

M-A, M-E, M-M 429 2 - 4 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-A, M-E, M-M 419**. Prerequisite: M-A, M-E, M-M 419.

MUSIC — PRIVATE APPLIED INSTRUCTION (Non-Majors and Secondary Performance Area for Majors)

Private applied study for non-music majors or for music majors in their secondary performance area. The applied course is identified by a three letter and three number system. A full explanation is provided above in "MUSIC — PRIVATE APPLIED INSTRUCTION (Primary Performance Area for Majors)."

M-L 119 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Private instruction for students who have completed class instruction studies or have successfully passed audition. Prerequisite: Audition or instructor's approval.

M-L 129 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 119**. Prerequisite: M-L 119 or instructor's approval.

M-L 219 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 129**. Prerequisite M-L 129 or instructor's approval.

M-L 229 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 219**. Prerequisite: M-L 219, or instructor's approval.

M-L 319 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 229**. Prerequisite M-L 229 or instructor's approval.

M-L 329 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 319**. Prerequisite: M-L 319 or instructor's approval.

M-L 419 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 329**. Prerequisite M-L 329 or instructor's approval.

M-L 429 1 - 2 hours
Private Applied Instruction (Emphasis Area)
 Every semester. Continuation of **M-L 419**. Prerequisite: M-L 419 or instructor's approval.

MUSIC EDUCATION

MED 003 0 hours
Music Educator's National Conference

Every semester. The Music Educator's National Conference Collegiate Membership gives the students an opportunity for professional development while still in school. It is expected that benefits will accrue both to the students and to the professional organization as the students gain an understanding of the practices of the professional music educator.

MED 232 1 hour
Woodwind Instrument Class

Every Spring. A practical study of the high and low woodwind instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

MED 241 1 hour
Brass Instrument Class

Every Fall. A practical study of the high and low brass instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

MED 251 1 hour
Percussion Instrument Class

Every Fall. Same format as **MED 241**, except pertaining to percussion instruments. Prerequisite: Sophomore status.

MED 252 1 hour
String Instrument Class

Every Spring. A practical study of the high and low string instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

MED 351 2 hours
Instrumental Music Organization

Fall, 1996, and alternate years. An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes philosophy, marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and equipment, library, uniforms, inventory, tests and measurements, finance and development of a complete instrumental program. Prerequisites: MED 232, MED 241, MED 251, MED 252, MUS 292.

MED 381 3 hours
Music in the Elementary Grades

Fall, 1996, and alternate years. A study and demonstration of methods and materials for the first six grades. A study is made of problems encountered with each grade level. Lesson plans are prepared. Visits are made to observe actual teaching situations. Prerequisite: MUS 292 or instructor's approval.

MED 382 3 hours
Music in the Junior and Senior High School

Spring, 1997, and alternate years. A study of methods for developing and conducting the music program in Junior and Senior high schools, including the organization of choruses and glee clubs, the classification of voices, the development of music appreciation, the selection of music literature, etc. Prerequisites: MUS 292, MUS 381 or instructor's approval.

MED 396 **Music Education Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

MED 403 **Advanced Rehearsal Techniques** **2 hours**

Every Fall. A study of advanced problems in rehearsing and conducting at the high school level. An examination and analysis of the prevailing choral/instrumental philosophies, including rehearsal techniques, performance practices and score preparation. Prerequisite: MUS 381.

MED 442 **Instrumental Literature and Pedagogy** **2 hours**

On demand. Study of outstanding literature (secular and sacred) for Junior and Senior high school band, orchestra, stage band, jazz ensemble and chamber ensembles. Special rehearsal skills and interpretation are emphasized. Prerequisites: MUS 292, junior status.

MUSIC ENSEMBLES

MEN 109 **University Chorale** **1 hour**

Every semester. Concert Choir is an ensemble of 50 to 60 voices drawn from the student body by competitive audition. Membership is not limited to music majors and minors. A broad scope of choral literature encompassing all of the stylistic periods is performed. One major choral/orchestral work is performed in the Spring. Strong emphasis is placed on individual commitment to the ensemble. Concert Choir performs locally and does extended touring.

MEN 111 **University Singers** **1 hour**

Every semester. University Singers is an ensemble of 20 to 40 voices. It is open to all students at Grand Canyon University with the conductor's approval. Choral literature from all stylistic periods will be performed. This ensemble is designed to provide a quality performance experience for music majors and non-majors alike. Strong emphasis is placed on individual commitment to the ensemble. Performance opportunities include campus and local events.

MEN 129 **Small Jazz Ensemble** **1 hour**

Every semester. A performing ensemble designed to give the student experience performing Jazz material in a small ensemble setting.

MEN 139 **Wind Ensemble** **1 hour**

Every semester. The Wind Ensemble is made up of music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their college career. The literature performed is selected from the finest contemporary and traditional repertoire.

MEN 149 **Jazz Band** **1 hour**

Every semester. Performance of jazz-oriented material written or arranged for the Jazz Band.

MEN 152 **Beginning Handbells** **1 hour**

Every semester. Beginning Handbells is a course designed for those with minimal handbell ringing experience. Basic music reading skills are required.

MEN 169 **Chamber Orchestra** **1 hour**

On demand. Study and performance of chamber orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theatre productions.

MEN 199 **Grand Guitars** **1 hour**

Every semester. Instrumental performance ensemble for guitar emphasizing group performance in a variety of musical idioms. Prerequisite: Instructor's approval.

MEN 252 **Advanced Handbells** **1 hour**

Every semester. A handbell ensemble. The literature performed is selected from the finest contemporary and traditional repertoire. Open to all students with instructor's approval.

MEN 300 **New Life Ensemble** **1 hour**

Every semester. Select, auditioned ensemble of eight voices, drums, piano and bass guitar. Performs only contemporary Christian music. Concert opportunities during each semester, with the possibility of an extended tour during the Spring or Summer. Students must be enrolled in University Chorale before being considered for this ensemble. Prerequisites: Audition and instructor's approval.

MEN 303 **Chamber Singers** **1 hour**

Every semester. Chamber Singers is a highly selective 16 voice ensemble drawn from the University Chorale membership. Repertoire will be quite varied, ranging from early madrigal to more contemporary styles of vocal music.

MEN 304 **Piano Ensemble** **1 hour**

Every semester. Sight reading, practice, and performance of piano music for four hands. May be repeated for credit. Prerequisite: Approval of private instructor.

MUSIC/THEATRE

MTH 289 **Musical Theatre** **1 - 3 hours**

Every Fall or Spring. Participation and production of a full-length musical or operetta. Provides activities in all phases of musical theatre production (set design, costuming, make-up staging, publicity). May be repeated for a maximum of two credit hours. Prerequisites: Audition and instructor's approval.

MTH 389 **Musical Theatre** **1 - 3 hours**

Every Fall or Spring. Continuation of **MTH 289**. May be repeated for a maximum of two credit hours. Prerequisites: MTH 289, audition and instructor's approval.

Department of Theatre and Drama

DEPARTMENT DESCRIPTION

The Department of Theatre and Drama provides the foundation needed to pursue careers in academic, community, and professional theatre programs and/or graduate study. Students receive a comprehensive knowledge of the body of dramatic literature and practical experience in the production and performance of this literature.

The Department of Theatre and Drama, in cooperation with the Department of Music, produces the **Ethington Theatre Series** which presents five major productions annually. Additionally the department offers a student directed series of productions that are performed in the C. J. Smith Laboratory Theatre on campus. Auditions for all productions are open to the entire student body.

Scholarships are available by audition and/or portfolio review.

Department Description

Degree Requirements

Majors

Speech/Theatre

Theatre/Drama

Minor

Theatre

Course Descriptions

DEGREE REQUIREMENTS — SPEECH/THEATRE (B.A. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the
College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour
minimum graduation requirement)

Minor Required

Courses are listed alphabetically by prefix, not in the order
they should be taken. See Academic Advisor for sequence.

Speech/Theatre Major

SPC 113	Fundamentals of Speech	3 hours
* SPC 200	Speech Participation	1 hour
SPC 292	Group Discussion	3 hours
* SPC 300	Speech Participation	1 hour
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours
TRE 120	Introduction to the Theatre	3 hours
TRE 140, 340	Stagecraft	3 hours
TRE 150	Acting I	3 hours
* TRE 200	Theatre Participation	1 hour
TRE 250	Acting II OR	
TRE 255	Stage Movement	3 hours
TRE 270	Christian Drama OR	
TRE 440	Stage Lighting and Design	3 hours
* TRE 300	Theatre Participation	1 hour
TRE 370, 371	Theatre History I OR II	3 hours
TRE 375, 376	Dramatic Literature I OR II	3 hours
TRE 498	Stage Direction	3 hours

Total Major Hours 45

DEGREE REQUIREMENTS — THEATRE/DRAMA (B.A. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the
College of Communications and Fine Arts (See page 63)

Electives (As needed to satisfy the 128 semester hour
minimum graduation requirement)

Minor Required

Courses are listed alphabetically by prefix, not in the order
they should be taken. See Academic Advisor for sequence.

Theatre/Drama Major

TRE 120	Introduction to the Theatre	3 hours
TRE 140, 340	Stagecraft	3 hours
TRE 150	Acting I	3 hours
TRE 200	Theatre Participation	1 hour
TRE 241	Stage Makeup OR	
TRE 270	Christian Drama	3 hours
TRE 250	Acting II	3 hours
TRE 255	Stage Movement OR	
TRE 455	Acting III - Scene Study	3 hours
TRE 300	Theatre Participation	1 hour
TRE 345	Scene Design	3 hours
TRE 346	Costume Design	3 hours
TRE 370	Theatre History I	3 hours
TRE 371	Theatre History II	3 hours
TRE 375	Dramatic Literature I	3 hours
TRE 376	Dramatic Literature II	3 hours
TRE 400	Theatre Participation	1 hour
TRE 440	Stage Lighting and Design	3 hours
TRE 498	Stage Direction	3 hours
TRE —	Theatre Elective	3 hours

Total Major Hours 48

Students are required to select three out of four available
participation credits. Both speech and theatre must be
represented.

MINOR REQUIREMENTS — THEATRE

TRE 345	Scene Design OR	
TRE 346	Costume Design OR	
TRE 440	Stage Lighting and Design	3 hours

TRE 120	Introduction to the Theatre	3 hours
TRE 140, 340	Stagecraft	3 hours
TRE 150	Acting I	3 hours
TRE 200, 300		
400	Theatre Participation	1 hour
TRE 370	Theatre History I OR	
TRE 371	Theatre History II	3 hours
TRE 498	Stage Direction	3 hours
TRE —	Theatre Elective	3 hours

Total Minor Hours 22

THEATRE AND DRAMA

TRE 120 3 hours

Introduction to the Theatre

Every Fall. The study of dramatic structure, dramatic literature, period styles and various types of drama.

TRE 140 3 hours

Stagecraft

Every semester. The study of set and prop construction. Practical application of the above to be gained through University practicums. May be repeated for credit once.

TRE 150 3 hours

Acting I

Every Fall. Principles of pantomime and dramatic action designed to establish the proper relationship of the voice to the body and its functions in the interpretation of character. Designed also to help develop physical presence and facility in the actor, vocalist, teacher, athlete and other persons involved in public performance.

TRE 200 1 hour

Theatre Participation

Every semester. This course is designed to allow students to learn through active participation in one or more of the following areas: Acting, Box Office, House Management. Prerequisite: Instructor's approval.

TRE 241 3 hours

Stage Make-up

Spring, 1998, and alternate years. A detailed study of the art and craft of designing and executing stage make-up. Topics will include two-dimensional, three-dimensional and special effects make-up. Students may also design and supervise make-up for University productions.

TRE 250 3 hours

Acting II

Every Spring. An advanced acting course emphasizing scene study and textual analysis, allowing students to concentrate on the method and technique of building a character. Prerequisite: TRE 150 or instructor's approval.

TRE 255 3 hours

Stage Movement

Every Fall. Theories and technical practices and styles and schools of stage movement. Study of audition techniques, working with groups and individually, direction techniques, ballet, and the basic theories of Delsarte, Dalcroze and Alexander. Open to non-majors and minors.

TRE 270 3 hours

Christian Drama

Spring, 1997, and alternate years. Also MIN 270. A creative Christian dramatics lab. Emphasis on writing and directing, selecting editing, as well as performing religious drama. Ways and means utilizing dramatic activity, organizing a drama group, and training the inexperienced within a church are studied.

TRE 273 1 - 3 hours

Summer Theatre Workshop

Every Summer. As a participation course, students will be involved in every aspect of the production of a play to be performed publicly as a part of the Ethington Theatre Series.

TRE 300 1 hour

Theatre Participation

Every semester. This course is designed to allow students to learn by actively participating in one or more of the following areas: light crew, costume construction, properties, or sound crew. Prerequisite: Instructor's approval.

TRE 340 3 hours

Stagecraft

Every semester. The study of set and prop construction. Practical application of the above to be gained through University practicums. May be repeated for credit once.

TRE 345 3 hours

Scene Design

Spring, 1997, and alternate years. A study of the theories and practices of designing for the stage. Prerequisites: TRE 140 or TRE 340 or instructor's approval.

TRE 346 3 hours

Costume Design

Fall, 1997, and alternate years. A comprehensive study of the major periods of costume history and the process of designing costumes for the theatre. Prerequisite: TRE 120 or instructor's approval.

TRE 361 3 hours

Valley Theatre Tour

Every Summer. A study of Valley theatres and their productions. Students will study dramatic criticism as well as attend productions and evaluate the performances.

TRE 370 3 hours

Theatre History I (Greeks to Restoration)

Spring, 1997, and alternate years. An in-depth study of the history and development of theatre from early Greece to the English Restoration. Prerequisite: TRE 120 or instructor's approval.

TRE 371 3 hours

Theatre History II (18th Century to Present)

Spring, 1998, and alternate years. An in-depth study of the history and development of theatre from 18th Century through modern time. Prerequisite: TRE 120 or instructor's approval.

TRE 373 1 - 3 hours

Summer Theatre Workshop

Every Summer. As a participation course, students will be involved in every aspect of the production of a play to be performed publicly as a part of the Ethington Theatre Series.

TRE 375 3 hours

Dramatic Literature I

Fall, 1997, and alternate years. A comprehensive study of the major periods and forms of dramatic literature dating from early Greece to the Restoration. Prerequisite: TRE 120 or instructor's approval.

TRE 376 3 hours**Dramatic Literature II**

Spring, 1998, and alternate years. A comprehensive study of the periods and forms of dramatic literature dating from the Renaissance to the present. Prerequisite: TRE 120 or instructor's approval.

TRE 378 3 hours**Musical Theatre in America**

Summer, 1997, and alternate years. A study of the historical development of American Musical Theatre and analysis of its unique dramatic forms.

TRE 399 1 - 4 hours**Practicum**

On demand. See page 30.

TRE 400 1 hour**Theatre Participation**

Every semester. This course is designed to allow students to learn by actively participating in one or more of the following areas: stage management, properties mastering, directing, and designing. Prerequisite: Instructor's approval.

TRE 440 3 hours**Stage Lighting and Design**

Spring, 1998, and alternate years. The art of designing lighting for the theatre. Students will actively participate in designing University productions and classroom projects. Prerequisite: TRE 120 or instructor's approval.

TRE 455 3 hours**Acting III - Scene Study**

Spring, 1997, and alternate years. Scene study is the final course in the acting series. Students will be involved with intense duet work from a wide variety of playwrights. Students will also work on audition pieces in this course. Prerequisites: TRE 150, TRE 250.

TRE 498 3 hours**Stage Direction**

Spring, 1998, and alternate years. A study of theories and techniques of interpreting and directing plays through lectures, and demonstrations. Students are required to participate in laboratory projects in directing one-acts or scenes from full-length plays. Prerequisite: TRE 120 or instructor's approval.

TRE 499 1 - 4 hours**Independent Study**

On demand. See page 30.

College of Continuing Studies

College Description

COLLEGE DESCRIPTION

The College of Continuing Studies is one of the newest of Grand Canyon's eight Colleges. Its focus is different than the other seven in that while the others each focus on a single discipline or group of related disciplines, the College of Continuing Studies will provide coursework and degrees which are oriented to adult students with specific degree completion needs that do not fit into the traditional academic calendar. The College is designed to serve many types of students in a number of locations. The subject matter offered in various courses, and the delivery systems which this College utilizes will meet the diverse needs of Grand Canyon University growing constituency.

The first program to be offered by this College is an innovative and convenient program which allows adult learners to complete an accredited Bachelor of Science degree in a little over a year's time. The program enables the earning of a degree with a major in Applied Management. It has an emphasis in organizational management and human resources administration and is designed to allow the student to immediately and continuously apply what is learned in the classroom to the student's workplace and personal life.

The target audience for this degree (known by the acronym AM:MHR) is the working adult (at least 25 years of age) who has at least 60 transferable college credits from regionally accredited colleges or universities and who is able to devote one night a week (four hours) to an accelerated seminar-type program with a small group of other adults having the same goal. The program is offered at locations convenient to the student, not necessarily on the University's main campus.

This degree contains areas of study such as organizational behavior, industrial psychology, leadership and supervision, interpersonal skills, and effective written and oral communications. Assignments include outside readings and essays on selected topics. The capstone course in the degree program involves the design, implementation, and evaluation of an applied research project related to the student's occupation or community and demonstrates the student's problem solving ability, research and design competencies, and writing and presentation skills.

For further information on this degree program and the College of Continuing Studies*, potential students are encouraged to contact the Dean of the College of Continuing Studies at the telephone number listed in the front of this catalog or to write to the Dean at the address listed in the front of this catalog.

* Some of the policies and practices of the College of Continuing Studies have been modified from those listed elsewhere in this catalog to better serve the students in this College. These changes are specified in the written material available from the College.

College of Education

COLLEGE DESCRIPTION

The preparation of teachers for the public/private schools of our nation is a significant responsibility for the College of Education. The programs are designed to ensure the highest level of professional and academic competence of the graduate in the classroom.

The Master of Arts (M.A.) and the Master of Education (M.Ed.) degree programs were accredited in June, 1987. Refer to pages 96-99 for descriptions of those programs of study.

GUARANTEE STATEMENT

Starting with its December 1984 graduates, Grand Canyon University has provided the following guarantee: Grand Canyon University will GUARANTEE assistance to any teacher graduate who is experiencing difficulty in the first year of teaching in the area for which they have been certified. Believing in the excellence of our program, we will provide assistance to any graduate recommended by the College of Education at Grand Canyon University for teaching certification in the state of Arizona at the elementary or secondary level. This assistance continues through their first year of teaching at no expense to the pool district or to the teacher graduate.

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

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

EDUCATION PLACEMENT SERVICES

Education Placement Services is open to all Grand Canyon University graduates, Fifth Year, M.Ed., and M.A. students who have completed the teacher certification program at Grand Canyon University. Your most recent degree must be from Grand Canyon University. If you are enrolled in a program at another university or have taken additional courses at another university, you should utilize the placement services of that university. Grand Canyon will continue sending your file which will contain only information pertaining to your degree or Fifth Year program at Grand Canyon University, i.e. no transcripts beyond your Grand Canyon degree would be included or referred to in the packet. Please contact the Education Placement Office regarding fees for this service.

PROGRAM FEATURES

The Education Program provides these special features:

- **Practical classroom experience** begins as early as the

sophomore year with a minimum of 90 hours in the K-12 classroom prior to student teaching.

- **Opportunities to design** curriculum materials.
- **Student professional organization** which provides encouragement to students via projects, workshops and academic areas.
- **A placement service** that averages a 92% placement rate for education graduates in the past ten years.
- **Faculty** who have an average of 12 years experience in the K-12 school system.
- **Adjunct faculty** who hold concurrent employment in classroom and administrative positions.
- **Choices of study** in the areas of: Special Education - Learning Disabilities, Emotionally Handicapped, Secondary (grades 7-12) with a subject area emphasis, Elementary (grades K-8), Reading Endorsement (grades K-12), Teaching English as a Second Language Endorsement, and K-12 Endorsement in the areas of Art, Music, and Physical Education.

TEACHER EDUCATION CURRICULA

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

Coursework is offered leading to teaching programs in the following areas:

1. **Elementary Education** (A minor in a content area commonly taught in grades K-8 in the Arizona public schools is required);
2. **Special Education** — Learning Disabilities and Emotionally Handicapped. (A minor in a content area commonly taught in grades K-8 in the Arizona public schools is required);
3. **Secondary Education** (Certifiable majors are determined by the Arizona State Department of Education as any course of study that is commonly 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 first have an Elementary Certificate, a Secondary Certificate, or a Special Education Certificate. The Endorsement involves at least 46 semester hours in the specific teaching field. The methods of teaching in the

College Description

Guarantee Statement

Education Placement Services

Program Features

Teacher Education Curricula

Application Procedures

Prescribed Liberal Arts
Foundation for Teacher
Education Programs

Degree Requirements
Undergraduate

Elementary Education

Special Education

Learning Disabilities

Emotionally
Handicapped

Courses for Secondary
Certificate

Fifth Year Program

Graduate Studies

Graduate Curriculum

Application Procedures for
Graduate Studies

Degree Requirements
Graduate

Master of Education

Elementary Education

Secondary Education

Master of Arts

Curriculum and
Instruction

Elementary Education

Reading Education

Secondary Education

Teaching English as a
Second Language

Urban Education

Course Descriptions

specific teaching field at the elementary level and the secondary level must both be included in the 46 hours. In order for the College of Education to recommend a student for the K-12 Endorsement, the student must student teach for eight (8) credit hours at the elementary level (grades K-6) as well as eight (8) credit hours at the secondary level (grades 7 - 12) for a total of sixteen (16) credit hours of student teaching. Endorsements are also offered in Reading Education, and Teaching English as a Second Language.

The teacher education program of Grand Canyon University is approved by the Arizona State Board of Education. If state certification requirements change, the student must meet the new requirements regardless of the catalog under which they will be graduating. All Elementary Education and Special Education majors as well as those seeking Secondary Certification must meet the requirements for the Grand Canyon University state-approved certification program prior to graduation.

TEMPORARY CERTIFICATE, ELEMENTARY OR SECONDARY

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

STANDARD CERTIFICATE, ELEMENTARY OR SECONDARY

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 40-47 hours in upper division courses during a special Fifth Year program designed by the Dean of the College of Education in consultation with the student. This will include prescribed professional courses (see page 97). The student who would be in the Fifth Year program is encouraged to enter the Master of Education (M.Ed.) program (see pages 97-98).

APPLICATION PROCEDURES

ELIGIBILITY

In order to become a candidate for teacher education, a student must have completed at least 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 GPA in residence at Grand Canyon. In order to be accepted as a candidate for a secondary certificate, one must also have a 2.50 GPA in the teaching field; and one seeking K-12 subject endorsement must have a 2.50 GPA in the appropriate teaching field. A minimum 2.00 GPA is required for all prerequisite coursework.

All candidates must have passed the Writing Proficiency Examination (see page 9).

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

International undergraduate and graduate students must present a TOEFL score of at least 550. International students entering the TESL graduate program must present a TOEFL score of at least 575.

All candidates must submit an application for fingerprint clearance and fingerprint card to the State Department of Education (copies of these forms should be submitted to the College of Education).

Submit the **Application for Fingerprint Clearance** and fingerprint card to the State Department of Education - 1535 West Jefferson, Phoenix, Arizona 85002. The College of Education will verify clearances on a quarterly basis.

Application procedures and policies are available in an Education Packet at the University bookstore. **It is the responsibility of the student to enroll in the proper courses and to follow the policies and procedures in the current College of Education Policy Handbook. Violation of any of the policies of the College of Education will result in a review of the student's status and could result in required remedial activities that would allow for the student's success or the failure to be allowed to continue in the program.**

APPLICATION FOR TEACHER EDUCATION

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

Applications are not processed until they are submitted in complete form and all supporting documents are received. Applicants are responsible for any follow-up necessary for completing their application files. Completed applications are to be on file four weeks prior to the beginning of the semester or term in which students plan to commence the teacher preparation program. Any application not completed within twelve months will be discarded.

Admission to and continuance in the College of Education Teacher Education Program includes an evaluative component based upon the professional view of the College of Education faculty and their collective opinion of one's potential for success in the K-12 classroom.

Students will be notified in writing of the action taken on their applications by the Dean representing the College of Education faculty, subject to appeal to the College of Education faculty and the Vice President for Academic Affairs.

Students accepted into the program will be issued a card indicating their acceptance. Since certain methods courses and student teaching are reserved for students who have been accepted into the Teacher Education Program, the card will need to be presented at each registration time by students who wish to enroll in any of the education courses except EDU 303, EDU 313, EDU 363, EED 340, SPE 323, or SED 442.

It is the student's responsibility to follow the current College of Education Policy Handbook regardless of the year of the catalog under which he or she enrolled.

• POLICIES AND PROCEDURES

The policy handbook contained in the application packet specifies all written policies and procedures. Violation of any of the policies of the College of Education may result in a review of the student's status and could result in remedial activities that would allow for the student's success or could result in the inability of the student to continue in the program. Some of the highlights are as follows:

- **Transfer Credits.** All education courses will be reviewed by the College of Education faculty to determine transferability. Once accepted into the Teacher Education Program, or once a student has completed one semester in residence as a full-time student at Grand Canyon University, any subsequent courses the student may wish to transfer for purposes of meeting program requirements for student teaching and/or certification may only be done with prior written permission of the College of Education faculty.
- **Residency Requirements.** Elementary Education majors must

have a total of 30 hours in their major taken in residence at Grand Canyon University of which the following must be included: EED 323, EED 343, EED 403, EED 433, EED 443, EED 463, EED 480, and EDU 430.

Secondary Education students must have a total of 21 hours in Education taken in residence at Grand Canyon University of which the following must be included: SED 442, SED 443, SED 452, SED 462, SED 480, and EDU 430.

- **Program of Study.** The faculty of the College of Education reserves the right to change a program of study if a student is not competent in an area of teaching.
- **Grade Point Average - GPA.** Any student who receives a grade lower than 2.00 in any education course must petition the faculty of the College of Education in writing for permission to retake that course. Students continuing in the College of Education must maintain a 2.50 GPA overall, at Grand Canyon University, and in the major area of certification.
- **Process of Appeal.** All of the policies and procedures are designed to ensure fairness and consistency for each student as well as to assure prospective employers that students have received a high quality education. However, we do recognize that policies and procedures are not all encompassing and may need to be adapted to individual circumstances. Due to the Guarantee Statement, the appeal process in the College of Education follows this procedure:
 - First - Contact the Instructor of the course if the appeal involves a specific course. If the appeal involves a specific policy, contact your College of Education advisor.
 - Second - Petition the College of Education faculty in writing.
 - Third - Contact the Dean of the College of Education.
 - Fourth - Contact the Vice President for Academic Affairs.

Resolution of the appeal could occur at any of the four levels.

It is one of the goals of the College of Education faculty to prepare its graduates for the environment of the K-12 workplace where professionals deal with the issues that arise individually; therefore, it is inappropriate to involve friends and relatives in the appeal process.

- **Professionalism.** The College of Education faculty is seeking to prepare students for a profession. In that regard, the faculty expects students to become aware of what is appropriate to the profession and to conduct themselves in that manner. Among the things that are deemed "professional" are honesty, respect of confidentiality, accepting responsibility for one's own actions, and controlling one's emotions and words in the workplace (classroom, etc.), as reflected in courteous and respectful interactions with students, teachers, and administrators. In the academic/scholarly realm, professional standards primarily involve not representing someone else's work as your own. This precludes such behaviors as plagiarism of published works by others, gaining answers to exam questions by any means other than your own memory, and copying or slightly paraphrasing someone else's answers or work on an assignment, in or out of the classroom.
- **Curriculum and Methods Coursework.** Any curriculum and methods coursework taken ten (10) or more years ago will not be accepted. This statement is applied across all Colleges within the University.

APPLICATION FOR STUDENT TEACHING

All students who wished to be placed in student teaching must make written application. Appropriate forms are available from the College of Education Office, located in the Faculty Office Building.

A 2.50 GPA at Grand Canyon University, and a 2.50 GPA in the major areas as well as a recommendation from the faculty are prerequisites.

Students must receive a minimum grade of "C" (2.00) in all courses in their major, in education courses, and in University courses which are prerequisites for education courses.

Deadlines for applying for student teaching are as follows:

To teach during Fall semester — January 15

To teach during Spring semester — September 1

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

Student teachers who are not enrolled in a regular program at Grand Canyon University must present a letter of request from the institution sponsoring their certification program. If students are working directly with the State Department of Education for certification, they must petition the College of Education faculty and complete the following:

1. Submit the Official Evaluation form from the State Department of Education;
2. Document passage of the basic skills component of the Arizona Teacher Proficiency Examination (ATPE);
3. Complete 12 hours in Secondary Education at Grand Canyon University to include SED 442, SED 443, SED 452, and SED 462 or 18 hours in Elementary Education to be selected from EED 323, EED 343, EED 403, EED 433, EED 443, and EED 463;
4. Maintain overall GPA of 2.50 and 2.50 in the major area of study at Grand Canyon University.

All students must complete regular matriculation requirements with the Office of Academic Records before entering the Teacher Education Program.

STUDENT TEACHING SEMESTER

The student teaching semester is offered on a "block" basis. The students complete 13-15 hours of coursework in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 5-7 hours of coursework in professional education. The second block, of 9 weeks' duration, is reserved for student teaching and carries 8 hours of credit.

Special Education majors and any student seeking the K-12 Endorsement (Art, Music, Physical Education) will student teach for eighteen (18) weeks' duration. Refer to the respective College for additional requirements.

Grand Canyon University provides experience in student teaching through an arrangement made with more than 60 school districts throughout the state. The College of Education attempts to, but cannot guarantee that it will, place students in districts or schools of their choice.

Supervision of the student teacher is performed by the school to which the student is assigned and by the designated University supervisor.

The student teaching assignment is an on-site program at the school and the student is expected to follow the same work schedule as the cooperating teacher. It is recommended that no other coursework be taken during the student teaching experience.

The evaluation of the student teacher's work is a dual responsibility of the University and of the school in which the student teaching is done and utilizes the *Student Teacher Performance Assessment Plan*.

Any student who withdraws from student teaching or any student

who does not receive credit for student teaching, must appeal in writing to the faculty of the College of Education for re-admittance. This appeal must include a plan for remediation.

**PRESCRIBED LIBERAL ARTS FOUNDATION
FOR THE COLLEGE OF EDUCATION
ELEMENTARY EDUCATION PROGRAM
SPECIAL EDUCATION PROGRAM ***

- | | |
|--|----------------------|
| I. Biblical Understanding: | 6 hours |
| BIB 101 or BIB 113 Old Testament Survey/History (3) and
BIB 102 or BIB 123 New Testament Survey/History (3) | |
| OR | |
| One of the Above courses (3) and
UNV 204 Faith and Living: Issues in the 21st Century (3) | |
| II. Written Communication: | 3 - 6 hours |
| Pass the Writing Proficiency Examination and
ENG 101 Academic Writing (3) and
ENG 102 Research Writing (3) | |
| OR | |
| ENG 103 Honors English (3) | |
| III. Fine Arts: | 9 hours |
| Art, Music, or Theatre (6)
COM 123 Dramatic Arts for Teachers (3) | |
| IV. Social Sciences and Humanities: | 15 hours |
| HIS 103 and HIS 104 American History (6)
POS 252 and POS 262 Federal and Arizona Government (3)
PSY 101 Introduction to Psychology (3)
PSY 353 Child Psychology (3) | |
| V. Science and Healthful Living: | 8 hours |
| PHY 101 or PHY 111 Physical Laboratory Sciences (4)
BIO 100, BIO 105, or BIO 181 Biological Laboratory
Science (4) | |
| VI. Mathematics: | 6 hours |
| MAT 130 Contemporary Mathematics I (3)
MAT 131 Contemporary Mathematics II (3) | |
| VII. Computer Applications: | 1 hour |
| Choose from courses with the CAM prefix. | |
| Total P.L.A.F. requirements: | 48 - 51 hours |

**PRESCRIBED LIBERAL ARTS FOUNDATION
FOR THE COLLEGE OF EDUCATION
SECONDARY EDUCATION PROGRAM ★ ***

- | | |
|--|--------------------|
| I. Biblical Understanding: | 6 hours |
| BIB 101 or BIB 113 Old Testament Survey/History (3) and
BIB 102 or BIB 123 New Testament Survey/History (3) | |
| OR | |
| One of the above courses (3) and
UNV 204 Faith and Living: Issues in the 21st Century (3) | |
| II. Written Communication: | 3 - 6 hours |
| Pass the Writing Proficiency Examination and
ENG 101 Academic Writing (3) and
ENG 102 Research Writing (3) | |
| OR | |
| ENG 103 Honors English (3) | |
| III. Fine Arts: | 6 hours |
| Art, Music, or Theatre (3)
COM 123 Dramatic Arts for Teachers (3) | |

- | | |
|--|-----------------|
| IV. Social Sciences and Humanities: | 15 hours |
| HIS 101 or HIS 102 History of Civilization (6) | |
| or | |
| HIS 103 or HIS 104 American History (6)
POS 252 and POS 262 Federal and Arizona Government (3)
PSY 101 General Psychology (3)
PSY 373 Adolescent Psychology (3) | |

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|--|----------------|
| V. Science and Healthful Living: | 6 hours |
| Laboratory Science (4)
Physical Education, Science, or Health (2) | |

- | | |
|--|----------------|
| VI. Mathematics: | 3 hours |
| MAT 120 Intermediate Algebra or higher (3) | |

- | | |
|------------------------------------|---------------|
| VII. Computer Applications: | 1 hour |
| CAM 180 (1) | |

Total P.L.A.F. for Secondary Education Majors
Requirements: 40 - 43

★ Secondary Education students will meet the P.L.A.F. requirements for the College of Education regardless of the College in which their major is offered.

* NOTE: The Direct Transfer Plan from accredited community colleges does not necessarily apply to the Teacher Education Program. Contact an advisor through the College of Education Office for advisement and transfer of credit. Request an Unofficial Program of Study for further clarification.

**DEGREE REQUIREMENTS —
ELEMENTARY EDUCATION/CERTIFICATION (Grades K-8)
(B.S. DEGREE; Minor Required)**

Prescribed Liberal Arts Foundation for the College of Education
Teacher Education Programs (above)

Electives (As required to satisfy the 128 semester hour minimum
graduation requirement)

**Minor Required (In a content area commonly taught in grades
K-8 in the Arizona Public Schools)**

- | | | |
|-----------------------------------|---|---------|
| Elementary Education Major | | |
| EDU 303 | Foundations of Education | 3 hours |
| EDU 313 | Educational Psychology | 3 hours |
| SPE 325 | Educating Learners with Diverse Needs | 3 hours |
| EDU 363 | Instructional Technology | 3 hours |
| EED 323 | Curriculum and Methods: Science | 3 hours |
| EED 340 | Emergent Language OR | 2 hours |
| * ESL 420 | English Linguistics (3) | |
| EED 343 | Curriculum and Methods: Language Arts | 3 hours |
| EDU 412 | Assessing Student Performance | 2 hours |
| EED 403 | Curriculum and Methods: Mathematics | 4 hours |
| **EED 433 | Curriculum and Methods:
Reading/Decoding | 4 hours |
| **EED 443 | Reading Practicum in the
Elementary School | 1 hours |
| EED 463 | Curriculum and Methods: Social Studies | 3 hours |
| ***EDU 430 | Classroom Management | 3 hours |
| ***EDU 420 | Orientation to Student Teaching | 2 hours |
| EED 480 | Student Teaching: Elementary School | 8 hours |

Total Major Hours 47 hours

* Provisional ESL Endorsement requires 6 hours of ESL coursework. Six hours of a foreign language will be required prior to receiving the full endorsement.

** These courses must be taken concurrently.

*** These courses are taught on a 6-week block basis so that student teaching can meet for a full day the other 9 weeks.

RECOMMENDED ELECTIVES FOR ELEMENTARY TEACHER CANDIDATES:

CAM —	Computer Application Modules (3)
473	Children's Literature (3)
471	Adolescent Literature (3)
* ESL 520	English Linguistics (3)
* ESL 523	English Language Teaching Foundations and Methodologies (3)
GEO —	Geography Elective (3)
HLT 333	School Health Problems (3)
MED 381	Music in the Elementary Grades (3)
PED 403	Physical Education in Elementary Grades (2)
PHI —	Ethics Elective (3)
SPE —	Special Education Electives

* Six hours of a foreign language or foreign language proficiency is required prior to receiving the full ESL Endorsement.

DEGREE REQUIREMENTS — LEARNING DISABILITIES (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8) (B.S. DEGREE; Minor Required)

P.L.A.F. for the College of Education Elementary Teacher Education Programs (See page 94)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required (In a content area commonly taught in grades K-8 in the Arizona public schools.)

Learning Disabilities Major

EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
SPE 325	Educating Learners with Diverse Needs	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language OR	2 hours
* ESL 420	English Linguistics (3)	
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 412	Assessing Student Performance	2 hours
EED 403	Curriculum and Methods: Mathematics	4 hours
** EED 433	Curriculum and Methods: Reading/Decoding	4 hours
** EED 443	Reading Practicum in the Elementary School	1 hours
EED 463	Curriculum and Methods: Social Studies	3 hours
SPE 355	Characteristics of Students with Learning Disabilities	3 hours
SPE 375	Strategies for Teaching Students with Learning and Behavioral Disorders: Elementary School	3 hours
SPE 385	Strategies for Teaching Students with Learning and Behavioral Disorders: Secondary School	3 hours
SPE 435	Assessment to Instruction	3 hours
*** EDU 430	Classroom Management	3 hours
*** EDU 420	Orientation to Student Teaching	2 hours
SPE 408	Student Teaching: Learning Disabilities	8 hours
EED 480	Student Teaching: Elementary School	8 hours
Total Major Hours		67 hours

* Six hours of a foreign language or foreign language proficiency is required prior to receiving the full ESL Endorsement.

** These courses must be taken concurrently.

*** These courses are taken concurrently prior to the 18 week student teaching semester.

DEGREE REQUIREMENTS — EMOTIONALLY HANDICAPPED (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8) (B.S. DEGREE; Minor Required)

P.L.A.F. for the College of Education Special Education Programs (See page 94)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required (In a content area commonly taught in grades K-8 in the Arizona public schools.)

Emotionally Handicapped Major

EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
SPE 325	Educating Learners with Diverse Needs	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language OR	2 hours
* ESL 420	English Linguistics (3)	
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 412	Assessing Student Performance	2 hours
EED 403	Curriculum and Methods: Mathematics	4 hours
** EED 433	Curriculum and Methods: Reading/Decoding	4 hours
** EED 443	Reading Practicum in the Elementary School	1 hours
EED 463	Curriculum and Methods: Social Studies	3 hours
SPE 365	Characteristics of Students with Serious Emotional and Behavioral Disorders	3 hours
SPE 375	Strategies for Teaching Students with Learning and Behavioral Disorders: Elementary School	3 hours
SPE 385	Strategies for Teaching Students with Learning and Behavioral Disorders: Secondary School	3 hours
SPE 435	Assessment to Instruction	3 hours
*** EDU 430	Classroom Management	3 hours
*** EDU 420	Orientation to Student Teaching	2 hours
SPE 418	Student Teaching: Emotionally Handicapped	8 hours
EED 480	Student Teaching in the Elementary School	8 hours
Total Major Hours		67 hours

* Six hours of a foreign language or foreign language proficiency is required prior to receiving the full ESL Endorsement.

** These courses must be taken concurrently.

*** These courses are taken concurrently prior to the 18 week student teaching semester.

COURSES FOR SECONDARY CERTIFICATE (Grades 7-12) (DEGREE DEPENDS ON MAJOR)

EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
SPE 325	Educating Learners with Diverse Needs	3 hours
EDU 363	Instructional Technology	2 hours
SED 442	Secondary Methods	3 hours
EDU 412	Assessing Student Performance	2 hours
* SED 452	Learning Strategies for Secondary School	3 hours

* SED 462	Secondary Practicum	2 hours
** EDU 430	Classroom Management	3 hours
** SED 443	Secondary Curriculum Development	2 hours
** EDU 420	Orientation to Student Teaching	2 hours
** SED 480	Student Teaching: Secondary School	8 hours

Total Secondary Certification Hours 36 hours

* These courses must be taken concurrently.

** These courses are taught on a 6-week block basis so that student teaching can meet for a full day the other 9 weeks.

The student's major, required for graduation, is his or her major teaching field. Certifiable majors are defined on page 91.

All students interested in teaching at the secondary level must have an advisor from the College of Education faculty as well as an advisor from the major field of study.

The minor, also required for graduation, is recommended to be 24 semester hours, rather than the usual 18. A minor is not required for secondary certification for students majoring in art education, or music education. Students should confer with faculty personnel in the minor department.

FIFTH YEAR PROGRAM

The Teacher Education Program has been extended to include a fifth year of preparation to meet current Arizona teacher certification requirements. Students who have previously earned a bachelor's degree from a regionally accredited institution are recommended for standard certification after successful completion of a fifth year program of at least 40-47 semester hours of upper division work in appropriate professional education, academic preparation, and/or supervised student teaching experience. Policies and requirements for admission to the program are the same as those noted for degree candidates. The Master of Education (M.Ed.) degree is offered as an alternative to this program.

GRADUATE STUDIES

The graduate program was designed to enhance the professional performance of the teacher in the K-12 classroom. The Master of Arts in Education (M.A.) degree was designed for the advanced preparation of practicing elementary and secondary teachers. The Master of Education (M.Ed.) degree was designed for the preparation of Certification for the first time at the elementary and secondary level. The application procedures are the same for both programs; however, the M.Ed. student will follow the policies and procedures regarding the undergraduate student as well as the policies and procedures regarding the graduate student.

GRADUATE CURRICULUM

The courses in the M.Ed. program are planned to provide curricula for the certification of elementary teachers (grades K-8) and secondary teachers (grades 7-12) as well as advanced study. It may be possible for the M.Ed. student to complete certification requirements within 12 to 18 months of full-time study and return the following years to complete the master's degree coursework. An advisor in the College of Education is available for consultation; however, it is the responsibility of the graduate student to enroll in the proper courses and follow the policies and procedures as stated in the current College of Education Policy Handbook.

The courses in the M.A. program are designed to provide advanced study in a specialized area of education. Coursework is presently offered in the following areas:

1. Curriculum and Instruction

2. Elementary Education
3. Reading Education *
4. Secondary Education
5. Teaching English as a Second Language *
6. Urban Education

* Certification Requirements for the Arizona Department of Education are included in these programs of study.

Graduate students who wish to specialize in an area commonly taught at the secondary level (grades 7-12) are encouraged to begin their program of study at Grand Canyon University as we continue to develop new programs. Other areas in developmental stages include Bilingual Education and Special Education.

The Los Angeles, California, urban area offers a unique multi-cultural field site for the M.A. degree program for Urban Education. The program is designed for Christian professionals who desire to become educators within an urban cultural context, rather than a K-12 classroom, while simultaneously continuing their professional work. The urban educator will assist others in the cultural community to define and analyze a situation; define the unique needs of individuals, groups, and organizations; assist people to become effective learners; and to empower people to become change agents in their own society. The students in this program will participate in coursework and field experience in the Los Angeles area as well as attend classes at Grand Canyon University in Phoenix.

APPLICATION PROCEDURES FOR GRADUATE STUDIES **ELIGIBILITY FOR ADMISSION**

Master of Arts students may secure an admissions packet from the Graduate Office in the College of Education. Master of Education students can purchase the packet from the Graduate Office in the College of Education. Nine hours of graduate credit may be taken prior to admission to the master's program in the College of Education. Further clarification of the following requirements are contained in the admissions packet.

Master of Education (M.Ed.) candidates must submit to the Graduate Office in the College of Education:

1. Graduate Application;
2. A passing score on the Basic Skills Component of the Arizona Teacher Proficiency Examination (ATPE);
3. A passing score on the Writing Proficiency Examination;
4. A 2.50 cumulative GPA as well as a 2.50 GPA in the major area of desired certification: Any grade in the certifiable major area below a grade of "C" must be retaken at Grand Canyon University. A certifiable major in secondary education is determined by the Arizona Department of Education as any course of study that is commonly taught in grades 7-12 in the public schools in Arizona;
5. Three references;
6. Official transcripts from all regionally accredited colleges or universities attended.
7. All candidates must submit an application for fingerprint clearance and fingerprint card to the State Department of Education (copies of these forms should be submitted to the College of Education).

Master of Arts in Education (M.A.) candidates must submit to the Dean of the College of Education:

1. Graduate Application;
2. Record of satisfactory performance on the Miller Analogies Test (MAT) or the Graduate Record Examinations General Test

(GRE); waived for applicants with an undergraduate GPA of 3.00 or above.

3. A 2.80 cumulative GPA as well as a 2.80 GPA in the major area of certification;

Copy of current teaching certificate;

5. Two references;
6. Copy of most recent teacher evaluation;
7. Official transcripts from all regionally accredited colleges or universities attended.

Acceptance into the graduate M.A. programs in Reading Education and Urban Education will be dependent upon cohort groups of 15 students.

Once the student is accepted into the graduate program, the candidate has eight years to complete the program of study. Additional course requirements may be imposed at the discretion of the graduate committee if the program extends beyond this time limit. Upon acceptance into the graduate program, the student will receive an Official Program of Study. In order for that Official Program of Study to remain valid, the student must be continuously enrolled in the program.

All graduate students must maintain a 3.00 GPA. Writing a thesis is an option in the graduate program.

The College of Education Graduate Policy Handbook is available in the University Bookstore.

All elective courses must receive approval from the Associate Dean for Graduate Studies prior to the student enrolling in coursework.

DEGREE REQUIREMENTS — MASTER OF EDUCATION (M.Ed.)

PROGRAM OF STUDY FOR ELEMENTARY CERTIFICATION (Grades K-8)

General Education Prerequisites for Certification:

English	6 hours
Art, Music, Theatre, Dance	9 hours
U. S. History, Western Civilization, or Geography	6 hours
Federal and Arizona Government	3 hours
General Psychology	3 hours
Child Psychology (or equivalent)	3 hours
Educational Psychology	3 hours
Lab Science	8 hours

(4 hours in Physical Lab Science and

4 hours in Biology Lab Science:

Recommended PHY 101 or PHY 111,
and BIO 100, BIO 105 or BIO 181)

Mathematics (MAT 130, MAT 131)	6 hours
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Professional Preparation Requirements:

Complete prior to Certification — 44 hours

EDU 570	Philosophical/Social Issues	3 hours
EDU 363	Instructional Technology	3 hours
SPE 325	Educating Learners with Diverse Needs	3 hours
EED 340	Emergent Language (2) OR	2 hours
* ESL 420	English Linguistics (3)	
EED 323	Curriculum and Methods: Science	3 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 412	Assessing Student Performance	2 hours
EED 563	Curriculum and Methods: Social Studies	3 hours
EED 503	Curriculum and Methods: Mathematics	4 hours
** EED 533	Curriculum and Methods: Reading/Decoding	4 hours
** EED 443	Reading: Practicum	1 hours

*** EDU 430	Classroom Management	3 hours
*** EDU 420	Orientation to Student Teaching	2 hours
*** EED 480	Student Teaching	8 hours
Complete after Certification — 18 hours		
— —	Approved Elective at the 500 level	2 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship OR	
EDU 699	Independent Study	2 hours

Total Degree Hours 62 hours

- * Proficiency in a language other than English is required.
- ** These courses must be taken concurrently. Acceptance into the Master of Education Degree Program is required.
- *** These courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9-weeks. It is recommended that no other coursework be taken during the student teaching experience.

2.) PROGRAM OF STUDY FOR SECONDARY CERTIFICATION (Grades 7-12)

General Education Prerequisites for Certification:

English	6 hours
Humanities and/or Speech	3 hours
* Federal and Arizona Government	3 hours
General Psychology	3 hours
* Adolescent Psychology (Recommended)	3 hours
* Educational Psychology	3 hours
Science or Mathematics	3-4 hours

Professional Preparation Requirements:

Complete prior to Certification — 33 hours

— EDU 570	Philosophical/Social Issues	3 hours
— EDU 363	Instructional Technology	2 hours
— SPE 325	Educating Learners with Diverse Needs	3 hours
— SED 442	Secondary Methods	3 hours
— EDU 412	Assessing Student Performance	2 hours
— * SED 552	Learning Strategies for the Secondary School	3 hours
— * SED 462	Secondary Practicum	2 hours
— ** EDU 430	Classroom Management	3 hours
— ** SED 543	Secondary Curriculum	2 hours
— ** EDU 420	Orientation to Student Teaching	2 hours
— ** SED 480	Student Teaching	8 hours

Complete after Certification — 22 hours

— —	Approved Electives at the 500 level	6 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship OR	
EDU 699	Independent Study	2 hours

Total Degree Hours 55 hours

- * These courses must be taken concurrently. Acceptance into the Master of Education Degree Program is required.
- ** These courses are taught on a 6-week block basis so that

student teaching can be for a full day the other 9 weeks. It is recommended that no other coursework be taken during the student teaching experience.

3.) **PROGRAM OF STUDY FOR SPECIAL EDUCATION CERTIFICATION (Grades K-12) LEARNING DISABILITIES AND EMOTIONAL HANDICAPPED**

In addition to complying with the program of study for the Elementary M.Ed., the following courses must be completed: SPE 355, SPE 365, SPE 375, SPE 385, SPE 535, and SPE 408 and/or SPE 418.

DEGREE REQUIREMENTS — MASTER OF ARTS (M.A.)

1.) **PROGRAM OF STUDY FOR CURRICULUM AND INSTRUCTION**

Contact the Associate Dean for Graduate Studies for a specialized program of study.

2.) **PROGRAM OF STUDY FOR ELEMENTARY EDUCATION**

Prerequisites:

Elementary Education Certification
Admittance to M.A. Program

Core Education Requirements:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship OR	
EDU 699	Independent Study	2 hours

Elementary Education Requirements:

— —	Approved Elective at 500 level	3 hours
	OR	
— —	Content Area Specialization Courses	6 hours
EED 583	Elementary School Mathematics	3 hours
EED 584	Elementary School Science	3 hours
RDG 503	Foundations in Reading OR	
RDG 504	Innovative Reading Programs OR	
RDG 606	Research in Reading	3 hours

Total Degree Hours 37 hours

3.) **PROGRAM OF STUDY FOR READING EDUCATION ***

Prerequisites:

Elementary, Secondary, or Special Education Certification
EED 433/533 Curriculum and Methods: Reading
SED 452/552 Learning Strategies for Secondary School
Admittance to the M.A. Program

Core Education Requirements:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours

Reading Education Requirements:

ENG 471/571	Adolescent Literature OR	
ENG 473/573	Children's Literature and Storytelling	3 hours
RDG 503	Foundations in Reading	3 hours
RDG 504	Innovative Reading Programs	3 hours
RDG 505	Diagnosis and Remediation of Reading Problems	3 hours
RDG 606	Research in Reading	3 hours
RDG 680	Internship in Reading	3 hours

Total Degree Hours 35 hours

* Compliance with the Arizona Department of Education Reading Endorsement Certification (Grades K-12).

4.) **PROGRAM OF STUDY FOR SECONDARY TEACHERS with an area of specialization will be designed in conjunction with the Associate Dean for Graduate Studies.**

5.) **PROGRAM OF STUDY FOR TEACHING ENGLISH AS A SECOND LANGUAGE (TESL) ***

The College of Education offers courses that also meet the Bilingual Education Endorsement with additional approved minimal off-campus credit. The English as a Second Language Endorsement (ESL) and the Bilingual Education Endorsement (BLE) are important for educators seeking employment in the Southwest where school populations are increasingly linguistically and ethnically diverse. For both endorsements, second language training is required. Spanish is encouraged as the language of choice and coursework in Spanish for classroom teachers is provided. Provisional endorsement may be obtained with six hours of specific coursework, renewed annually by the state for up to three years when the two (21) semester hours for full endorsement must be completed.

There are two tracks for obtaining a Master of Arts degree with a major in TESL, one which requires an Arizona teaching certificate and one which does not. The former is for teachers who intend to teach in the K-12 school setting, while the latter is for individuals planning to teach in a mission setting or a postsecondary setting internationally or in the United States.

Prerequisites:

Elementary or Secondary Certification for United States K-12 Teachers only
Admittance to the M.A. Program

If your native language is other than English, your official score for the Test of English as a Foreign Language (TOEFL) must be at least 575 to be considered for admission into the TESL graduate program.

Undergraduate Requirements:

Foreign Language 6 hours or passage of Arizona classroom proficiency exam

Core Education Requirements:

**EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
**EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing in ESL	2 hours
EDU 615	Professional Writing (optional)	2 hours

English as a Second Language Requirements:

ESL 514	Inter-Cultural Communication	3 hours
ESL 520	English Linguistics	3 hours
ESL 523	English Language Teaching Foundations and Methodology	3 hours
ESL 530	Advanced Grammar for English Language Teaching	3 hours
ESL 610	Advanced Language Teaching Methodologies and Assessment	3 hours
ESL 611	Language Teaching Curriculum and Materials Design	3 hours
ESL 680	Internship in ESL or TESL	3 hours

Total Degree Hours 38 hours

* Compliance with the Arizona Department of Education ESL Endorsement (valid for grade level of teaching) Certificate.

** For the non-certification program in Teaching English as a Second Language (TESL), select one of these courses for a total of 35 hours.

6.) PROGRAM OF STUDY FOR URBAN EDUCATION ***Prerequisites:**

Bachelor's Degree

Admittance to the M.A. Program

Core Education Requirements:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 572	Leadership Development	3 hours
EDU 598	Masters Seminars (3) OR	
URB 598	Masters Seminars (3)	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship	2 hours

Urban Education Requirements:

URB 500	The City: The Urban Educator's Classroom	3 hours
URB 501	Unfolding the Logos of World Civilization	3 hours
URB 502	Urban Social Change	3 hours
URB 503	Counseling and Development in a Multicultural Context	3 hours
URB 504	The Urban Educator's Worldview	3 hours
URB 505	The Nature of the Non-Western World	3 hours

Total Degree Hours 37 hours

* This program does not lead to K-12 certification for teaching. Grand Canyon University reserves the right to delay the program if enrollment does not meet the minimum requirement. The URB courses as well as EDU 572 will be taught at the Los Angeles Field Site in California.

EDUCATION**EDU 103 3 hours**
Learning Strategies for College Success

Every semester. Designed to reinforce and develop the reading/learning strategies needed for success in college courses. Emphasis is placed on comprehension, vocabulary development, writing process, study strategies, effective reading techniques, time management and test-taking techniques. Literature as well as content area reading studies included.

EDU 113 3 hours
Learning Strategies for College Success

Every semester. Continuation of **EDU 103** for those students desiring further development in this area.

EDU 202 2 hours
Overcoming Math Anxiety

On demand. Designed to help math-anxious students to trace the origins of their fears and work at conquering them. Myths about mathematics achievement will be discussed and put to rest. Emphasis will be placed on strategies needed to reduce math anxiety including relaxation training, self-monitoring, positive affirmation, math visualization techniques and group discussion of difficulties in confronting mathematics.

EDU 303 3 hours
Foundations of Education

Every semester. 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 or are exploring a career in education. Includes a first phase observation in the K-12 classroom. Prerequisite: Sophomore status.

EDU 313 3 hours
Educational Psychology

Every semester and every Summer. A thematically arranged study of the theories and principles of psychology which have influenced instructional practices. Behavioral and cognitive approaches to learning, motivation and instruction are explored. Prerequisites: PSY 101, PSY 353 or PSY 373 recommended.

EDU 355 3 hours
Using Computers in the Classroom

On demand. This course will provide a basic knowledge of computers as related to education: How they work, what they can do for us and current issues in all teaching disciplines. It will also give practical experience enabling the student to use the computer as a tool in teaching. Prerequisite: Instructor's approval.

EDU 363 2 - 3 hours
Instructional Technology

Every semester and every Summer. Also **MIN 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. Emphasis is also given to the new technologies of education such as: distance learning, computer networking and the information highway, computer multimedia and interactive video. Recommended Prerequisites: EDU 303 and EDU 313.

- EDU 396** **2 hours**
Education Tutoring
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.
- EDU 412** **2 hours**
Assessing Student Performance
 Every semester and every Summer. Focuses on the philosophy and strategies for testing, a variety of assessment techniques, examination construction and critical thinking skills as applied to student assessment. Special emphasis will be placed on familiarizing the student with the Arizona Student Assessment Program (ASAP) and with the assessment criteria of the Grand Canyon University student teacher evaluation instrument. Major projects of this course will include a course portfolio, an examination construction project and an alternative assessment for a unit in the student's field of study. Prerequisites: EED 323 or EED 343 or SED 442, EDU 303 or EDU 570, EDU 313 and admittance to the teacher education program.
- EDU 420** **2 hours**
Orientation to Student Teaching
 Every Fall and every Spring. 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 are other professional personnel. Additional instruction is given by the faculty of the College of Education. Prerequisites: All required courses for certification except EDU 430, SED 443 and student teaching.
- EDU 430** **3 hours**
Classroom Management
 Every Fall and every Spring. Designed to allow the prospective teacher the opportunity to learn techniques involved in the successful management of a learning environment. Major emphasis is given to the establishment of a realistic discipline plan. Prerequisites: All required courses for certification except EDU 420, SED 443 or SED 543 and student teaching.
- EDU 444** **3 hours**
Middle School Curriculum
 Every Summer on demand. This course will explore the distinctions between elementary, secondary, and middle schooling in order to gain a broad, yet solid, view of the elements that must be considered as schools attempt to develop programs and curricula more appropriate for young adolescents.
- EDU 463** **3 hours**
Presentational Technology
 Every Fall and every Spring. This course provides students with an in-depth exposure to a wide-range of presentational techniques and visual aids, ranging from simple visuals to computer-generated slide shows. Emphasis will be given to audience analysis, medium selection and platform presentation skills practice. This course is designed primarily for majors in Business and Communications. Prerequisites: CAM 180A, CAM 180B, SPC 113.
- EDU 533** **3 hours**
Computer Curriculum Management
 On demand. This course provides a basic knowledge of the tools and procedures available for creating and maintaining a computer science curriculum. Prerequisite: Instructor's approval.
- EDU 570** **3 hours**
Philosophical/Social Issues in Education
 Every semester and every Summer on demand. Designed to acquaint the student with the philosophical basis upon which educational theories and practices are constructed and the societal issues and problems that are involved in the education system. Prerequisite: Bachelor's degree.
- EDU 571** **3 hours**
Psychological Issues
 Every Spring and every Summer on demand. Psychological topics will focus on classical and modern theories of learning. Inherent in the course is a study of the most recent issues in educational psychology concerning the learner, and learning process, the learning situation and research in educational psychology. Actual research drawn from realistic classroom situations will provide an opportunity for the practitioner to test the applicability of the theories. Prerequisites: Bachelor's degree, EDU 313, PSY 353 or PSY 373.
- EDU 572** **3 hours**
Leadership Development
 Fall, 1996, and alternate years. Offered at the Los Angeles Site only. Various models, definitions, and case studies of leadership are examined within the context of the educational spectrum. The different roles and character formation of the leader are presented. Both the theory and methods of mentoring are studied as essential for the multiplication of strategically-minded leaders. Prerequisites: Admittance to the M.A. Program, EDU 570, EDU 571.
- EDU 580/680** **1 - 2 hours**
Internship
 Every semester and every Summer. This course is designed for the student to spend 45-90 clock hours in a K-12 classroom setting and college classroom setting. The student will demonstrate competence at a master teacher level. Supervision will be provided by administrator, College of Education faculty and/or peer teacher. Prerequisites: Near completion of the M.Ed. or M.A. program, EDU 570, EDU 571, EDU 612.
- EDU 598** **1 hour**
Masters Seminars
 Every semester and every Summer. The Masters Seminar provides a forum for scholarly exchange among students at the M.Ed. or M.A. level. This exchange includes student presentations, guest lecturers, faculty presentations, or other mini-courses deemed necessary for the well-rounded and prepared Master's candidate. A minimum of three Masters Seminars are required for both the M.Ed. and M.A. program. Prerequisite: EDU 303 or EDU 570 or Senior (undergraduate) status with a 3.00 GPA or Bachelor's degree.
- EDU 599/699** **1 - 2 hours**
Independent Study
 Every semester and every Summer. This course allows participants to design their own course objectives to meet individual needs in regard to curriculum design in a K-12 classroom. Prerequisites: Near completion of the M.Ed. or M.A. program, EDU 570, EDU 571, EDU 612.
- EDU 612** **3 hours**
Curriculum Issues and Innovations
 Every Spring. This course will look beyond the technological, or measured curriculum. It will address many important goals for students such as learning how to learn, problem solving and functioning effectively and humanely in a pluralistic society. Alternative approaches to curriculum will be investigated. Prerequisites: SED 443 or SED 543 or EED 463 or EED 563, Bachelor's degree and teaching certificate.

EDU 613 **Educational Research** **3 hours**
 Every Fall, and every Summer on demand. Educational Research graduate course designed specifically to develop an appreciation of educational research. This course will examine approaches to research. Prerequisites: Admittance to the M.Ed. or M.A. program, EDU 412, EDU 570.

EDU 614 **Research and Writing** **2 hours**
 Every Spring. Incorporating "active learning" principles within a theoretical context will be the essence of the course. The practitioner in the field will have the opportunity to explore one educational problem in depth and one appropriate research methodology. That problem and methodology will be presented and conducted as a research project. Prerequisites: Admittance to the M.Ed. or M.A. program and EDU 613, EDU 570, EDU 571.

EDU 615 **Professional Writing** **2 hours**
 Every Summer. The practitioner in the field will have the opportunity to write and submit a paper to a professional audience. The research proposal from EDU 614 can be implemented and presented, or the student may choose another area of educational concern. Prerequisites: Admittance to the M.Ed. or M.A. program and EDU 570, EDU 571, EDU 598, EDU 612, EDU 613, EDU 614.

ELEMENTARY EDUCATION

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

EED 323 **Curriculum and Methods: Science** **3 hours**
 Every semester and every Summer. Designed to acquaint the elementary teacher with the curriculum and the effective techniques for the teaching of science. The student is involved in planning instruction, employing science programs that are currently being used in the public schools and using instructional models. Laboratory experiences. Prerequisites: PSY 353; EDU 303 or EDU 570; BIO 100, BIO 105, or BIO 181 and PHY 101 or PHY 111; EDU 313; COM 123 (may be taken concurrently); admittance to the teacher education program.

EED 340 **Emergent Language** **2 hours**
 Every semester and every Summer. This course is designed to familiarize students with emergent language and early linguistic development. Emphasis will be placed on oral and written language development and the implications of this development on language, learning, curriculum, language structure and an awareness of patterns of communication among cultures. Prerequisite: Sophomore status.

EED 343 **Curriculum and Methods: Language Arts** **3 hours**
 Every semester and every Summer. This course is designed to familiarize the student with language arts skills. Emphasis will be placed on approaches to teaching and developing creative activities which involve students in the language arts curriculum. Laboratory experiences will include multicultural classrooms. Prerequisites: EDU 303 or EDU 570, EED 340, ENG 101, ENG 102, COM 123 (may be taken concurrently) and admittance to the teacher education program.

EED 403 **Curriculum and Methods: Mathematics** **4 hours**
 Every semester. 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. Prerequisites: EDU 303, EDU 313, EED 323, MAT 130, MAT 131, senior status recommended, junior status required and admittance to the teacher education program.

EED 433 **Curriculum and Methods: Reading/Decoding** **4 hours**
 Every semester. Techniques for teaching major aspects of reading through various approaches as well as developing life-long learners. This course will also focus on the theoretical constructs undergirding different approaches to reading. Must be taken concurrently with EED 443. Prerequisites: EDU 303, EED 340, EED 343, senior status recommended, junior status required, and admittance to the teacher education program.

EED 443 **Reading Practicum in the Elementary School** **1 hour**
 Every semester. A school-centered practicum (to include decoding) designed to provide prospective teachers with teaching experience in reading over the length of one semester in a school classroom. Taken concurrently with EED 433. Prerequisites: EDU 303 or EDU 570, EED 340, EED 343, senior status recommended, junior status required and admittance to the teacher education program.

EED 463 **Curriculum and Methods: Social Studies** **3 hours**
 Every semester and every Summer. This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, materials and resources available, and current developments in the field. Laboratory experiences will include multicultural classrooms. Prerequisites: EDU 303, EDU 313, EED 323, EED 340, EED 343, HIS 103, HIS 104, POS 252, POS 262, senior status and admittance to the teacher education program.

EED 480 **Student Teaching: Elementary School** **8 hours**
 Every semester. The student is assigned to an approved school to serve as a student teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for elementary certificate, a 2.50 GPA, admission to the teacher education program, and senior status. Credit only, no grade is given.

EED 503 **Curriculum and Methods: Mathematics** **3 hours**
 Every semester. The formulation of programs for the individual child in order to teach the theory and practice of elementary mathematics is an integral part of this course. The utilization of games in the classroom, manipulative materials and the mathematics curriculum in the elementary school is included as part of the course content. Theory and practice will be correlated through research topics. Prerequisites: MAT 130, MAT 131, EDU 570, EED 323 and admittance to the M.Ed. program.

EED 533 4 hours
Curriculum and Methods: Reading/Decoding

Every semester. Techniques for teaching major aspects of reading through various approaches as well as developing life-long learners. This course will also focus on the theoretical constructs undergirding different approaches to reading. Current reading theory and research will be addressed and incorporated throughout the course. Consideration will be given to multicultural issues. EED 443 must be taken concurrently. Prerequisites: EDU 570, EED 340, EED 343 and admittance to the M.Ed. program

EED 563 3 hours
Curriculum and Methods: Social Studies

Every semester and every Summer. This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, available materials and resources, and current developments in the field. Laboratory experiences will include multicultural classrooms. Prerequisites: EED 323, EED 340, EED 343, EDU 313, EDU 570, six (6) hours of history, civilization, or geography, POS 252, POS 262 (or verification of Federal and Arizona Constitution Test passed), and admittance to the M.Ed. program.

EED 583 3 hours
Elementary School Mathematics

Every Spring on demand. Contemporary mathematics programs in relation to content, materials and teaching strategies will be explored. Development of a math curriculum will enable K-8 students to gain mathematical competency according to their respective capabilities. Prerequisites: EED 403 or EED 503 and Elementary, Secondary or Special Education Certificate.

EED 584 3 hours
Elementary School Science

Every Fall on demand. A personal view of science and how it has shaped the way we think and behave will be explored. A teaching philosophy will be derived from the discipline of science and the way students learn. Application to the classroom will be an integral aspect of the course. Prerequisites: EED 323 and Elementary, Secondary or Special Education Certificate.

READING EDUCATION

RDG 503 3 hours
Foundations in Reading

Every Summer on demand. This course is designed to provide an in-depth view of reading instruction and its foundations with an understanding of the linguistic and cognitive bases for the reading process. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433 or EED 533 or SED 452 or SED 552.

RDG 504 3 hours
Innovative Reading Programs

Every Fall on demand. This course critically examines current new practices and developing innovations in the field of Reading Education. A minimum of three areas of current promise and/or concern for the practitioner will be explored in depth each semester. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433 or EED 533, SED 452 or SED 552.

RDG 505 3 hours
Diagnosis and Remediation of Reading Problems

Every Fall on demand. The ability to measure a reader's reading comprehension, logical language production, ability to deal with the grammatical structures of printed language, word recognition, and word identification are all important components of this course. Prescribing, planning and implementing measures to remediate deficiencies in one or more of these areas is included as part of the course. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433 or EED 533, SED 452 or SED 552, RDG 503, RDG 504.

RDG 606 3 hours
Research in Reading

Every Spring on demand. This course will take an in-depth look at reading research and how it applies to the classroom. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433 or EED 533, SED 452 or SED 552, RDG 503, RDG 504, RDG 505.

RDG 680 3 hours
Internship in Reading

Every semester on demand. This course is designed for the student who wishes to explore the role of Reading Specialist. The student will spend up to 135 hours in a K-12 district setting. The time may be divided between actual involvement in a school setting and research into the diverse role of the reading specialist. Supervision will be conducted/provided by the College of Education reading faculty and/or cooperating administrator in the field. Prerequisites: Elementary, Secondary, or Special Education Certificate, EDU 613, EED 433 or EED 533, SED 452 or SED 552, RDG 503, RDG 504, RDG 505, RDG 606 and admittance to the M.A. program.

ENG 571 3 hours
Adolescent Literature

Every Spring. Also **ENG 471**. A course for students who wish to read and examine literature being written for adolescents. Novels from a variety of genre will be studied and issues arising from discussions with teens will be emphasized. A variety of contemporary issues will be traced through adolescent literature. Prerequisite: Bachelor's degree.

ENG 573 3 hours
Children's Literature and Storytelling

Every Fall. Also **ENG 473**. A variety of children's literature from outstanding authors are surveyed through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of storytelling are investigated. Literary theory that supports literary criticism is examined. Prerequisite: Bachelor's degree.

SECONDARY EDUCATION

SED 442 3 hours
Secondary Methods

Every semester and every Summer. Designed to help teachers and prospective teachers of young adults to find their own teaching style and recognize the different learning styles of their students in order to make appropriate decisions about all aspects of the teaching process. Emphasis is given to teaching methodology which encourages problem-solving and active participation. Prerequisites: COM 123, EDU 303 or EDU 570 and EDU 313 both may be taken concurrently.

SED 443 2 hours**Secondary Curriculum Development**

Every semester and every Summer on demand. A study of secondary school curriculum development. Major emphasis is given to planning instructional objectives, lesson planning and developing model curriculum. Prerequisites: PSY 373, EDU 303, EDU 313, SED 442, SED 452, SED 462, and admittance to the teacher education program.

SED 452 3 hours**Learning Strategies for Middle and Secondary School**

Every semester. This course is designed to help preservice and in-service teachers acknowledge the realities of today's socially and culturally diverse classrooms. It will focus on teaching and learning strategies that meet the needs of middle and secondary school students. Must be taken concurrently with SED 462. Prerequisites: EDU 303, EDU 313; May be taken concurrently with SED 442; and admittance to the teacher education program.

SED 462 2 hours**Secondary Practicum**

Every semester. A school-centered experience designed to provide prospective teachers with intensive involvement in a middle or secondary school with students and classroom teachers. Must be taken concurrently with SED 452. Prerequisites: EDU 303 or EDU 570, EDU 313; may be taken concurrently with SED 442; and admittance to the teacher education program.

SED 480 8 hours**Student Teaching: Secondary School**

Every semester. The student is assigned to an approved school to serve as a student teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for a secondary certificate, completed major, a 2.50 GPA, admission to the teacher education program, and senior status. Credit only, no grade given.

SED 543 2 hours**Secondary Curriculum Development**

Every semester and every Summer on demand. Various orientations to curriculum development will be investigated. Emphasis is given to planning instructional objectives and developing a model curriculum. Students will be involved in a literature study focus on innovative practices in secondary schools. Prerequisites: EDU 570, EDU 313 or EDU 571, SED 442, SED 552, SED 362 and admittance to the M.Ed. program.

SED 552 3 hours**Learning Strategies for Middle and Secondary School**

Every semester. This course is designed to help preservice and in-service teachers acknowledge the realities of today's socially and culturally diverse classrooms. It will focus on teaching and learning strategies that meet the needs of middle and secondary school students. An investigation into middle or secondary content reading programs is a component of this course. Integrated or thematic approaches will be emphasized. Must be taken concurrently with SED 462. Prerequisites: EDU 570, EDU 313 or EDU 571 and admittance to the M.Ed. program.

SPECIAL EDUCATION**SED 325 3 hours****Educating Learners with Diverse Needs**

Every semester. This course is a survey of the unique learning needs of exceptional students. Prerequisite: PSY 101.

SPE 355 3 hours**Characteristics of Students with Learning Disabilities**

Every Spring. This course is designed to provide the prospective special education teacher with advanced knowledge of the etiology of learning disabilities. Included in this course are diagnosis techniques and related remedial practices. Prerequisite: SPE 325.

SPE 365 3 hours**Characteristics of Students with Emotional and Behavioral Disorders**

Every Fall. An advanced study of the characteristics of individuals with emotional and behavioral disorders and the school-based educational programs designed to meet their needs. SPE 325.

SPE 375 3 hours**Strategies for Teaching Students with Learning and Behavioral Disorders: Elementary School**

Every Fall. This course focuses on instructional methods to meet the needs of elementary students identified with learning disabilities and behavior disorders. Prerequisites: SPE 325, SPE 355 or SPE 365, admittance to the teacher education program.

SPE 385 3 hours**Strategies for Teaching Students with Learning and Behavioral Disorders: Secondary School**

Every Spring. Methods and techniques of planning and implementing instructional strategies for educating secondary students with learning and behavioral problems in both the special and general education classrooms. Prerequisite: SPE 325, SPE 355 or SPE 365, admittance to the teacher education program.

SPE 408 8 hours**Student Teaching in Special Education: Learning Disabilities**

Every semester. A practicum course designed to give the student teacher experience in teaching children with learning disabilities. All-day assignment for nine weeks in an approved school. Prerequisites: Required courses for Special Education Certificate, a 2.50 GPA and admission to the teacher education program. Credit only, no grade is given.

SPE 418 8 hours**Student Teaching in Special Education: Serious Emotionally Handicapped**

Every semester. A practicum course designed to give the student teacher experience in teaching children with behavioral disorders. All-day assignment for nine weeks in an approved school. Prerequisites: Required courses for Special Education Certificate, a 2.50 GPA and admission to the teacher education program. Credit only, no grade is given.

SPE 435 3 hours**Assessment and Instruction**

Every Spring. Characteristics and uses of diagnostic instruments which can be used to identify, evaluate, and assess learning needs of exceptional students. Prerequisites: SPE 325, SPE 355 or SPE 365, SPE 375 or SPE 385, and admittance to the teacher education program.

SPE 500 3 hours**The Gifted Child**

On demand. This course is essential for educators contemplating working with gifted and talented children. Its content encompasses philosophy, history, research, characteristics, educational programs, and screening and identification techniques. Prerequisite: Senior status or graduate student.

SPE 515 **Teaching the Gifted Child** **3 hours**

On demand. The approach to teaching and selection of subject matter for the gifted should be identifiably different. There are several teaching/learning models, which if applied, will enable the teacher to make content, process, product, and learning environment modifications for the gifted. The goal of this course is to teach, through examples and informational products, a variety of the methods for teaching gifted individuals. Prerequisite: SPE 500.

SPE 520 **Instructional Strategies in Gifted Education** **3 hours**

On demand. This course delineates diagnostic and prescriptive approaches for meeting the instructional needs of gifted/talented students. Teaching strategies and curricular materials will be examined to determine their appropriateness for the gifted/talented. Prerequisites: SPE 500, SPE 515.

SPE 525 **Curriculum Development in Gifted Education** **3 hours**

On demand. This is designed for teachers of the gifted who have completed the basic courses in teaching the gifted. It provides a structured format for assisting the teacher in developing a curriculum for gifted and talented students. Students enrolling in this course are given individual assistance and feedback and are provided with weekly seminars on topics identified as useful in helping with their step-by-step curriculum development. Prerequisites: SPE 500, SPE 515, SPE 520.

SPE 535 **Assessment and Instruction** **3 hours**

Every Spring. Characteristics and uses of diagnostic instruments which can be used to identify, evaluate, and assess learning needs of exceptional students. Prerequisite: SPE 325, SPE 355 or SPE 365, SPE 375 or SPE 385, and admittance to the graduate program.

SPE 580/680 **Internship in Gifted Education** **6 hours**

On demand. The student is assigned to an approved, experienced teacher or coordinator of programs for the gifted for six weeks. The internship is individualized and arrangements are based on student needs. Prerequisites: 12 hours in SPE 500, SPE 515, SPE 520, SPE 525, or SPE 533 and EDU 613.

TEACHING ENGLISH AS A SECOND LANGUAGE**ESL 420** **English Linguistics** **1 or 3 hours**

Every semester on demand. Also **ESL 520**. This course is designed to familiarize students with emergent language, early linguistic development, and the fundamentals of linguistic theory, including the morphological, phonological, and syntactic structure of the English language as well as pragmatics, semantics, and issues in first and second language acquisition. Emphasis is placed on oral and written language development and the implications of this development on language, learning, curriculum, language structure and an awareness of patterns of communication among cultures.

ESL 514 **Inter-Cultural Communication** **3 hours**

Fall on demand. This course seeks to provide a framework upon which individuals can build a culturally appropriate approach to crosscultural exchange. The course will provide students with skills for understanding people of other cultures through the examination of demographics of a targeted culture and population.

ESL 520 **English Linguistics** **1 or 3 hours**

Every semester on demand. Also **ESL 420**. This course is designed to familiarize students with emergent language, early linguistic development, and the fundamentals of linguistic theory, including the morphological, phonological, and syntactic structure of the English language as well as pragmatics, semantics, and issues in first and second language acquisition. Emphasis is placed on oral and written language development and the implications of this development on language, learning, curriculum, language structure and an awareness of patterns of communication among cultures.

ESL 523 **English Language Teaching Foundations and Methodologies** **3 hours**

Every Summer on demand. Through this course the historical, legal, theoretical, and sociological foundations of programs of instruction for non-English language background students are presented. The study of models, prototypes and methodologies for ESL instruction is included.

ESL 530 **Advanced Grammar for English Language Teaching** **3 hours**

Spring on demand. A descriptive grammar of English, this course is specifically designed to aid teacher's understanding of the nature of language and the processes of language use.

ESL 580/680 **Internship in ESL or TESL** **3 hours**

Every semester. The student is assigned to an approved, experienced teacher or coordinator of programs for ESL or TESL for four weeks. The internship is individualized and arrangements can be made based on student needs. Prerequisites: ESL 514, ESL 520, ESL 523.

ESL 610 **Advanced Language Teaching Methodologies and Assessment** **3 hours**

Fall on demand. A thorough examination of available methodologies, underlying philosophies, and assessment procedures. Included are lessons in teaching the four recognized skill areas (listening, speaking, reading, writing) within the content areas and the use of standard tests. Prerequisite: ESL 523.

ESL 611 **Language Teaching Curriculum and Materials Design** **3 hours**

Spring on demand. An integration of general school curriculum, materials, and the specific English language teaching goals and actual design and rendering of instructional materials. Prerequisite: ESL 523.

URBAN EDUCATION

URB 500 **3 hours** **Decoding the City: The Urban Educator's Classroom**

On demand. Historically, the city has been the center of learning for all major cultures, and has impacted the very nature and process by which learning occurs. As an introduction, this course is designed to familiarize the educator with an historical and global overview of the emerging urban world, and the unique role of the educator in responding to God's mandate to minister in the city. Prerequisite: Admittance to the M.A. program.

URB 501 **3 hours** **Unfolding the Logos of World Civilization**

On demand. This course explores the logos of world civilization as seen from historical, Biblical, cultural and strategic perspectives. As a foundational course for the M.A. in Urban Education, it is not only intended to convey information, but to precipitate transformation of the student's world view. Prerequisite: Admittance to the M.A. program.

URB 502 **3 hours** **Urban Social Change**

On demand. An exploration of the literature and contemporary case studies of the Christian urban educator as a change agent, holistic catalyst and mentor. Attention is given to the analysis of social transformation through the creation of committed communities. Prerequisites: Admittance to the M.A. program and Masters Seminar: Decoding the City, URB 500, URB 501.

URB 503 **3 hours** **Counseling and Development in a Multicultural Context**

On demand. This course is designed to familiarize the student with various schools of counseling thought. Focusing on both practice and theory and highlighting cross-cultural elements, this course will equip the educator with basic counseling, consulting and problem-solving skills. Prerequisites: Admittance to the M.A. program, URB 500, URB 501.

URB 504 **3 hours** **The Urban Educator's Worldview**

On demand. Designed to train the educator to analyze and articulate his or her own presuppositions, norms and values from a Judeo-Christian framework in order to provide an evaluative base of other worldview systems and educational proposals. Prerequisites: Admittance to the M.A. program, URB 502, URB 503.

URB 505 **3 hours** **The Nature of the Non-Western World**

On demand. This course will explore the ancient rituals, traditions, and modern ideas by which two-thirds of the world's people now live. The educator will become familiar with and equipped for interaction with the assumptions, belief systems and cultural ways that have yielded profoundly different societies in the non-western world. Prerequisites: Admittance to the M.A. program, URB 504.

URB 598 **Masters Seminars**

1 hour

On demand. The Masters Seminar provides a forum for scholarly exchange among students in the Urban Education Program. This exchange includes student presentations, guest lecturers, faculty presentations, or other mini-courses deemed necessary for the well-rounded and prepared Master's candidate. A minimum of three Masters Seminars are required for the Urban Education program. Prerequisites: EDU 303 or EDU 570 or senior (undergraduate) status with a 3.00 GPA, or Bachelor's degree.

College of Liberal Arts and Social Science

College Description

COLLEGE DESCRIPTION

Prescribed Liberal Arts
Foundation

Departments

Humanities and
Social Sciences

Mathematics

Physical Education
Recreation,
Martial Arts,
and Sport

The College of Liberal Arts and Social Sciences is the foundational college that leads students to effectively express their knowledge by acquiring skills in critical thinking, problem solving, and research. Students are presented with theoretical perspectives examining the workings of the human mind, our cultural diversity, and the integration of faith and discipline.

To pursue the mission of the College, the faculty have committed themselves to an experience of literacy for all students matriculating through courses within this College. Literacy implies that students have tools for academic and/or professional discourse. Thus, students should not be surprised to encounter writing and speaking experiences within various courses in the College. The acquisition of these tools will enable students to not only be articulate within their chosen discipline but to exchange thoughts and ideas with others.

As the College provides foundational information it does so in a service and discipline specific format. The service courses serve as a foundation to the theoretical and philosophical constructs that students will encounter in their academic professional colleges.

The importance of a theoretical framework cannot be undervalued for it is from these understandings that students are equipped to enter the dynamic discussions which occur within and between the disciplines.

The College of Liberal Arts and Social Sciences provides degree programs in the following areas:

English Literature	B.A.
English Teaching	B.A.
History	B.A.
International Studies	B.A.
Justice Studies	B.S.
Martial Arts	B.S.
Mathematics	B.S.
Mathematics (Engineering)	B.S.
Mathematics (Secondary Teaching)	B.S.
Physical Education (Teaching)	B.S.
Psychology	B.S.
Recreation	B.S.
Social Sciences	B.A.
Sociology	B.S.

In addition, the College of Liberal Arts and Social Sciences offers minors in the following areas:

Athletic Coaching	Physical Education
Behavioral Sciences	Political Science
English	Pre-Law
German	Psychology
History	Recreation
Humanities	Social Sciences
Justice Studies	Sociology
Martial Arts	Spanish
Mathematics	Writing
Philosophy	

PREScribed LIBERAL ARTS FOUNDATION FOR THE COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

I. Biblical Understanding: 9 hours

BIB 101 or BIB 113 Old Testament
Survey/History (3) and
BIB 102 or BIB 123 New Testament
Survey/History (3) and
Biblical Understanding Elective* (3)

OR

BIB 101 or BIB 113 or BIB 102 or BIB 123
Old/New Testament Survey/History (3) and
UNV 204 Faith and Living:

Issues for the 21st Century (3) and

Biblical Understanding Elective* (3)

* Biblical Understanding Electives chosen from:

BIB 433, HTH 373, MIN 315,
PHI 101, PHI 225, PSY333/HTH333

II. Communication: 6 - 9 hours

Pass the Writing Proficiency Examination and
ENG 101 Academic Writing (3) and
ENG 102 Research Writing (3) and
SPC 113 Fundamentals of Speech (3)

OR

ENG 103 Honors English (3) and
SPC 113 Fundamentals of Speech (3)

III. Fine Arts: 3 hours

One of the following: ARH 100, ARH 233,
ARH 234, MUS 252, MUS 371, MUS 372,
TRE 120, TRE 370, TRE 371

IV. Social Sciences and Humanities: 12 - 13 hours

Group I: Two-course sequence (6)

ENG 221, ENG 222; ENG 341, ENG 342;
HIS 101, HIS 102; HIS 103, HIS 104;
PHI 312, PHI 313

Group II: One of the following (3 - 4)

Language 102 or above, ECN 201, ECN 202,
HIS 373, HIS 413, HIS 317, HTH 463,
POS 323, SOC 423, SOC 313

Group III: (3)

PSY 101 or SOC 101

V. Science and Healthful Living: 6 hours

One Laboratory Science (4)
Physical Education (2)

VI. Mathematics: 3 hours

MAT 121 College Algebra or higher (3)

VII. Computer Applications: 1 hour

CAM 180 Microcomputer Applications (1)

Total P.L.A.F. requirements: 40 - 44 hours

Department of Humanities and Social Sciences

DEPARTMENT DESCRIPTION

The Department of Humanities and Social Sciences is comprised of the traditional disciplines of the liberal arts and the social sciences. These increase our understanding of human actions in the past and present and focus on the written and verbal analysis of texts as unique products of the diverse human community. The Department is committed to the concept that "all truth is God's truth" and seeks to integrate historic Christian truths into the various disciplines.

The Department serves two principle functions — the provision of a liberal arts education and specialized training for future careers including graduate studies.

English offers majors in English Literature and English Teaching and minors in English and Writing. English majors gain the knowledge and professional competence to succeed in effectively communicating in written and oral discourse. They also gain a wider knowledge in American literature, English Literature, linguistics, grammar, and the history of English.

Study of a foreign language increases the student's awareness and appreciation of other people and cultures as well as provides a means of communication. The study encourages students to pursue new areas of interest and provides the means to enhance many career fields.

History presents students with chronological and theoretical frameworks that enable students to properly context the human culture, social, political, and economic experience. The Department also equips its majors with the basic skills for historical research and reflection.

Justice Studies is an interdisciplinary problem-oriented field which embraces those aspects of social and behavioral sciences that are relevant to an understanding of law, justice, social control, and social change. Courses aid students in developing their own values and seeing how they apply to the field of justice studies.

The Prelaw minor helps students develop skills necessary for success in law school. Basic objectives include the development of comprehensive, articulate communication, critical understanding of human institutions and analytical skills.

Philosophy helps students to understand and put into systematic order the most fundamental human beliefs about reality, knowledge, and value.

Psychology offers a broad array of courses which increase our understanding of human actions in the past and present. Individualized instruction is encouraged through practica and internships, research and writing experience, and small group discussions.

Religion seeks to encourage students to think deeply and seriously, using both the Christian and scientific perspectives, about the consequences of social structures upon

human social behavior in its many diverse contexts worldwide.

DEGREE REQUIREMENTS — ENGLISH LITERATURE (B.A. DEGREE; Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences (See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

English Literature Major

ENG 200	Analysis of World Literature	3 hours
ENG 221	English Literature I	3 hours
ENG 222	English Literature II	3 hours
ENG 241	American Literature I	3 hours
ENG 242	American Literature II	3 hours
ENG 201	Intermediate Grammar (3) OR	
ENG 314	Advanced Grammar	3 hours
ENG 315	Historical and Sociological Aspects of English	3 hours
ENG 413	The Novel	3 hours
ENG 421	Shakespeare	3 hours
ENG 490B	Senior Seminar: Literature	3 hours
ENG —	Writing Electives +	6 hours
ENG —	English Electives	6 hours

Total Major Hours 42 hours

+ Two of the following courses must be taken:

ENG 301 (Advanced Composition), ENG 313 (Business and Technical Writing), ENG 401 (Seminar in Writing), ENG 411 (Creative Writing), or ENG 495 (Special Topics in English).

DEGREE REQUIREMENTS — * ENGLISH TEACHING (B.A. DEGREE; Minor Required)

P. L. A. F. for the College of Education, Secondary Teaching. (See page 94)

Minor Required

Department Description

Degree Requirements

Majors

English Literature

English Teaching

History

International Studies

Justice Studies

Psychology

Social Sciences

Sociology

Minors

Behavioral Sciences

English

German

History

Humanities

Justice Studies

Philosophy

Political Science

Pre-Law

Psychology

Social Sciences

Sociology

Spanish

Writing

Course Descriptions

Secondary Certification Required

English Teaching Major

ENG 200	World Literature	3 hours
ENG 221	English Literature I	3 hours
ENG 222	English Literature II	3 hours
ENG 241	American Literature I	3 hours
ENG 242	American Literature II	3 hours
ENG 301	Advanced Composition	3 hours
ENG 314	Advanced Grammar	3 hours
ENG 315	Historical and Sociological Aspects of English	3 hours
ENG 413	The Novel	3 hours
ENG 421	Shakespeare	3 hours
ENG 471	Adolescent Literature (3) OR	
ENG 473	Children's Literature (3)	3 hours
ENG 490A	Senior Seminar: English Teaching	3 hours
ENG —	Writing Electives	3 hours
ENG —	English (non-literature) Electives	6 hours

Total Major Hours 45 hours

* Please refer to the College of Education for secondary certification.

DEGREE REQUIREMENTS — HISTORY (B.A. DEGREE: Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

History Major

HIS 101	Western Civilization to 1815	3 hours
HIS 102	Western Civilization since 1815	3 hours
HIS 103	Early American History	3 hours
HIS 104	Recent American History	3 hours
HIS 246	Historiography and Historical Problems	3 hours
HIS 312	Foundations of Western Thought (3) OR	
HIS 321	Ancient and Medieval History (3)	3 hours
HIS 402	History Research	3 hours
HIS —	History Electives	
(12 hours must be Upper Division)		15 hours

Total Major Hours 36 hours

DEGREE REQUIREMENTS — INTERNATIONAL STUDIES (B.A. DEGREE: Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

General Studies Requirements

HIS 102	Western Civilization to 1815	3 hours
PSY 101	Introduction to Psychology	3 hours
SOC 101	Introduction to Sociology	3 hours
Foreign language of choice		
(You will need to pass 16 hours of coursework in a second language or demonstrate proficiency in listening, speaking, and reading by examination.)		

International Studies Major

ECN 201	Macroeconomics	3 hours
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GEO 121	World Geography	3 hours
PHI 225	Ethics	3 hours
PHI 463	World Religions	3 hours
POS 323	International Relations	3 hours
SOC 313	Cultural Anthropology	3 hours
SOC 498	Advanced Topics: Third World Issues	3 hours
† UNV 300	Study Abroad	6 hours
UNV 490	International Studies Seminar	3 hours

Six (6) hours in one of the following areas; choice of area is up to the student.

History

HIS 317	Studies in the Non-Western World (3)
HIS 373	Latin American History (3)
HIS 413	Russia and Eastern Europe (3)
HIS 416	American Diplomatic History (3)

Political Science

POS 416	American Diplomatic History (3)
POS 497	Internship (with an international emphasis) (1 - 4)
POS 498	Advanced Topics: Public Policy (3)

English

ENG 200	Analysis of World Literature (3)
ENG 315	History and Sociological Aspects of English (3)
ENG 497	Internship (with an international emphasis) (1 - 4)

International Business

‡ BUS 410	International Business (3)
ECN 202	Micronomics Principles (3)
‡ ECN 423	Comparative Economic Systems (3)

† An approved course of study at a recognized international college or university, an international program sponsored by the Coalition of Christian Colleges and Universities, or a Grand Canyon University international studies program. All students must register with the Grand Canyon University Center for International Education before beginning these six hours. minimum of six weeks must be spent living abroad.

‡ The College of Business will waive prerequisites for BUS 410 and ECN 423.

DEGREE REQUIREMENTS — JUSTICE STUDIES (B.S. DEGREE: No Minor Required)

Completion of ENG 101, ENG 102, and the passing of the Writing Proficiency Examination are required prior to beginning the Justice Studies major. Students must also have 32 semester hours of college work with a minimum GPA of 2.00.

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Note: Recommended Liberal Arts Foundation courses for the Justice Studies major include SPA 101; SPA 102; HIS 103 or HIS 104; MAT 121 or higher; CAM 180A; CAM 180B; CAM 180C; and BIO 100

No minor required.

Justice Studies Major

Lower Division Courses

* JUS 100	Introduction to the Justice System	3 hours
JUS 200	Issues in Justice Studies	3 hours
JUS 296	Social Research	3 hours
PSY 101	General Psychology	3 hours
SOC 101	Introduction to Sociology	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 292	Group Discussion	3 hours

Upper Division Courses

JUS 303	Theory of Criminal Justice	3 hours
JUS 306	The Police Function	3 hours

JUS 308	The Adjudication Function	3 hours
JUS 310	The Correctional Function	3 hours
JUS 440	Criminal Justice Administration	3 hours
JUS 461	Substantive Law	3 hours
S 462	Procedural Criminal Law	3 hours
497	Internship	4 hours
*PSY 350	Social Psychology	3 hours
PSY 466	Abnormal Psychology	3 hours
SOC 341	Social Problems	3 hours
SOC 423	American Minority Peoples	3 hours

Total Major Hours 58 hours

* These courses may receive credit from the Phoenix Regional Police Academy and ALETA.

DEGREE REQUIREMENTS — PSYCHOLOGY (B.S. DEGREE; Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Psychology Major

PSY 101	General Psychology	3 hours
PSY 253	Personality Development	3 hours
PSY 324	Learning and Cognition	3 hours
PSY 350	Social Psychology	3 hours
PSY 363	Intro. to Probability and Statistics	3 hours
PSY 414	History and Systems of Psychology	3 hours
PSY 450	Experimental Psychology	4 hours
PSY —	Upper Division Psychology Electives	6 hours

course from each of the following areas: 6 hours

Critical Psychology

PSY 315	Personality Psychology (3)	
PSY 443	Fundamentals of Counseling and Guidance (3)	
PSY 466	Abnormal Psychology (3)	
PSY 498	Advanced Topic: Psychology of Death and Dying (3)	

Developmental Psychology

PSY 341	Lifespan Psychology (3)	
PSY 353	Child Psychology (3)	
PSY 373	Adolescent Psychology (3)	

Total Major Hours 34 hours

DEGREE REQUIREMENTS — SOCIAL SCIENCES (B.A. DEGREE; Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Social Sciences Major

ECN 201	Principles of Economics - Macro (3) OR	
ECN 202	Principles of Economics - Micro (3)	3 hours
GEO —	Geography Elective	3 hours
HIS 101	Western Civilization to 1815	3 hours
S 102	Western Civilization since 1815	3 hours
S 103	Early American History	3 hours
HIS 104	Recent American History	3 hours
POS 252	Federal Government	2 hours

POS 262	Arizona Government	1 hour
PSY 101	General Psychology	3 hours
PSY 350	Social Psychology	3 hours
SOC 101	Introduction to Sociology	3 hours
SOC 341	Social Problems	3 hours
— —	Upper Division Electives chosen from: GEO, HIS, POS, PSY, SOC	6 hours
Total Major Hours		39 hours

DEGREE REQUIREMENTS — SOCIOLOGY (B.S. DEGREE; Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Sociology Major

Minor Required

Sociology Major

SOC 101	Introduction to Sociology	3 hours
SOC 296	Social Research	3 hours
SOC 313	Cultural Anthropology	3 hours
SOC 341	Social Problems	3 hours
SOC 363	Intro. to Probability and Statistics	3 hours
SOC 483	History of Social Thought	3 hours
SOC 497	Internship in Sociology	3 hours
*SOC —	Upper Division Sociology Electives	12 hours

Total Major Hours 33 hours

* Only three (3) hours of the six (6) hour sequence SOC 420/421 may count toward the major.

MINOR REQUIREMENTS — * BEHAVIORAL SCIENCES

SOC 101	Introduction to Sociology	3 hours
SOC 313	Cultural Anthropology (3) OR	
SOC 483	History of Social Thought (3)	3 hours
PHI 101	Introduction to Philosophy	3 hours
PSY 101	General Psychology	3 hours
— —	Upper Division Psychology OR Sociology Electives	6 hours

Total Minor Hours 18 hours

* Not recommended for prospective teachers in secondary education.

MINOR REQUIREMENTS — * ENGLISH

ENG 200	Analysis of World Literature	3 hours
ENG 214	Intermediate Grammar (3) OR	
ENG 314	Advanced Grammar (3)	3 hours
ENG 301	Advanced Composition	3 hours
*ENG 413	The Novel	3 hours
ENG 421	Shakespeare	3 hours

Electives chosen from:

ENG 221	English Literature I (3)	
ENG 222	English Literature II (3)	
ENG 241	American Literature I (3)	
ENG 242	American Literature II (3)	9 hours

Total Minor Hours 24 hours

* Students desiring teaching certification should refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — * GERMAN

GER 201	Intermediate German I	4 hours
GER 202	Intermediate German II	4 hours
GER 311	German Conversation	3 hours
GER 312	German Composition	3 hours
GER 363	Civilization of Germany	3 hours
GER 423	Survey of German Literature	3 hours

Total Minor Hours 20 hours

* Students desiring teaching certification should take 24 hours.
Please refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — HISTORY

HIS 101	Western Civilization to 1815	3 hours
HIS 102	Western Civilization Since 1815	3 hours
HIS 103	Early American History	3 hours
HIS 104	Recent American History	3 hours
HIS 246	Historiography and Historical Problems	3 hours
HIS 312	Foundations of Western Thought (3) OR	
HIS 321	Ancient and Medieval History (3)	3 hours
HIS —	Upper Division History Electives	3 hours

Total Minor Hours 21 hours

* Students desiring teaching certification should take 24 hours.
Please refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — HUMANITIES

From at least four of the following areas a student must complete 18 hours, 6 of them Upper Division.

Art
Language
Literature
Music
Philosophy
Speech
Theatre

MINOR REQUIREMENTS — JUSTICE STUDIES

JUS 100	Introduction to the Justice System	3 hours
JUS 200	Issues in Justice Studies	3 hours
JUS 296	Social Research	3 hours
JUS 303	Theory of Criminal Justice	3 hours
JUS 306	The Police Function	3 hours
JUS 308	The Adjudication Function	3 hours
JUS 310	The Correctional Function	3 hours
JUS 497	Internship in Justice Studies	4 hours

Total Minor Hours 25 hours

MINOR REQUIREMENTS — PHILOSOPHY

PHI 101	Introduction to Philosophy	3 hours
PHI 312	Foundations of Western Thought (3) OR	
PHI 313	Shapers of the Modern Mind (3)	3 hours
PHI 225	Introduction to Ethics (3) OR	
PHI 311	Business Ethics (3) OR	
PHI 329	Biomedical Ethics (3)	3 hours
PHI —	Philosophy Electives	9 hours

Total Minor Hours 18 hours

MINOR REQUIREMENTS — POLITICAL SCIENCE

POS 252	Federal Government	2 hours
POS 262	Arizona Government	1 hour
POS —	Political Science Electives (6 hours must be Upper Division)	12 hours
POS 497	Political Science Internship	3 hours

Total Minor Hours 18 hours

MINOR REQUIREMENTS — PRE-LAW

BUS 310	Business Law I (3) OR	
BUS 315	Business Law II (3)	3 hours
ECN 201	Principles of Economics - Macro	3 hours
ENG 301	Advanced Composition	3 hours
ENG 314	Advanced Grammar	3 hours
HIS 417	Constitutional History of the United States	3 hours
HIS 475	Christianity and the Legal Profession	3 hours
JUS 461	Substantive Law (3) OR	
JUS 462	Procedural Criminal Law (3)	3 hours
PHI 215	Introduction to Logic	3 hours
SPC 113	Fundamentals of Speech	3 hours

Total Minor Hours 24 hours

MINOR REQUIREMENTS — PSYCHOLOGY

PSY 101	General Psychology	3 hours
PSY 253	Personality Development	3 hours
PSY 350	Social Psychology	3 hours
PSY —	Upper Division Psychology Electives	9 hours

Total Minor Hours 18 hours

MINOR REQUIREMENTS — * SOCIAL SCIENCES

ECN 201	Principles of Economics - Macro (3) OR	
ECN 202	Principles of Economics - Micro (3)	3 hours
GEO —	Geography Elective	3 hours
HIS 101	Western Civilization to 1815 (3) and	
HIS 102	Western Civilization since 1815 (3) OR	
HIS 103	Early American History (3) and	
HIS 104	Recent American History (3)	6 hours
POS 252	Federal Government	2 hours
POS 262	Arizona Government	1 hour
PSY 101	General Psychology	3 hours
SOC 101	Introduction to Sociology	3 hours

Total Minor Hours 21 hours

* Three (3) hours must be Upper Division

MINOR REQUIREMENTS — SOCIOLOGY

SOC 101	Introduction to Sociology	3 hours
SOC 341	Social Problems	3 hours
* SOC —	Sociology Electives (6 hours must be Upper Division)	12 hours

Total Minor Hours 18 hours

* Only three (3) hours of the six (6) hour sequence
SOC 420/SOC 421 may count toward the minor.

MINOR REQUIREMENTS — * SPANISH

SPA 201	Intermediate Spanish I	4 hours
SPA 202	Intermediate Spanish II	4 hours
SPA 304	Spoken Spanish I	3 hours
SPA 305	Advanced Spoken Spanish	3 hours

SPA 312	Spanish Composition and Grammar	3 hours
SPA 342	Reading and Analysis of Literary Texts	3 hours
SPA 362	Advanced Spanish Composition and Grammar	3 hours
Total Minor Hours		23 hours

* Students desiring teaching certification should take 24 hours. Please refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — WRITING

ENG 201	Intermediate Grammar (3)	OR	
ENG 314	Advanced Grammar (3)		3 hours
ENG 301	Advanced Composition		3 hours
ENG 313	Business and Technical Writing		3 hours
ENG 315	Historical and Sociological Aspects of English		3 hours
ENG 411	Creative Writing		3 hours
ENG 490B	Senior Seminar: Literature		3 hours
JRN —	Journalism Electives		6 hours
Total Minor Hours			24 hours

ENGLISH

ENG 101 3 hours Academic Writing

Every semester and every Summer. A course in writing academic prose, including various types of essays and arguments. Prerequisite: Passing score on the Writing Proficiency Examination.

ENG 102 3 hours Research Writing

Every semester and every Summer. A course exploring various types of research writing, with a focus on constructing essays, arguments, and research reports based on primary and secondary sources. Prerequisite: ENG 101

ENG 103 3 hours Honors Composition

Every Fall. A course designed for students who have demonstrated good writing skills. Students will learn how to use a variety of research techniques and discourse styles to create proposals, arguments, and nonfiction articles. This course fulfills all freshman English requirements. Prerequisite: Placement from the Writing Proficiency Examination.

ENG 200 3 hours Analysis of World Literature

Every Spring. A study of the significant works and literary movements in World Literature. This course is an introduction to all advanced English course offerings. All students who plan to major or minor in English must earn a 3.00 or above in this course before taking any Upper Division English courses. Prerequisites: ENG 101 and ENG 102, or ENG 103.

ENG 201 3 hours Intermediate Grammar

Every Fall. A review of basic English syntax, form and mechanics. The course also introduces principles of grammar and linguistics. Prerequisites: ENG 101 and ENG 102, or ENG 103.

ENG 221 3 hours English Literature I

Every Fall. A survey of English Literature from the Old English Period through the Enlightenment. Prerequisites: ENG 101, ENG 102.

ENG 222 3 hours English Literature II

Every Spring. Continuation of ENG 221, covering the period from the Romantic period through the Modern Period. Prerequisites: ENG 101, ENG 102.

ENG 241 3 hours American Literature I

Every Fall. A study of outstanding authors, their works and the literary movements from the Colonial Age to Romanticism (1850). Prerequisite: ENG 101, ENG 102.

ENG 242 3 hours American Literature II

Every Spring. A study of Local Color, Realism and Naturalism, especially in prose and poetry from 1850 to World War I. Prerequisite: ENG 101, ENG 102.

ENG 301 3 hours Advanced Composition

Every Spring. A course for students who wish to develop their skills in academic and nonfiction writing. Prerequisites: Grade of "C" or above in ENG 101 and ENG 102, or ENG 103.

ENG 313 3 hours Business and Technical Writing

Every semester. A course designed to present the best practices in writing business communications and technical reports. Prerequisites: ENG 101, ENG 102.

ENG 314 3 hours Advanced Grammar

Every Spring. A study of the syntax and mechanics of English grammar from contemporary linguistic perspectives. Prerequisite: Mastery of ENG 201, Diagnostic Examination.

ENG 315 3 hours Historical and Sociological Aspects of English

Every Fall. An exploration of the historical development of English and its variations across social contexts. Prerequisite: ENG 214 or instructor's approval.

ENG 324 3 hours Studies in Poetry

Every Spring. This course is designed for students who are pursuing a major or minor in English or who wish to increase their understanding and appreciation of poetry. Prerequisites: ENG 101, ENG 102, ENG 200.

ENG 352 3 hours The Short Story

Every Fall. A study of the short story, its development, the different types and an analysis of technique. Prerequisite: Junior status.

ENG 362 3 hours Studies in Film

Every Spring. Introduction to the historic and artistic development of movies. A number of classic as well as modern films will be shown and discussed.

ENG 396 **English Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

ENG 399 **Practicum** **1 - 4 hours**

On demand. See page 30.

ENG 411 **Creative Writing** **3 hours**

Every Fall. A course for students who are particularly interested in writing fiction or poetry. May be repeated for a maximum of 6 hours. Prerequisite: ENG 101, ENG 102.

ENG 413 **The Novel** **3 hours**

Every Fall. A study in development of the novel which focuses on the reading and discussion of the 19th and 20th century British and American works. Prerequisite: Junior status.

ENG 421 **Shakespeare** **3 hours**

Every Spring. A study of the major Shakespearean comedies and tragedies and of Shakespeare's development as a dramatist. Prerequisite: ENG 221 or Junior status.

ENG 471 **Adolescent Literature** **3 hours**

Every Spring. Also **ENG 571** in the College of Education. A course for students who wish to read and examine the literature being written for adolescents. Novels from a variety of genres will be studied and issues arising from discussions with teens will be emphasized.

ENG 473 **Children's Literature and Storytelling** **3 hours**

Every Fall. Also **ENG 573** in the College of Education. All types of children's literature from outstanding authors are surveyed, through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of storytelling are also studied.

ENG 490A **Senior Seminar: English Teaching** **3 hours**

Every Fall. Methods of organizing and presenting content and evaluating student and teacher performance in the teaching of English in middle and high school. Prerequisites: ENG 301, ENG 314, ENG 315, or instructor's approval.

ENG 490B **Senior Seminar: Literature** **3 hours**

Every Spring. An exploration of English as a discipline. Students study the interpretation of literature, the methodology of writing, and career opportunities.

ENG 498 **Advanced Topics in English** **3 hours**

On demand. Topics of interest to language and literature specialists, not covered in depth in other courses, will be considered. Examples of topics might include: specific authors such as Milton or Chaucer; genre studies; studies in sociolinguistics; studies in discourse analysis. May be repeated for credit. Prerequisite: Instructor's approval.

ENG 499 **Independent Study** **1 - 4 hours**

On demand. See page 30.

GEOGRAPHY**GEO 111** **Physical Geography** **3 hours**

Every Fall. A geographic study of climate, topography, drainage, soils, and plant and animal life and their influence on man and on the development of civilization.

GEO 121 **World Geography** **3 hours**

Every Spring. A study of the physical environment and of the relationship of man to each of the major geographic areas of the world.

GEO 498 **Advanced Topics in Geography** **3 hours**

On demand. In depth study of selected topics such as geography of the Southwest, or a World Political Geography.

GEO 499 **Independent Study** **1 - 4 hours**

On demand. See page 30.

HISTORY**HIS 101** **Western Civilization to 1815** **3 hours**

Every semester. The Renaissance and Reformation are studied and related to the transition from medieval to early modern world. Attention is given to the rise of the centralized national state, to the rise and decline of absolutism, and to intellectual, political and industrial revolutions of Europe and their impact.

HIS 102 **Western Civilization Since 1815** **3 hours**

Every semester. A continuation of **HIS 101** but students need not have taken HIS 101 before taking HIS 102. A study of the swiftly changing tides of events that characterize the world of the 19th and 20th centuries.

HIS 103 **Early American History** **3 hours**

Every semester. A study of European expansion in America, the English colonies, colonial institutions, the American Revolution and Constitution, the launching of the new government, nationalism and sectionalism, westward expansion, slavery and the Civil War.

HIS 104 **Recent American History** **3 hours**

Every semester. Continuation of **HIS 103**. Deals with problems in the wake of the Civil War, postwar expansion, the Industrial Revolution in America, transition to a world power, and domestic and foreign issues of the 20th century.

HIS 246 **Historiography and Historical Problems** **3 hours**

Every Fall. An exploration of the historical discipline. Students will examine the meaning and interpretation of history and its methodology. Career opportunities will be examined. Required of all history majors. Prerequisites: HIS 101, HIS 102, HIS 103, and HIS 104.

HIS 303 **Baptist and American Church History** **3 hours**
 Spring, 1998, and alternate years. Also **HTH 303**. Continuation of **HIS 353**. Follows the progress of the Evangelical movement from Europe to the American colonies. The major emphasis is on the development of Baptists and Evangelical Christianity in the United States. Prerequisite: Three semester hours of History.

HIS 312 **Foundations of Western Thought** **3 hours**
 Spring, 1997, and alternate years. Also **PHI 312**. A survey of the development of Western Thought from ancient Greece through the Middle Ages, with particular emphasis on the contributions of Plato and Aristotle. Prerequisite: HIS 101, HIS 102.

HIS 317 **Studies in the Non-Western World** **3 hours**
 On demand. A study of the non-western world. Geographic areas studied will vary. Emphasis will be on culture, history and the contemporary situations. Prerequisite: Three semester hours History.

HIS 321 **Ancient and Medieval History** **3 hours**
 Fall, 1997, and alternate years. A survey of the Ancient and Medieval world. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered.

HIS 333 **The Renaissance and Reformation** **3 hours**
 Fall, 1998, and alternate years. A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic/Counter Reformations; rise of nationalism and capitalism. Prerequisite: HIS 101.

HIS 352 **History of England to 1714** **3 hours**
 Fall, 1996, and alternate years. A study of the origin and the development of the English people, with particular attention given to their political, social, economic, and cultural institutions and their interaction with continental Europe. Prerequisite: HIS 101 or instructor's approval.

HIS 353 **History of Christianity** **3 hours**
 Every Fall. Also **HTH 353**. A study of the significant movements within the church from New Testament times through the Reformation. Special emphasis is given to the ancient Christian Church, the Church Fathers, heresies, monasticism, the Papacy, and the practices and problems of the Church. Prerequisite: Three semester hours of History.

HIS 373 **Latin American History** **3 hours**
 On demand. A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, the wars of independence and Latin American republics from the era of independence to the present. Prerequisite: HIS 101, HIS 102.

HIS 396 **History Tutoring** **2 hours**
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

HIS 409 **Civil War and Reconstruction** **3 hours**
 Every semester. An examination of the causes, conduct and consequences, both political and military, of the American Civil War. Prerequisite: HIS 103 or instructor's approval.

HIS 413 **Russian History** **3 hours**
 Fall, 1997, and alternate years. A study of the Russian peoples and their rulers from the earliest times to the present. Prerequisites: HIS 101, HIS 102, HIS 246.

HIS 416 **American Diplomatic History** **3 hours**
 Spring, 1998, and alternate years. Also **POS 416**. 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: HIS 103, HIS 104, HIS 246.

HIS 417 **Constitutional History of the United States** **3 hours**
 Spring, 1997, and alternate years. Also **POS 417**. 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: HIS 103, HIS 104, HIS 246.

HIS 431 **American Military History** **3 hours**
 Every Fall. A survey of the development of the American military and militia system from its English origin through the Vietnam War. The principles of warfare and military leadership, the soldier's experience on the battlefield, and the place of the military within the American democracy are threads of continuity woven by the instructor through the course.

HIS 475 **Christianity and the Legal Profession** **3 hours**
 On demand. The capstone provides students the opportunity to interact with practicing Christian lawyers who will challenge them to discover just how they can integrate the teachings of Christ into a legal career. This course addresses current ethical issues within the legal profession from a distinctly Christian viewpoint. Prerequisite: Senior status.

HIS 490 **Historical Research** **3 hours**
 Every Fall. An exploration of historical research. Required of all history majors. Prerequisites: HIS 101, HIS 102, HIS 103, HIS 104, HIS 246; six hours of Upper Division history; and senior status.

HIS 493 **The West in American History** **3 hours**
 Spring, 1997, and alternate years. A study of the westward movement: the advancing frontier and western political, economic and social development from the colonial period to the 20th century. Prerequisites: HIS 103, HIS 104.

HIS 497 **Internship in History** **1 - 4 hours**
 Every semester. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Twenty (20) semester hours of history.

HIS 498A 3 hours**Advanced Topics: European History**

On demand. Topics of interest to historians, not covered in depth in other courses will be considered. Examples of topics might include: 20th century Europe, Modern Britain and problems in European history. May be repeated for credit. Prerequisite: Instructor's approval.

HIS 498B 3 hours**Advanced Topics: American History**

Summer, 1995, and alternate years. Topics of interest to historians, not covered in depth in other courses will be considered. Examples of topics might include: the Contemporary United States, Economic History, and History of the South. May be repeated for credit. Prerequisite: Instructor's approval.

HIS 499 1 - 4 hours**Independent Study**

On demand. See page 30.

JUSTICE STUDIES

JUS 100 3 hours**Introduction to the Justice System**

Every Fall. Overview of police, courts, and corrections, the three components that make up the criminal justice system.

JUS 200 3 hours**Issues in Justice Studies**

Every Spring. Issues, techniques, and trends of the criminal justice system. Prerequisite: JUS 100 or instructor's approval.

JUS 296 3 hours**Social Research**

Every Fall. Also **SOC 296**. Investigation of techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results. Prerequisite: SOC 101.

JUS 303 3 hours**Theory of Criminal Justice**

Spring, 1997, and alternate years. An examination of the criminal justice system with emphasis on the psychological, biological, and social causes of crime. Prerequisites: JUS 100, JUS 200 and JUS 296.

JUS 306 3 hours**The Police Function**

Fall, 1996, and Spring, 1998. Objectives, strategies, programs, roles, perspectives and the interagency relationships of the police. Prerequisites: JUS 100, JUS 200, JUS 296, JUS 303, or instructor's approval.

JUS 308 3 hours**The Adjudication Function**

Fall, 1997, and Spring 1998. In depth study of the objectives, processes, settings, roles, and perspectives of the courts, prosecution and defense. Prerequisites: JUS 100, JUS 200, JUS 296, and JUS 303, or instructor's approval.

JUS 310 3 hours**The Correctional Function**

Fall, 1996, and Spring, 1998. The workings of the court system as it relates to the offender. Prerequisites: JUS 100, JUS 200, JUS 296, JUS 303, or instructor's approval.

JUS 396 2 hours**Justice Studies Tutoring**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisite: Approval of the Department Chair and the Tutor Program Coordinator.

JUS 440 3 hours**Criminal Justice Administration**

On demand. Analysis of organization structures in police, courts, and corrections. Management and administrative policies of criminal justice agencies are examined. Prerequisites: JUS 100, JUS 200, and one Upper Division justice studies course or instructor's approval.

JUS 461 3 hours**Substantive Law**

Spring, 1997, and alternate years. Study of criminal liability with an emphasis on crimes against persons, property, and society. Prerequisites: JUS 100, JUS 200, JUS 296, JUS 303.

JUS 462 3 hours**Procedural Criminal Law**

Fall, 1996, and Spring, 1997. Study of the criminal process as it relates to the constitution. Prerequisites: JUS 100, JUS 200, JUS 296, JUS 303.

JUS 490 3 hours**Senior Seminar: Justice Studies**

On demand. The integration of justice studies learning, focusing on its relevance to graduate schools and related careers in justice studies. Prerequisites: Senior status, and justice studies major.

JUS 497 4 hours**Internship in Justice Studies**

Every semester and every Summer. Placement of students in criminal justice or related agency to further the student's integration of theory with practice. Prerequisites: JUS 100, JUS 200 and 6 hours of upper division justice studies courses.

JUS 498 3 hours**Advanced Topics: Justice Studies**

On demand. In-depth study of chosen topics. Prerequisites: JUS 101, JUS 200, and one upper division justice studies course, or instructor's approval. May be repeated for credit.

JUS 499 1 - 4 hours**Independent Study**

On demand. See page 30.

MODERN LANGUAGES

Chinese

CHI 101 Elementary Chinese I	4 hours
On demand. A class stressing conversation; uses a text, practice tapes, and cultural information to develop basic understanding, speaking, reading and some writing skills.	
CHI 102 Elementary Chinese II	4 hours
On demand. Continuation of CHI 101 . Prerequisite: CHI 101 or equivalent.	
CHI 201 Intermediate Chinese I	4 hours
On demand. Increased emphasis on reading, practice to increase conversational fluency. Prerequisite: CHI 102 or equivalent.	
CHI 202 Intermediate Chinese II	4 hours
On demand. Continuation of CHI 201 . Prerequisite: CHI 201 or equivalent.	
CHI 499 Independent Study	1 - 4 hours
On demand. See page 30.	

French

FRE 101 Elementary French I	4 hours
Every Fall. A study stressing conversation and the fundamentals of grammar and pronunciation, and simple composition, together with graded reading.	
FRE 102 Elementary French II	4 hours
Every Spring. Continuation of FRE 101 . Prerequisite: FRE 101 or equivalent.	
FRE 201 Intermediate French I	4 hours
Every Fall. Review, composition, and extensive speaking and reading. Prerequisite: FRE 102.	
FRE 202 Intermediate French II	4 hours
Every Spring. Continuation of FRE 201 . Prerequisite: FRE 201.	
FRE 499 Independent Study	1 - 4 hours
On demand. See page 30.	

German

GER 101 Elementary German I	4 hours
Every Fall. A program of study using a text-workbook, practice tapes, classroom experience to develop the fundamentals of understanding, speaking, reading and writing.	

GER 102 Elementary German II	4 hours
Every Spring. Continuation of GER 101 . Prerequisite: GER 101 or equivalent.	
GER 201 Intermediate German I	4 hours
Every Fall. Reading of appropriate German texts, study-review of grammar and practice in conversation to increase fluency in the basic skills. Prerequisite: GER 102.	
GER 202 Intermediate German II	4 hours
Every Spring. Continuation of GER 201 . Prerequisite: GER 201 or instructor's approval.	
GER 311 German Conversation	3 hours
Every Fall. Contemporary topics and cultural comparisons are the basis of the conversation class. The class strengthens the student's command of spoken German. Prerequisite: Instructor's approval.	
GER 312 German Composition	3 hours
Spring, 1996, and alternate years. A course designed to give the student practice in writing in German about current issues and selected topics.	
Ger 356 Heidelberg, Germany Tour	3 hours
On demand. An opportunity to combine intensive communicative courses in the German language and culture in a centuries-old setting. Prerequisite: Instructor's approval.	
GER 363 Civilization of Germany	3 hours
Fall, 1995, and alternate years. Introduction to German Civilization through historic, social, political and economic aspects from the beginning to the present time.	
GER 396 German Tutoring	2 hours
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.	
GER 423 Survey of German Literature	3 hours
Spring, 1995, and alternate years. Designed to expose the student to a wide range of German literary periods and styles, and to advance the student's reading competence. Prerequisite: GER 312 or Instructor's approval.	
GER 480 Foreign Language Methods	3 hours
Alternate Summers on demand. Analysis and description of second language learning specific to the targeted language; evaluation procedures; methods and trends of teaching a modern foreign language. Prerequisite: GER 312.	
GER 497 German Internship	1 - 4 hours
Every semester. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.	

GER 499 1 - 4 hours
Independent Study
 On demand. See page 30.

Russian

Interested students may consult with the Center for International Education regarding the possibility of a major in Russian through a cooperative agreement with a university in Kazakhstan.

RUS 101 4 hours
Elementary Russian I

On demand. A study stressing conversation but including reading, writing, and grammar. The course may be offered in the Commonwealth of Independent States.

RUS 102 4 hours
Elementary Russian II

On demand. Continuation of **RUS 101**. Prerequisite: **RUS 101**.

RUS 201 4 hours
Intermediate Russian I

On demand. Increased emphasis on reading, practice to increase conversational fluency. Prerequisite: **RUS 102** or equivalent.

RUS 202 4 hours
Intermediate Russian II

On demand. Continuation of **RUS 201**. Prerequisite: **RUS 201** or equivalent.

RUS 499 1 - 4 hours
Independent Study
 On demand. See page 30.

Spanish

SPA 101 4 hours
Elementary Spanish I

Every Fall. A study stressing conversation and the fundamentals of grammar and pronunciation using the TPR method together with cultural and historical information and readings.

SPA 102 4 hours
Elementary Spanish II

Every Spring. Continuation of **SPA 101**. Prerequisite: **SPA 101** or equivalent.

SPA 201 4 hours
Intermediate Spanish I

Every Fall. Grammar review covering all tenses and stressing the subjunctive as well as usage and idiomatic expressions. Prerequisite: **SPA 102**.

SPA 202 4 hours
Intermediate Spanish II

Every Spring. Continuation of **SPA 201** stressing conversation, culture, Hispanic civilization and readings. Prerequisite: **SPA 201**.

SPA 304 3 hours
Spoken Spanish I

Every Fall. This course will provide students who have already been prepared with three or more semesters of Spanish language to develop oral fluency in Spanish. Further, the course will introduce students to attitudes, values, and cultural patterns prevalent in the Spanish-speaking world. Prerequisite: **SPA 202**.

SPA 305 3 hours
Advanced Spoken Spanish

Every Spring. A course designed to increase communication skills; comprehension and improve vocabulary and awareness of grammatical structure. Prerequisite: **SPA 304**.

SPA 312 3 hours
Spanish Composition and Grammar

Every Spring. Designed to give the student practice in writing in Spanish. Prerequisite: **SPA 311**.

SPA 342 3 hours
Reading and Analysis of Literary Texts

Every Fall. Introduction to literary concepts, terminology, and theory with application to poetic, dramatics, and prose texts. Will include some study of Hispanic culture. Prerequisite: **SPA 312**.

SPA 362 3 hours
Advanced Spanish Composition and Grammar

Every Spring. A course designed to provide an extensive review of Spanish language. The development of self-correction skills will be encouraged through the study of model texts by Spanish authors. Prerequisite: **SPA 312**.

SPA 363 3 hours
Civilization of Spain

Spring, 1997, and alternate years. A chronological study of colonization and civilization of the peninsula. Prerequisite: **SPA 312**.

SPA 373 3 hours
Hispanic Civilization

Spring, 1998, and alternate years. A study of the colonizing practices of Spain in the New World and their relevance to modern problems. Prerequisite: **SPA 312**.

SPA 396 2 hours
Spanish Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

SPA 433 3 hours
Survey of Literature

Fall, 1997. A survey of Spanish and Hispanic literature. Prerequisite: **SPA 312**.

SPA 480 3 hours
Foreign Language Methods

On demand. Analysis and description of second language learning specific to the targeted language; evaluation procedures; methods and trends of teaching a modern foreign language. Prerequisite: **SPA 312**.

SPA 497 1 - 4 hours
Spanish Internship

Every semester. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's Approval.

SPA 498 3 hours
Advanced Topics: Spanish

On demand. In-depth study of chosen topics. Prerequisite: Instructor's approval.

SPA 499 1 - 4 hours
Independent Study

On demand. See page 30.

PHILOSOPHY

PHI 101 Introduction to Philosophy 3 hours

Every Fall. An introduction to the discipline of philosophy through a study of representative philosophic problems. Topics to be considered include: What can be known with certainty? What makes actions right? Are our choices free? Can God's existence be proved?

PHI 215 Introduction to Logic 3 hours

Every Spring. A study of the principles of correct reasoning with emphasis on distinguishing between good and bad arguments of various types.

PHI 225 Introduction to Ethics 3 hours

Every Spring. An introductory study of some of the central concepts, procedures and issues in the field of ethics, focusing on the nature of ethical thinking and how it applies to particular judgments about actions, character, and values. Topics to be considered include ethical relativism, morality and self interest, the basis of moral obligation, moral virtues and vices and the relevance of religious beliefs to morality.

PHI 311 Business Ethics 3 hours

Every semester. A study of the application of moral concepts and principles to business practice. Topics include product quality and safety, truth in advertising, employee rights and responsibilities, organizational life and the capitalist system.

PHI 312 Foundations of Western Thought 3 hours

Spring, 1997, and alternate years. Also **HIS 312**. A survey of the development of Western Thought from ancient Greece through the Middle Ages, with particular emphasis on the contributions of Plato and Aristotle. Prerequisite: PHI 101 or instructor's approval.

PHI 313 Shapers of the Modern Mind 3 hours

Fall, 1996, and alternate years. A study of thinkers from the Renaissance to contemporary times who have helped to form our understanding of ourselves and the world we live in. Focus will be on major philosophic systems of the modern period. Prerequisite: PHI 101 or instructor's approval.

PHI 318 Faith and Reason 3 hours

On demand. An examination of the reasonableness of religious beliefs, especially beliefs which are central to the Christian Faith. Topics include arguments for the existence of God, religious experience, the problem of evil, miracles, religious language and life after death. Prerequisite: PHI 101.

PHI 329 Biomedical Ethics 3 hours

Every Fall. A study of the application of moral concepts and principles to issues arising in the health care professions. Topics include role conflicts, paternalism, truth telling, informed consent, human experimentation, abortion, euthanasia and the allocation of scarce resources.

PHI 463 World Religions 3 hours

On demand. Also **HTH 463**. A study of the major religions of the world, both ancient and contemporary, with emphasis upon primitive religion, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam and Judaism.

PHI 499 Independent Study 1 - 4 hours

On demand. See page 30.

POLITICAL SCIENCE

POS 252 Federal Government 2 hours

Every Fall and every Summer. A survey of American Government; meets the teacher certification requirement for American Government.

POS 262 Arizona Government 1 hour

Every Fall and every Summer. A survey of Arizona History and Government; meets the teacher certification requirement for Arizona Government.

POS 323 International Relations 3 hours

Summer, 1997, and alternate Summers. Also **BUS 323**. A study of the history of international politics, contemporary world power structure and international law and organization. Prerequisites: Six hours of history or political science.

POS 333 Political Thought 3 hours

Fall, 1996, and alternate years. A study of the evolution of European and American political doctrines, with special attention given to the men and the forces producing them. Includes a study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 20th century. Prerequisites: Six hours of history and three hours political science.

POS 396 Political Science Tutoring 2 hours

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

POS 416 American Diplomatic History 3 hours

Spring, 1998, and alternate years. Also **HIS 416**. 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. Prerequisites: Six hours of history or political science.

POS 417 Constitutional History of the United States 3 hours

Fall, 1997, and alternate years. Also **HIS 417**. 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. Prerequisites: 6 hours of history or political science.

POS 497 **3 hours**
Internship

Every semester. The student is placed with an agency or organization in the community to gain practical insights and to complement their classroom learning. Prerequisite: Fifteen hours Political Science.

POS 498 **3 hours**
Advanced Topics: Political Science

On demand. In depth study of an area such as political parties, public policy. May be repeated for credit. Prerequisite: Instructor's approval.

POS 499 **1 - 4 hours**
Independent Study

On demand. See page 30.

PSYCHOLOGY**PSY 101** **3 hours**
General Psychology

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

PSY 253 **3 hours**
Personality Development

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

PSY 315 **3 hours**
Personality Psychology

Spring, 1997, and alternate years. A study of the nature and causal determinants of human behavior, including the definition and scientific measurement of personality. Theories studied will include the psychodynamic, neo-Freudian, trait and factor, cognitive and behavioral theories. The Christian perspective on the nature of human personality will also be explored. Prerequisite: PSY 101.

PSY 324 **3 hours**
Learning and Cognition

Every Fall. The study of theoretical and empirical problems of human learning and cognitive behavior. The nature of learning processes, transfer, memory, information processing, concept attainment and problem solving will be explored. Prerequisite: PSY 101.

PSY 333 **3 hours**
Psychology of Religion

Spring, 1996, and alternate years. Also **HTH 333**. Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship and principles of leadership.

PSY 341 **3 hours**
Lifespan Development

Every semester and every Summer. A course in developmental psychology with an emphasis on the physical, social, cognitive, personality and moral developments within an individual. The course is designed to provide an understanding of the transitions of life from conception to death. May not be taken with prior credit in Child Psychology (PSY 353). Prerequisite: PSY 101.

PSY 350 **3 hours**
Social Psychology

Every Spring. Also **SOC 350**. 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 101 or SOC 101.

PSY 353 **3 hours**
Child Psychology

Every semester and every Summer. 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. May not be taken with prior credit in Lifespan Development (PSY 341). Prerequisite: PSY 101.

PSY 363 **3 hours**
Introduction to Probability and Statistics

Every semester. Also **SOC 363**. A study of elementary theories of probability, distribution and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: MAT 120 or equivalent.

PSY 373 **3 hours**
Adolescent Psychology

Every semester. An examination of the meaning and significance of adolescence; physical, mental, moral and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescents; and the guidance and control of adolescent behavior. Prerequisite: PSY 101.

PSY 396 **2 hours**
Psychology Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisite: Approval of the Department Chair and the Tutor Program Coordinator.

PSY 414 **3 hours**
History and Systems of Psychology

Every Spring. A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Prerequisites: PSY 101 and nine hours of Upper Division Psychology.

PSY 420/421 **6 hours**
Principles of Residential Treatment of Adolescents I & II

On demand. Also **SOC 420/421**. A specialized course dealing with the need for, the types of clients served in and methods of treatment of adolescents in residential settings. An experiential component of 45-60 hours per semester is an integral part of the course and is conducted at the Arizona Baptist Children's Services facility adjacent to the University. Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hours) may be applied to any one major or minor. No previous or subsequent Internship (SOC 497/PSY 497/JUS 497) can be in a residential treatment of adolescents' setting. (State law requires anyone working with juveniles to be fingerprinted by the appropriate state office and pay the cost of that process—approximately \$20. Details will be provided at the first class meeting.) Prerequisites: PSY 443, SOC 341 or one Justice Studies course.

PSY 430 3 hours**Industrial Psychology**

Spring, 1997, and alternate years. The application of social and organizational psychological methods and principles to business and industry. Topics to be covered include human behavior at work, personnel selection and evaluation, motivation and job satisfaction, management philosophies, employee-management relationships, job evaluation, work and equipment design, working conditions, accident and human errors, and consumer psychology. Prerequisite: PSY 101.

PSY 443 3 hours**Fundamentals of Counseling and Guidance**

Every Spring. 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 101.

PSY 450 4 hours**Experimental Psychology**

Every Spring. 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. Prerequisites: PSY 101, PSY 363.

PSY 466 3 hours**Abnormal Psychology**

Every Fall. 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 101.

PSY 490 3 hours**or Seminar: Psychology**

On demand. The integration of psychological learning, focusing on its relevance to graduate schools and related careers in psychology. Prerequisites: Senior status, and psychology major.

PSY 497 1 - 4 hours**Internship in Psychology**

Every semester. The student is placed with an agency or organization in the community to gain practical insights and experience to complement their classroom learning. Every effort is made to place the student in a setting corresponding to their interests or career goals. May be repeated for credit. Prerequisite: Instructor's approval, and 12 hours of psychology.

PSY 498 3 hours**Advanced Topics in Psychology**

Summer, on demand. Topics of interest to psychologists but not covered in depth in other courses will be considered. Examples of topics include: motivation and emotion, psychology of death and dying, psychology of humor, psychological testing, sensation, and perception.

PSY 499 1 - 4 hours**Independent Study**

On demand. See page 30.

SOCIOLOGY

SOC 101 3 hours**Introduction to Sociology**

Every semester. A general overview of the concepts, theories, and methods used by sociologists to describe and explain the effects of social structure on human behavior. Course stresses development of the sociological perspective on everyday life and includes computer-assisted data analysis.

SOC 285 3 hours**Human Sexuality**

Every Fall, and every Summer. This course focuses specifically upon the areas of sexual development in early years, physical unity in marriage, having, children, social issues and typical problems relating to sexual behavior. In addition, this course is designed to prepare you for a mature development for sexuality in marriage from a distinctively Christian point of view.

SOC 296 3 hours**Social Research**

Every Fall. Also **JUS 296**. Investigation of an involvement in techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results. Prerequisite: SOC 101.

SOC 313 3 hours**Cultural Anthropology**

Every Spring. 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. Prerequisite: SOC 101.

SOC 333 3 hours**Marriage and the Family**

Every Fall. Emphasizing the history and present state of the American family, this course explores the immense variation in marriage and family living throughout the world. Current issues relating to the family, including abortion, family violence, divorce and the sexual revolution, are discussed from different viewpoints.

SOC 341 3 hours**Social Problems**

Every Spring. A survey of the various issues and problems faced by contemporary American society including crime, drug abuse, sexual variance, poverty, over-population and family relations. Emphasis is placed upon how these problems arise from and are perpetuated by modern social structure. Prerequisite: SOC 101.

SOC 350 3 hours**Social Psychology**

Every Spring. Also **PSY 350**. 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 101 or SOC 101.

SOC 353 3 hours
Urban Sociology

Fall, 1995, and alternate years. An analysis of the evolution of the city emphasizing the similarities and differences between cities of the past and cities today. An overview of major urban theorists is used to examine the experience of living in cities today, especially our definition and response to urban problems.

SOC 363 3 hours
Introduction to Probability and Statistics

Every semester. Also **PSY 363**. A study of elementary theories of probability, distribution and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: MAT 120 or equivalent.

SOC 383 3 hours
Drug Abuse Seminar

Every semester. Also **BIO 383** and **HLT 383**. Information presented concerns the problems of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychology, legal, social and cultural implications; and principles of program planning. Prerequisite: SOC 341 or instructor's approval.

SOC 385 3 hours
Human Sexuality

Every Fall, and every Summer. This course focuses specifically upon the areas of sexual development in early years, physical unity in marriage, having, children, social issues and typical problems relating to sexual behavior. In addition, this course is designed to prepare you for a mature development for sexuality in marriage from a distinctively Christian point of view.

SOC 396 2 hours
Sociology Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

SOC 420/421 6 hours
Principles of Residential Treatment of Adolescents I & II

On demand. Also **PSY 420/421**. A specialized course dealing with the need for, the types of clients served in and methods of treatment of adolescents in residential settings. An experiential component of 45-60 hours per semester is an integral part of the course and is conducted at the Arizona Baptist Children's Services facility adjacent to the University. Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hours) may be applied to any one major or minor. No previous or subsequent Internship (SOC 497/PSY 497/JUS 495) can be in a residential treatment of adolescents' setting. (*State law requires anyone working with juveniles to be fingerprinted by the appropriate state office and pay the cost of that process, approximately \$20. Details will be provided at the first class meeting.*) Prerequisites: PSY 443, SOC 341 or one Justice Studies course.

SOC 423 3 hours
American Minority Peoples

Fall, 1996, and alternate years. A study of the various minority groups in the United States and their sociological significance in our national group and culture. The history and present status of American immigration policy are also considered.

SOC 431 3 hours
Social Work

Every Spring. An overview of the training, tasks, and opportunities in the profession of social work. The student will be introduced to the skills, knowledge base and functional role of the social worker. Exposure to various settings of social work practice will be provided. Prerequisite: SOC 101.

SOC 483 3 hours
History of Social Thought

Every Spring. A study of social thought from ancient to modern times with equal emphasis on pre-20th century and 20th century thought. Emphasis is placed upon how current social theories have been influenced by, but are different from, pre-modern thought.

SOC 490 3 hours
Senior Seminar

On demand. The integration of sociological learning, focusing on its relevance to graduate schools and related careers in sociology. Required of all Sociology majors. Prerequisites: Senior status, and sociology major.

SOC 497 1 - 4 hours
Internship in Sociology

Every semester. The student is placed with an agency or organization in the community to gain practical insights and experience to complement their classroom learning. Every effort is made to place the student in a setting corresponding to their interests or career goals. May be repeated for credit. Prerequisite: Instructor's approval.

SOC 498 3 hours
Advanced Topics in Sociology

On demand. Topics of interest to sociologists but not covered in depth in other courses will be considered. The content (topic) will change each time the course is offered so it may be repeated for credit. Examples of topics might include: Women in America, Suicide, Third World Issues, Social Movements, Collective Behavior, Social Stratification, Sociology of Religion, Sociobiology, Sociology of Health and Illness, Sociology of Mental Illness, Juvenile Delinquency, or aging. Prerequisites: SOC 101 or instructor's approval.

SOC 499 1 - 4 hours
Independent Study

On demand. See page 30.

Department of Mathematics

DEPARTMENT DESCRIPTION

The breadth and applicability of the mathematical sciences fit well with the purposes of a Christian liberal arts university: to liberate, to empower, and to prepare people for servant-leadership. Study in mathematics can help liberate people from mental imprecision and from being intimidated or fooled by technical arguments; it can empower people with tools for solving problems, and enlighten people with sudden but hard-won insights into structure; it engages the student in playful yet disciplined creativity; it calls students to wonder at the beauty of abstract ideas and the mystery of their applicability in other fields. Mathematics demands courage and calm action in the face of complexity, and honesty and humility in encounters with error, contradiction, and the limits of knowledge. As "queen and servant," mathematics gives leadership and service to other human endeavors, roles which fit well with the Christian purposes of Grand Canyon University. Thus the Department of Mathematics seeks to uphold the view that the vigorous communication, creation, and application of mathematical ideas can be a noble Christian calling. Since every degree program at Grand Canyon University has a mathematics requirement, the mission of the Mathematics Department faculty is to focus on the needs of students from all disciplines who have diverse interests and backgrounds. The faculty strive to prepare the students, whether they are majoring in Mathematics or some other area, by equipping them with a mathematical network that serves as a foundation to further work in graduate studies or careers in teaching, industry, or business.

Mathematics is a broad, applicable, and playful subject. In recent times, especially since the advent of the digital computer, mathematics has expanded into a collection of mathematical sciences which include pure and applied mathematics, computation, and computer science, statistics, operations research and other areas. Themes of structure, randomness and chaos, techniques of computation, analysis and visualization, and modes of thought involving proof, counter-example, intuition and creation of unifying concepts are hallmarks of mathematics. Mathematical ideas have found application not only in the physical sciences but increasingly in the life, social and management sciences, and even in the arts and humanities. The pace of discovery and invention in mathematics remains high. Mathematics is indeed the "queen and servant of the sciences."

The Department of Mathematics offers major in mathematics, mathematics for secondary teaching, and mathematics for engineers.

Students who have completed advanced or accelerated courses in mathematics in high school may apply for advanced placement with regard to certain mathematics courses. An individualized program may be tailored for students who plan to continue their study elsewhere in an engineering program, who also desire a strong foundation in mathematics and the advantages of a Christian liberal arts setting.

Students have the opportunity to enhance their contact with faculty, and other math students and the national

mathematical communities through the Grand Canyon student chapter of the Mathematical Association of America.

The facilities for mathematics include a Computer Center and the Dynamical Systems Lab where students use computers to study fractals, chaos, and iterations. The Computer Center houses a VAX 6000-410 computer and terminals, a large network of IBM-compatible PCs and other micro-computers.

DEGREE REQUIREMENTS — MATHEMATICS (B.S. DEGREE; Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Mathematics Major

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 300	Intro. to Mathematical Thought	3 hours
MAT 342	Linear Algebra	3 hours
MAT 363	Probability and Statistics	3 hours
MAT 371	Advanced Calculus I	3 hours
MAT 372	Advanced Calculus II	3 hours
MAT 373	Differential Equations	3 hours
MAT 443	Abstract Algebra	3 hours

Department Description

Degree Requirements

Majors

Mathematics

Mathematics for
Engineers

Mathematics for
Secondary Teachers

Minors

Mathematics

Course Descriptions

MAT 498A	(3) OR	
MAT 498B	(3)	3 hours
MAT —	Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483)	6 hours
CSC 105	Intro. to Programming Languages	3 hours
CSC 205	High Level Programming	3 hours
*PHY 115	University Physics I	4 hours
*PHY 116	University Physics II	4 hours
Total Major Hours		56 hours

* An alternate application sequence may be planned with department consultation and written approval.

DEGREE REQUIREMENTS —

* MATHEMATICS FOR ENGINEERS

(3:2 PROGRAM: B.S. DEGREE; Minor Required)

P. L. A. E. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Mathematics for Engineers Major

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 300	Intro. to Mathematical Thought	3 hours
MAT 342	Linear Algebra	3 hours
MAT 373	Differential Equations	3 hours
MAT —	Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483)	12 hours
EGN 100	Intro. to Engineering	4 hours
EGN 211	Statics	3 hours
EGN 312	Dynamics	3 hours
PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM —	Upper Division Chemistry OR	
PHY —	Upper Division Physics	8 hours
Choose two courses such as: CHM 361, CHM 441, CHM 442, PHY 361, PHY 496		
Total Major Hours		67 hours

* Concurrent graduation from an accredited Engineering program. The student should consult with the Grand Canyon University engineering advisor and the requirements of the particular engineering program they plan to enter in order to select the most appropriate upper division math electives.

DEGREE REQUIREMENTS —

* MATHEMATICS FOR SECONDARY TEACHERS

(B.S. DEGREE; Minor Required)

P. L. A. E. for College of Education Secondary Teacher Education Program (See page 94)

Minor Required

Secondary Certification Required

Mathematics for Secondary Teachers Major

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours

MAT 300	Intro. to Mathematical Thought	3 hours
MAT 310	College Geometry	3 hours
MAT 342	Linear Algebra	3 hours
MAT 363	Probability and Statistics	3 hours
MAT 371	Advanced Calculus I	3 hours
MAT 373	Differential Equations	3 hours
MAT 443	Abstract Algebra	3 hours
MAT 483	Mathematics in the Secondary School	3 hours
CSC 105	Intro. to Programming Languages	3 hours
+PHY 115	University Physics I	4 hours
+PHY 116	University Physics II	4 hours
Total Major Hours		47 hours

* Please refer to the College of Education for secondary certification and minor requirements.

+ An alternate application sequence may be planned with department consultation and written approval.

MINOR REQUIREMENTS — * MATHEMATICS

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 342	Linear Algebra	3 hours
MAT —	Mathematics Electives (at least three hours Upper Division excluding MAT 396 and MAT 483) +	6 hours
Total Minor Hours		21 hours

* Students desiring teaching certification should take 24 hours for a minor. Please refer to the College of Education for certification requirements.

+ Those having a major in the College of Education may use MAT 483.

COMPUTER SCIENCE

CSC 105 3 hours

Introduction to Programming Languages

Fall, 1997, and alternate years. An introduction to higher level programming languages. Topics include: structured programming techniques, algorithm design, problem solving, program coding, and program verification.

CSC 205 3 hours

High Level Programming

Spring, 1996, and alternate years. A continuation of the concepts introduced in **CSC 105** to include an in-depth study of a higher-level programming language. Topics include the use of dynamic variables and the pointers required to manipulate them. Prerequisite: CSC 105.

MATHEMATICS

MAT 100 3 hours

Mathematical Concepts

Every Fall. A review of basic mathematical concepts. Topics include problem-solving, arithmetic processes and basic algebraic concepts. This course does not satisfy the University general studies requirement for math.

MAT 120 **3 hours**
Intermediate Algebra

Every semester. Topics from basic algebra: linear equations, polynomials, quadratic equations, systems of equations, and introductory conic sections. Prerequisite: Placement counseling or one year of high school algebra. This course satisfies the University general studies requirement for math; some colleges and majors specify MAT 121 to satisfy the requirement.

MAT 121 **3 hours**
College Algebra

Every semester. A precalculus course on topics and algebraic properties of elementary functions. Prerequisites: Placement counseling and MAT 120 or high school equivalent. This course satisfies the College of Liberal Arts and Sciences general studies requirement for math.

MAT 122 **2 hours**
College Trigonometry

Every semester. A study of the trigonometric functions and their properties, as related to the unit circle and the right triangle. The course is designed to help students prepare for calculus and physics. Additional topics will be graphing, proving trigonometric identities, inverse trigonometric functions, polar coordinates and vectors. Prerequisite: MAT 121 or high school equivalent.

MAT 130 **3 hours**
Contemporary Mathematics

Every semester. An integrated course emphasizing mathematical modeling and problem solving. Topics include: systems of numeration, the real number system, algebraic models, number theory, geometry, and trigonometry. Prerequisite: MAT 120 or high school equivalent.

MAT 131 **3 hours**
Contemporary Mathematics II

Every semester. A continuation and extension of the mathematical concepts presented in MAT 130 with continued emphasis on problem solving. Topics from logic and geometry, elementary probability and statistics, math of finance and number theory.

MAT 213 **3 hours**
Statistics

Every Spring. An introductory course in statistics for non-math majors, with emphasis on the concepts and tools for collecting, analyzing, and drawing conclusions from data. Prerequisite: MAT 120.

MAT 213 **3 hours**
Introductory Statistics

Every Spring. An introductory course in statistics with emphasis on the concepts and tools for collecting, analyzing, and drawing conclusions from data.

MAT 270 **4 hours**
Analytical Geometry and Calculus I

Every Fall. A study of concepts of limits, differentiation and integration of algebraic and elementary functions. Prerequisites: MAT 121, MAT 122 or high school equivalent.

MAT 271 **4 hours**
Analytical Geometry and Calculus II

Every Spring. A continuation of MAT 270, covering the techniques of integration, infinite series and solid analytic geometry. Prerequisite: MAT 270 or equivalent.

MAT 272 **4 hours**
Analytical Geometry and Calculus III

Every Fall. A study of partial differentiation and multiple integration with an introduction of vector analysis and differential equations. Prerequisite: MAT 271 or equivalent.

MAT 300 **3 hours**
Introduction to Mathematical Thought

Every Spring. An introduction to the basic structures of mathematical thought including logic and proofs, set theory, relations and functions, selected topics from modern algebra and the real number system. Emphasis is on the student's ability to read, write and discuss mathematical ideas.* Prerequisites: MAT 270, MAT 271.

*Mandatory attendance at MAA meetings.

MAT 310 **3 hours**
College Geometry

Fall, 1997, and alternate years. 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 342 **3 hours**
Linear Algebra

Every Fall. An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. Prerequisite: MAT 271 or instructor's approval.

MAT 363 **3 hours**
Probability and Statistics for Mathematics and Science

Every Spring. A study of elementary theories of probability, distribution, estimation and testing of statistical hypotheses. Prerequisite: MAT 271.

MAT 371 **3 hours**
Advanced Calculus I

Every Fall. Sets, functions, the real numbers, topological ideas, sequences, limits, continuity and differentiation. Prerequisites: MAT 272, MAT 300.

MAT 372 **3 hours**
Advanced Calculus II

Spring, 1997, and alternate years. Integration, series, uniform convergence and selected additional topics in analysis. Prerequisite: MAT 371.

MAT 373 **3 hours**
Differential Equations

Every Spring. A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics and physics. Prerequisite: MAT 272.

MAT 396 **2 hours**
Mathematics Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

MAT 443 **3 hours**
Abstract Algebra

Fall, 1997, and alternate years. An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: MAT 300 or instructor's approval.

MAT 461**3 hours****Complex Analysis**

Spring, 1997, and alternate years. An introduction to the calculus and geometry of functions of a complex variable. Topics include complex numbers, analytic functions, integration, Taylor and Laurent series, the residue calculus and selected additional topics. Prerequisite: MAT 272.

MAT 462**3 hours****Partial Differential Equations**

Fall, 1996, and alternate years. An introduction to the partial differential equations of applied mathematics: Laplace's, wave, and diffusion equations and their solution by characteristics, separation of variables, integral transforms and selected numerical methods. Prerequisite: MAT 373.

MAT 464**3 hours****Numerical Methods**

Spring, 1998, and alternate years. An introduction to selected topics in numerical analysis chosen from among the following: numerical linear algebra, interpolation, numerical solution of ordinary and partial differential equations, quadrature, solution of nonlinear equations and optimization. Choice of topics varies. Prerequisites: CSC 100, MAT 271 and instructor's approval.

MAT 483**3 hours****Mathematics in the Secondary School**

Fall, 1996, and alternate years. Topics in geometry, number theory, algebra and analysis. Emphasis is on the development of a problem-solving process and unifying principles. Teaching strategies, examination of secondary school curricular materials and classroom experience will be included. Prerequisites: MAT 270, MAT 271.

MAT 496**3 hours****Advanced Topics in Mathematics**

On demand. Upper Division topics such as History of Mathematics, Topology, Math Modeling, Number Theory, Advanced Algebra, Advanced Analysis, Advanced Linear Algebra and Dynamical Systems will be offered. May be repeated for credit. Prerequisite: Instructor's approval.

MAT 497**3 hours****Research in Dynamical Systems**

Every Spring (on demand other times). A detailed study in Dynamical Systems. May be repeated up to six credit hours. Prerequisite: Instructor's approval.

MAT 498A**3 hours****Project in Mathematics****MAT 498B****3 hours****Project in Dynamical Systems**

Every semester. A detailed study in Dynamical Systems, or some other related area of Mathematical Sciences. Prerequisite: MAT 372, MAT 373, MAT 443, and instructor's approval.

MAT 499**1 - 4 hours****Independent Study**

Every Semester. See page 30.

Department of Physical Education, Recreation, Martial Arts and Sport

DEPARTMENT DESCRIPTION

The study of human movement is the primary focus of the Department. Humanistic philosophies drive the ever-expanding scope of human movement study. Curriculum is presented in various environments through multi-learning approaches. In-depth study of this multifaceted field is required for those pursuing professional degree program or graduate school. Healthy lifestyle choices are promoted by the department through foundational experiences which develop both physical and cognitive skills.

The array of courses are offered to achieve the following aims: (1) educate men and women as health and physical education teachers and coaches, (2) prepare men and women as recreation professionals and (3) allow men and women to gain the knowledge and skills necessary to train others in the martial arts.

The major and minor degrees described offer a blend of classroom instruction and clinical experience designed for the optimum preparation of students for careers in this diverse career field. Each specific course of study has been designed to meet the following agency's certification requirements: (1) Arizona State Department of Education, and (2) National Parks and Recreation Department.

Martial Arts major and minor will provide the student with the skills needed to instruct others in various forms of self defense and karate techniques. Further, the preparation establishes a sound basis for understanding the martial arts while working toward belt designations according to the degree of progress. (Appropriate consideration will be given to the belts already earned.)

The Physical Education Teaching major will qualify as a teaching major for a (K-12) teaching certificate Endorsement at either the elementary or secondary level.

The Recreation major and minor will prepare the student for eligibility for the National Parks and Recreation Association Certification as a Recreation Professional, who can supervise and implement recreation programs and manage recreation facilities.

The Athletic Coaching minor emphasizes skills to assist the future teacher who wishes to coach interscholastic, intercollegiate or other sports teams in all aspects of preparation for competition. Successful completion of coursework can result in Level I and Level II PACE certifications.

Martial Arts Major

Select two of the following:		6 hours
MGT 301	Principles of Management (3)	
MKT 301	Principles of Marketing (3)	
ACC 211	Financial Accounting (3)	
EDU 303	Foundations of Education	3 hours
PED 246	Instructional Strategies in Physical Education	3 hours
† HLT 253	Anatomy and Physiology	3 hours
PED 335	Kinesiology	3 hours
Select two of the following:		6 hours
HLT 270	First Aid and Safety (3)	
PED 314	Care and Prevention of Athletic Injuries (3)	
‡ PED 340	Physiology of Exercise (3)	
PED 141	Self Defense	1 hour
PED 151	Karate	1 hour
PED 231	Advanced Karate	1 hour
PED 241	Advanced Self Defense	1 hour
PED 285	Teaching Self Defense Activities	1 hour
PED 309	Grappling	3 hours
PED 311	Sparring	3 hours
PED 342	Advanced Grappling	3 hours
PED 351	Intermediate Sparring	3 hours
PED 356	Teaching Karate Activities	1 hour
PED 366	Teaching Grappling Activities	1 hour
PED 376	Teaching Sparring Activities	1 hour
PED 401	Traditional Okinawan Weapons	3 hours
PED 451	Shootfighting	4 hours

Total Major Hours 51 hours

- † May be substituted with BIO 201.
‡ May be substituted with BIO 360.

DEGREE REQUIREMENTS —

* MARTIAL ARTS

(B.S. DEGREE; No Minor Required)

L. A. F. for the College of Liberal Arts and Social Sciences (See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

DEGREE REQUIREMENTS —

* PHYSICAL EDUCATION

(B.S. DEGREE; Minor Required)

P. L. A. F. for the College of Education Secondary Teacher Education Programs (See page 94)

Department Description

Degree Requirements

Majors

Martial Arts

Physical Education

Recreation

Minors

Athletic Coaching

Martial Arts

Physical Education

Recreation

Course Descriptions

Physical Education, Martial Arts,
Sport, and Recreation

Minor Required

Secondary Certification Required for Teaching Candidates

Physical Education Teaching Major

HLT 253	Anatomy and Physiology	3 hours
PED —	Activities (from 101, 111, 121, 131, 141, 151, 161, 181, 191) Must be at least one hour each from: aquatics, team sports and individual activities	6 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	3 hours
PED —	Professional Activities (Select four from 252, 262, 272, 282, 285, 292)	8 hours
PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 363	Physical Education for the Exceptional Child	3 hours
PED 383	Measurement in Physical Education	3 hours
PED 403	Physical Education in Elementary Grades	3 hours
PED 413	Physical Education in Secondary School	3 hours
PED —	6 hours of electives, Upper Division	6 hours

Total Major Hours 47 hours

* Refer to the College of Education for secondary certification requirements. In order to graduate with a K-12 Endorsement, 16 hours of student teaching (EED 480 - grades K-6, and SED 480 - grades 7-12) must be completed.

DEGREE REQUIREMENTS — RECREATION (B. S. DEGREE; Minor Required)

P. L. A. F. for the College of Liberal Arts and Social Sciences
(See page 106)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Recreation Major

HLT 270	First Aid and Safety	3 hours
PED 246	Instructional Strategies in Physical Education	3 hours
PED —	Professional Activities (Select two from 252, 262, 272, 282, 285, 292)	4 hours
REC 203	Introduction to Recreation	3 hours
REC 213	Recreational Leadership	3 hours
REC 215	Recreational Programming	3 hours
REC 313	Outdoor Recreation	3 hours
REC 423	Recreation Administration	3 hours
REC 424	Recreation Facility Management	3 hours
REC 425	Recreation for Special Populations	3 hours
REC 497	Internship in Recreation	9 hours

Select two of the following:

BUS 307	Business Communication (3)
MGT 301	Principles of Management (3)
MKT 301	Principles of Marketing (3)

Total Major Hours 46 hours

MINOR REQUIREMENTS — ATHLETIC COACHING

HLT 270	First Aid and Safety	3 hours
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PED 246	Instructional Strategies in Physical Education	3 hours
PED —	Professional Activities (Select two from 252, 262, 272, 282, 292)	4 hours
PED 314	Care and Prevention of Athletic Injuries	3 hours
PED —	Athletic Coaching (Select three from 323, 333, 334, 343 or equivalent)	9 hours
PED 433	Theory of Coaching	3 hours
PED 497	Internship in Exercise Science	2 hours

Total Minor Hours 27 hours

MINOR REQUIREMENTS — MARTIAL ARTS

PED 141	Self Defense	1 hour
PED 151	Karate	1 hour
* PED 231	Advanced Karate	1-2 hours
* PED 241	Advanced Self Defense	1-2 hours
* PED 285	Teaching Self Defense Activities	2 hours
PED 309	Grappling	3 hours
PED 311	Sparring	3 hours
PED 342	Advanced Grappling	3 hours
PED 351	Intermediate Sparring	3 hours
PED 401	Traditional Okinawan Weapons	3 hours
PED 451	Shootfighting	4 hours

Total Minor Hours 25 hours

* Option 1: PED 231, 1 hour; PED 241, 1 hour; PED 285, 2 hours
Option 2: PED 231, 2 hours; PED 241, 2 hours (do not take PED 285)

MINOR REQUIREMENTS — PHYSICAL EDUCATION

HLT 253	Anatomy and Physiology	3 hours
PED —	Activities (from 101, 111, 121, 131, 161, 181, 191)	4 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	3 hours
PED —	Professional Activities (Select two from 252, 262, 282, 292)	4 hours
PED 335	Kinesiology	3 hours
PED 403	Physical Education in Elementary Grades (3) or	
PED 413	Physical Education in Secondary School (3)	3 hours
PED —	Upper Division Electives	3 hours

Total Minor Hours 26 hours

MINOR REQUIREMENTS — RECREATION

HTH 270	First Aid and Safety	3 hours
PED 246	Instructional Strategies in Physical Education	3 hours
PED —	Professional Activities (Select two from 252, 262, 272, 282, 285, 292)	4 hours
REC 203	Introduction to Recreation	3 hours
REC 213	Recreational Leadership (3) OR	
REC 215	Recreational Programming (3)	3 hours
REC 313	Outdoor Recreation (3) OR	
REC 425	Recreation for Special Populations (3)	3 hours
REC 423	Recreation Administration (3) OR	
REC 424	Recreation Facility Management	3 hours
REC 497	Internship in Recreation	5 hours

Total Minor Hours 27 hours

PHYSICAL EDUCATION

PED 101 Swimming	1 hour
Every semester. Instruction and practice in the skills of swimming.	
PED 103 Varsity Athletics	1 hour
Every Fall. For athletes who compete on a varsity intercollegiate athletic team at Grand Canyon University. Each athlete may receive credit for this course only once.	
PED 104 Varsity Athletics	1 hour
Every Spring. For athletes who compete on a varsity intercollegiate athletic team at Grand Canyon University. Each athlete may receive credit for this course only once.	
PED 111 Tennis	1 hour
Every semester. Instruction and practice in the fundamentals of tennis.	
PED 121 Weightlifting and Fitness	1 hour
Every semester. Instruction and practice in the skills of weightlifting and of the procedures necessary to maintain an accepted level of physical fitness.	
PED 131 Team Sports	1 hour
Every semester. Instruction and practice in softball, basketball, volleyball or flag football. Sport selection based on facility availability, instructor preference and student input.	
PED 141 Self Defense	1 hour
Every semester. A course designed to teach students how to react in the event of a push, grab, or takedown. Emphasis is placed on in-close techniques including knee and elbow strikes, joint locks, armbars, takedowns, and chokes.	
PED 151 Karaté	1 hour
Every semester. A course designed to develop basic karaté skills including open-handed strikes, leg blocks, low kicks, break falls, and Seisan kata. The course will also include instruction in traditional karaté school ethics, Japanese terms and customs, and preparation for green belt promotion.	
PED 161 Aerobics	1 hour
Every semester. Course is designed to introduce and develop fundamental skills and principles of aerobics. Students will learn to apply these skills to achieve overall fitness and personal health. Some sections may be specialized for certain types of aerobic activity.	
PED 171 Water Aerobics	1 hour
Every semester. Course is designed to introduce and develop fundamental skills and principles of water aerobics and to apply these skills to achieve overall fitness and personal health.	
PED 181 Golf	1 hour
Every semester. Instruction and practice in stance, grip, stroke, teeing of the ball and use of different clubs.	

PED 183 Horsemanship	1 hour
Every semester. A course designed to instruct the beginner in basic equine care, ground work with a horse and beginning riding in western style.	
PED 191 Archery	1 hour
Every semester. Instruction and practice in the fundamentals of archery.	
PED 193 Badminton	1 hour
Every semester. An introductory course designed to develop fundamental skills and principles through lecture and practice. Emphasis is on the development of individual skills and application of those skills to singles and doubles game play.	
PED 195 Lifetime Wellness	2 hours
Every semester. An introductory course in exercise and wellness. Emphasis is placed on the acquisition of knowledge about what fitness entails, self-evaluation of student's present fitness needs and acquisition of information and skills needed to write up a personalized fitness program.	
PED 201 Intermediate Weightlifting and Fitness	1 hour
Every semester. Advanced instruction and practice in the skills of weightlifting and of the procedures necessary to maintain an advanced level of physical fitness. Prerequisite: PED 121 or instructor's approval.	
PED 202 Intermediate Golf	1 hour
Every Spring, Summer on demand. Advanced instruction and practice in the sport of golf, learning golf rules, etiquette and strategy. Student will be expected to play at least four, nine-hole rounds of golf. Prerequisite: PED 181 or instructor's approval.	
PED 203 Intermediate Archery	1 hour
Every Fall, Summer on demand. Archery class designed either for the competitive archery student or the hunter. Prerequisite: PED 191 or instructor's approval.	
PED 205 Intermediate Aerobics	1 hour
On demand. Advanced instruction and practice in the skills of aerobic exercise. Included will be methods of attaining and maintaining physical fitness through this mode of exercise and exposure to high and low impact, steps and body sculpting. Prerequisite: PED 161 or instructor's approval.	
PED 211 Lifeguard Training	1 - 2 hours
Every Spring. Instruction and practice in training as a lifeguard. Upon successful completion of the course, students will receive American Red Cross Standard First Aid and CPR (one credit hour) and lifeguard training (one credit hour) certificates.	
PED 221 Intermediate Tennis	1 hour
Every semester. Instruction and practice in the fundamentals of tennis. Designed for those students who have some skill in the sport. Prerequisite: Instructor's approval.	

PED 231**1 - 2 hours****Advanced Karaté**

Every Spring. A course designed to develop advanced karaté skills including power kicking, precision punching, tactile trapping, speed and cadence drills, angular attacks, timing and rhythm drills, and kata application. The course will also include preparation for brown belt promotion. (Students seeking a minor in martial arts must complete 2 hours.) Prerequisite: PED 151 or instructor's approval.

PED 240**3 hours****Introduction to Physical Education**

Every Fall. A study of the goals and objectives of physical education, its history and current role. Focus is on an overview of professional and bioscience specialties within the field, as well as literature and research and the basis of motor skills acquisition.

PED 241**1 - 2 hours****Advanced Self Defense**

Every Spring. A course designed to teach students how to react in the event of a choke, bear hug, tackle, or rape threat. The course will include instruction in joint locks, throws, and advanced chokes and armbars. Students will become better prepared to react effectively in a life-threatening confrontation. (Students seeking a minor in martial arts must complete two hours.) Prerequisite: PED 141 or instructor's approval.

PED 246**3 hours****Instructional Strategies in Physical Education**

Every semester. A course designed to prepare future physical education teachers, fitness instructors and recreational leaders in the skills necessary to teach physical education activities to groups. Included will be the development of lesson plans, course goals and performance objectives that can be applied to the teaching of any skill or activity.

PED 252**2 hours****Teaching of Team Sports I**

Every Fall. Practice and skills in the sports of soccer, touch football and team handball for majors and minors. Includes lesson plans, teaching techniques, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

PED 262**2 hours****Teaching of Team Sports II**

Every Spring. Practice and skills in the sports of basketball, volleyball and softball for majors and minors. Includes lesson planning, teaching techniques, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

PED 272**2 hours****Teaching Aquatic Skills (WSI)**

Every Spring. Practice and skills in the sport of swimming. Includes lesson planning, teaching procedure, evaluation techniques and skill proficiency. Must be able to swim 500 yards. Red Cross Emergency Water Safety and Water Safety Instructor certificates will be issued to the student upon successful completion of the course. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

PED 282**2 hours****Teaching of Individual Activities I**

Every Fall. Practice and skills in the activities of badminton, archery and tennis for majors and minors. Includes lesson planning, teaching procedures, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

PED 285**1 - 2 hours****Teaching Self Defense Activities**

Every Spring. A course designed to develop methods and techniques of teaching martial arts. Each student will research a particular area, prepare a paper and an in-class demonstration. Prerequisites: 246 or concurrent enrollment, PED 241 or instructor's approval.

PED 292**2 hours****Teaching of Individual Activities II**

Every Spring. Practical skills in the activities of fitness, rhythms and aerobics for majors and minors. Includes lesson planning, teaching techniques, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

PED 307**3 hours****Sports Broadcasting**

Every Summer. A course designed to teach students the basic components of a sports related radio or television broadcast. Topics include broadcast set-up, preparation of written materials for use in the broadcast, play-by-play announcing, color commentary, delivery and interviewing.

PED 309**3 hours****Grappling**

Every Fall. A course designed to familiarize students with ground-fighting techniques. Students will learn to escape, control an opponent, utilize pressure points, execute specialty takedowns, and seize strategic positions. Instruction will also include advanced wrestling skills and choke and armbar pins.

PED 311**3 hours****Sparring**

Every Fall. A course designed to introduce students to light-contact karaté fighting. Instruction will include reaction drills, ring utilization, tournament theatrics, referee awareness, and scoring strategies in preparation for tournament-style sparring.

PED 314**3 hours****Care and Prevention of Athletic Injuries**

Every Fall. 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 the prevention of injury. Two-and-one-half hours lecture, one-half hour lab.

PED 323**3 hours****Athletic Coaching: Baseball**

Every Fall. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy of baseball.

PED 333**3 hours****Athletic Coaching: Basketball**

Every Spring. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy in basketball.

PED 334**3 hours****Athletic Coaching: Volleyball and Softball**

Every Summer. A study of the fundamental skills of volleyball and softball, and how each of these skills can be presented and effectively evaluated. Further study will include the dynamics of team structure, practice organization, conditioning and coaching philosophy for these sports.

PED 335 **Kinesiology** **3 hours**

Every Spring. Analysis of human movement, integrating knowledge of skeletal, muscular and neurological systems with the effect of gravity, friction, internal and external forces and the laws of motion have on its function, including the application of these factors to various types of physical skills. Prerequisites: HLT 253 or BIO 201 and BIO 202 (concurrent enrollment acceptable).

PED 340 **Physiology of Exercise** **3 hours**

Every Fall. A study of the effects of exercise on the body. It includes the study of responses and adaptations to exercise at the systemic as well as the subcellular level. Two-and-one-half hours lecture, one-half hour lab. Prerequisites: HTH 253 or BIO 201 and BIO 202, (can be concurrent enrollment).

PED 342 **Advanced Grappling** **3 hours**

Every Spring. Further instruction in ground-fighting skills including ambar and choke defense, counter throws, advanced falls, combination strategies, and endurance/conditioning drills. Prerequisite: PED 309 or instructor's approval.

PED 343 **Sports Officiating** **3 hours**

Every Fall. A study of the rules and mechanics of officiating football, basketball, and baseball.

PED 351 **Intermediate Sparring** **3 hours**

Every Spring. A course designed to introduce students to kickboxing with leg kicks, knees, and elbows. Students will utilize speed bags, heavy bags, punch spar mitts, Thai pads/shields, and makiwaras in preparation to prepare for competition. Prerequisite: PED 311 or instructor's approval.

PED 356 **Teaching Karate Activities** **1 - 2 hours**

Every Fall. A course designed to develop methods of teaching Karate. Each student will research a particular area, prepare a paper and an in-class demonstration. Prerequisite: PED 231 or instructor's approval.

PED 363 **Physical Education for the Exceptional Child** **3 hours**

Every Fall. A course designed to develop methods and techniques of teaching the exceptional child in motor activities. Emphasis is also placed on the activities and programs to be included in the curriculum. Prerequisite: PED 246.

PED 366 **Teaching Grappling Activities** **1 - 2 hours**

Every Fall. A course designed to develop methods and techniques of teaching grappling. Each student will research a particular area, prepare a paper and an in-class demonstration. Prerequisite: PED 342 or instructor's approval.

PED 376 **Teaching Sparring Activities** **1 - 2 hours**

Every Fall. A course designed to develop methods and techniques of teaching sparring. Each student will research a particular area, prepare a paper and an in-class demonstration. Prerequisite: PED 351 or instructor's approval.

PED 383 **Measurement in Physical Education** **3 hours**

Every Spring. Tests and Measurements in physical education; data analysis techniques for test evaluation, test construction and grading. Also deals with tests of fitness and sports skills. Prerequisite: PED 246, four hours of Professional Activities.

PED 396 **Physical Education Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

PED 399 **Practicum** **1 - 4 hours**

On demand. See page 30.

PED 401 **Traditional Okinawan Weapons** **3 hours**

Every Spring. A course designed to introduce students to the bo, shinai, tonfas, sais, and nunchukas. Students will learn traditional weapons forms, advanced weapons combinations, and the history of weapons from their origin as farm tools.

PED 403 **Physical Education in Elementary Grades** **3 hours**

Every Spring. A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child. Prerequisites: PED 383, four hours Professional Activities.

PED 413 **Physical Education in Secondary School** **3 hours**

Every Fall. Designed for persons who plan to teach at the middle or high school level. Topics include classification of students, organization of classes, choice and selection of appropriate activities and materials, progression and testing. Prerequisites: PED 383, four hours of Professional Activities.

PED 414 **Advanced Athletic Training** **3 hours**

Every Spring. Evaluation of athletic injuries, recognition of the importance of physical exams, conditioning programs and disqualifying factors in athletics will be covered. Designed for students seeking NATA certification. Prerequisites: PED 314, PED 335 or concurrent enrollment.

PED 423 **Organization and Administration of Physical Education and Athletics** **3 hours**

Every Summer. Designed for majors in exercise science. Deals with administrative tasks and techniques for use in departments of physical education, athletics and fitness or exercise centers. Topics include budget and finance, organizing tournaments, and business, administrative and ethical decision-making in the exercise science setting. Prerequisite: PED 413 or instructor's approval.

PED 425 **Theory of Prescribing Exercise** **3 hours**

Every Spring. Theoretical basis and practical application of general principles of exercise prescription to various ages, fitness levels and health states. Prerequisite: PED 335.

PED 433 **Theory of Coaching** **3 hours**

Every Fall. Addresses the role of the coach in developing players beyond the basic skills of playing the game. The course will focus on the Christian approach to coaching, motivation, coaching styles, counseling athletes and coaching under stress. The course will apply to all coaching endeavors. Prerequisite: one athletic coaching course, concurrent enrollment acceptable.

PED 451 **Shootfighting** **4 hours**
Every Fall. A course designed to incorporate karate, kickboxing, and grappling. Students will become proficient in making smooth transitions between all three ranges of fighting. In order to optimize defensive strategies, students will become familiar with the trademarks of all common fighting styles. Prerequisite: PED 351 or instructor's approval.

PED 496 **Special Topics in Sports Medicine** **2 hours**
Every Fall. Must be taken twice by athletic training students. Examination of current issues, topics and trends in the field of sports medicine. Current theories and practices regarding diet, ergogenic aids, orthopedics, neurology, emergency procedures, rehabilitation and injury prevention methods will be discussed. Prerequisites: PED 314, BIO 201, BIO 202.

PED 497 **Internship in Physical Education** **3 hours**
The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

PED 499 **Independent Study** **1 - 4 hours**
On demand. See page 30.

RECREATION

REC 203 **Introduction to Recreation** **3 hours**
Every Spring. 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 Leadership** **3 hours**
Every Fall. Designed to acquaint the student with current trends and practices in professional recreation leadership development. Students will examine leadership concepts, group dynamics, management and problem-solving as related to recreation. Special event planning and operation of sports leagues will be explored. Prerequisite: REC 203.

REC 215 **Recreational Programming** **3 hours**
Every Spring. Games, contests, sports, arts, crafts, music, drama, social recreation for home, school and community leisure time. Students will gain experience in teaching activities and event planning.

REC 313 **Outdoor Recreation** **3 hours**
Summer, 1996, and alternate years. A course designed to acquaint the student with the knowledge and experience of outdoor living and outdoor leadership skills. Camping, back-packing and desert survival will be explored.

REC 396 **Recreation Tutoring** **2 hours**
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of Department Chair and the Tutor Program Coordinator.

REC 423 **Recreation Facility Management** **3 hours**
Spring, 1997 and alternate years. Study of financing, marketing and legal issues concerning the management of Recreation and Park facilities. Coursework will include a study of bonds, risk management and the pricing structures of recreation facilities. Prerequisite: REC 213 or Instructor's approval.

REC 424 **Recreation Administration and Supervision** **3 hours**
Spring, 1998, and alternate years. Study of supervisory and administrative techniques to be used in the Recreation profession. Staff and volunteer supervision, policy development, public and community relations as well as management theories will be included. Prerequisite: REC 203; and REC 213 or Instructor's approval.

REC 425 **Recreation for Special Populations** **3 hours**
Fall, 1997, and alternate years. A course designed to develop methods and techniques of leading therapeutic recreation activities in institutions. Emphasis is also placed on the activities and programs to be included. Prerequisites: REC 203, and REC 213 or REC 215.

REC 497 **Internship in Recreation** **2 - 5 hours**
Every semester. The student is assigned to an approved recreation 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. Prerequisite: REC 423.

College of Science and Allied Health

COLLEGE DESCRIPTION

The College of Science and Allied Health provides curricula for athletic training, biology, chemistry, corporate fitness, fire science, physical science, physics, science education, pre-engineering, premedicine, prepharmacy, pretherapy, other health sciences, and wildlife biology. These curricula lead to bachelor's degrees from Grand Canyon University and typically to master's or doctoral degrees elsewhere. Master's degrees in physical and occupational therapy, physician assistant studies, and sports health care are offered on the campus of Grand Canyon University by the Kirksville College of Osteopathic Medicine.

The College of Science and Allied Health strives to prepare students for graduate study and work in medical professions, business, industry, government, or teaching.

The faculty encourages students to set high goals, then to plan and act in ways that allow them to reach these goals. It challenges students to think clearly, excel academically, mature spiritually, and become socially responsible.

REQUIREMENTS — PREMEDICAL

PREPARATIONS FOR SCHOOLS OF MEDICINE, PODIATRY, OPTOMETRY, VETERINARY SCIENCE AND DENTISTRY

Students who plan to apply to medical, podiatry, optometry, veterinary, or dental schools should obtain a premedical advisor immediately upon entering the University or upon deciding on a career in medicine. The premedical advisors are Drs. Philip Fernandez, Jerry Justus, and Mark Taylor. The advisors can help students design a curriculum appropriate for application to medical schools.

Medically-oriented students may major in any discipline, however, degrees in biology or chemistry satisfy the requirements for admission into most medical schools. If they major in biology or chemistry, they are urged to minor in humanities or some other non-science areas.

For favorable consideration by medical, podiatry, optometry, veterinary, or dental schools, students should take 15 or more hours of courses per semester (with the possible exception of the freshman year) and maintain A and B grades. Medical programs are rigorous. Students must demonstrate that they can successfully and comfortably manage a full schedule, allowing time for studies, rest and recreation.

Medical, podiatry, optometry, veterinary and dental schools generally require the following courses:

BIO 181/182	General Biology I/II	8 hours
CHM 113/115	General Chemistry I/II	8 hours
CHM 331/332	Organic Chemistry I/II	8 hours
PHY 111/112	General Physics I/II	OR
PHY 115/116	University Physics I/II	8 hours
ENG 101/102	Academic Writing, Research Writing	6 hours

Articulation and early (3+4) admission agreements enable exceptionally well-qualified students to spend three years at Grand Canyon University taking premedical courses and then apply to either the Kirksville College of Osteopathic Medicine, the New York College of Podiatric Medicine, or the Southern California College of Optometry. Upon successful completion of the coursework, the students will be awarded a Bachelor of Science (B.S.) degree in biology from Grand Canyon University and either a Doctor of Osteopathy (D.O.) degree, a Doctor of Podiatric Medicine (D.P.M.) degree, or a Doctor of Optometry (O.D.) degree from the professional school.

Similar articulation and early (3+3) admission agreements allow qualified students to spend three years at Grand Canyon University taking prerequisite courses and then apply to the University of the Pacific School of Dentistry earning a professional degree. Upon successful completion of the coursework, the students will be awarded a Bachelor of Science (B.S.) degree in biology from Grand Canyon University and a Doctor of Dental Science (D.D.S.) degree from the professional school.

Professional schools require diverse prerequisites, therefore students are encouraged to determine requirements for particular schools early in their undergraduate careers. A broad liberal arts background including courses in psychology, sociology and the humanities is important in the health sciences. In addition, electives from the following list should be considered:

BIO 205	Microbiology
BIO 308	Pathophysiology
BIO 332	Cell Biology
BIO 340	Genetics
BIO 360	Basic Physiology
BIO 373	Human Prosection

College Description

Requirements

- Premedical
- Prehealth Professions
- Pregraduate
- Pre-Engineering
- Pre-Elementary and Pre-Secondary Teaching

Kirksville College of Osteopathic Medicine Southwest Center

Prescribed Liberal Arts Foundation for the College of Science and Allied Health

Departments

- Biology
- Health and Exercise Science
- Physical Sciences

BIO 430	Developmental Biology
BIO 433	Histology
CHM 314	Analytical Chemistry
CHM 461	Biochemistry I
CHM 462	Biochemistry II
MAT 270	Analytical Geometry and Calculus I
MAT 271	Analytical Geometry and Calculus II
NUR 204	Applied Nutrition
PHI 329	Biomedical Ethics
PHY 361	Modern Physics
PHY —	Biophysics
SPC 113	Fundamentals of Speech

Students who plan to be physicians should do part-time work, either voluntary or paid, in a hospital or clinic.

REQUIREMENTS — PREHEALTH PROFESSIONS

PREPARATIONS FOR SCHOOLS OF PHYSICAL THERAPY, OCCUPATIONAL THERAPY, PHARMACY, PHYSICIAN ASSISTANT STUDIES, SPORTS HEALTH CARE, AND OTHER HEALTH PROFESSIONS

Grand Canyon University (GCU) offers coursework that prepares students for graduate or professional studies in such health professions as physical therapy, occupational therapy, physician assistant studies, and sports health care. GCU students have been accepted at universities and professional programs throughout the United States.

The following prehealth professions core consists of courses which are prerequisites for many allied health programs. A student should incorporate them in their undergraduate coursework.

PREHEALTH PROFESSIONS CORE

*BIO 181, 182	General Biology I/II	8 hours
BIO 201, 202	Human Anatomy and Physiology I/II	8 hours
BIO 205	Microbiology	4 hours
CAM 180	Computer Application Modules	3 hours
CHM 113, 115	General Chemistry I/II	8 hours
ENG 101, 102	Academic Writing, Research Writing	6 hours
MAT 121	College Algebra	3 hours
PHY 111, 112	General Physics I/II	8 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours
PSY 466	Abnormal Psychology	3 hours
Total		57 hours

Students who plan to enter prehealth professions should do part-time work, either volunteer work or paid, in a hospital or clinic. Of particular interest, is GCU's arrangement with the Kirksville College of Osteopathic Medicine (KCOM). The KCOM Southwest Center, located on the campus of Grand Canyon University, reserves admission slots in its physical therapy, occupational therapy, physician assistant studies, and sports health care programs for **qualified GCU students**. To obtain the requirements for what constitutes a **qualified GCU student** please contact a health professions advisor at Grand Canyon University.

Health professionals work closely with patients or clients, encouraging and motivating them to approach, reach, or surpass their previous level of physical and mental performance. Thus, for admittance to allied health programs, students must excel in character, determination, experience, and desire to help others. Because entry to graduate programs is highly competitive, students must also excel academically.

The College of Science and Allied Health at Grand Canyon University is currently developing a pharmacy program.

For more details about Grand Canyon University's prehealth professions curriculum, the proposed pharmacy program, or the requirements of specific programs contact a health professions advisor. The health professions advisors are Dr. Jim Witherspoon, Mr. Jeff Young, and Mr. Michael Potter.

REQUIREMENTS — PREGRADUATE

PREPARATION FOR GRADUATE STUDY

Students who plan to apply to graduate schools in biology, chemistry, physical science or engineering should take all the required courses in the appropriate major and additional major electives. For favorable consideration by the top graduate schools, students should take 15 or more hours of courses each semester (with the possible exception of the freshman year), maintain A and B grades and include BIO 498: Research in Biology, CHM 498: Research in Chemistry, or PHY 498: Research in Physics, among their courses.

REQUIREMENTS — PRE-ENGINEERING (3:2 PROGRAM)

PREPARATION FOR ENGINEERING

Students who plan to transfer to an accredited engineering program should consult with the engineering advisor Dr. Bill Coghlan.

REQUIREMENTS — PRE-ELEMENTARY AND PRE-SECONDARY TEACHING

PREPARATION FOR TEACHING

Students who plan to major in chemistry for secondary teachers, physics for secondary teachers or science for elementary teachers should obtain a College of Education advisor and a Department of Physical Sciences advisor. The advisors can assist students in selecting courses to satisfy Grand Canyon University graduation requirements, the College of Education requirements, and the State Department of Education requirements for teaching certification.

KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE SOUTHWEST CENTER FOR OSTEOPATHIC MEDICAL EDUCATION AND HEALTH SCIENCES

The Kirksville College of Osteopathic Medicine (KCOM), the founding school of the osteopathic profession, and Grand Canyon University (GCU) signed agreements in 1994 establishing the KCOM Southwest Center for Osteopathic Medical Education and Health Sciences. The KCOM satellite facility opened in September 1995 on the GCU campus. The KCOM Southwest Center coordinates regional clinical rotations for third- and fourth-year students of osteopathic medicine in Arizona osteopathic and joint-staffed hospitals. In addition, the Southwest Center prepares students for careers in physical therapy, occupational therapy, physician assistant studies and sports health care. The occupational therapy and physician assistant programs are Arizona's first and the physical therapy program, Arizona's second. The physical therapy, occupational therapy, physician assistant, and sports health care programs currently have entering class sizes of approximately 50, 30, 30, and 20 students, respectively. The KCOM Southwest Center will also be utilized to recruit students from the southwestern states, coordinate continuing medical education programs, support alumni relations, and promote the development of additional allied health educational programs.

**PRESCRIBED LIBERAL ARTS FOUNDATION FOR THE
COLLEGE OF SCIENCE AND ALLIED HEALTH**

- I. Biblical Understandings:** 6 hours
BIB 101 or BIB 113 Old Testament Survey/History (3) and
BIB 102 or BIB 123 New Testament Survey/History (3)
OR
One of the above courses (3) and
UNV 204 Faith and Living: Issues for the 21st Century (3)
- II. Written Communication:** 3 - 6 hours
Passing the Writing Proficiency Examination and
ENG 101 Academic Writing (3) and
ENG 102 Research Writing (3)
OR
ENG 103 Honors English
- III. Fine Arts:** 3 hours
Art, Music, Theatre, or Speech
- IV. Social Sciences and Humanities:** 9 hours
At least three (3) hours of History
At least six (6) hours from
Economics, Foreign Language, Geography,
Literature, Philosophy, Political Science,
Psychology, or Sociology,
- V. Science and Healthful Living:** 10 hours
Two Laboratory Sciences (8)
Physical Education (2)
- VI. Mathematics:** 3 hours
MAT 121 College Algebra or higher
- VII. Computer Applications:** 3 hours
CAM 180 Microcomputer Applications
-
- Total P. L. A. F. requirements** 37 - 40 hours

Department of Biology

Department Description

DEPARTMENT DESCRIPTION

Degree Requirements

Majors

Allied Health

Biology (General)

Biology (Environmental)

Biology (Human)

Biology for Secondary Teachers

Minors

Biology

Course Descriptions

Courses in the Department of Biology are intended to help students understand and appreciate the structure, function, diversity, and interactions of living organisms. Degrees within the Department of Biology are designed to structure students' curricula to prepare them for careers or graduate studies in medicine, health sciences, education, research, environmental biology, and wildlife biology.

The faculty of the Department of Biology are broadly trained scientists who are committed to training modern, competent, and responsible professionals. Many of the faculty pursue research that involves undergraduate biology students. The professors recognize that involvement in research complements and strengthens their teaching, and also offers students a valuable view of the scientific process that leads to new discoveries and greater understanding of the natural world. Biology students can receive college credit towards their degrees for participation in research or for practical experience they gain from internships.

DEGREE REQUIREMENTS —

ALLIED HEALTH

(B.S. DEGREE; No Minor Required)

The Bachelor of Science degree in allied health is restricted to outstanding students who gain early admission to Master's degree programs in physical therapy, occupational therapy, physician assistant studies, or sports health care at the KCOM Southwest Center. The degree is not available to students already holding a bachelor's degree.

1. Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)
(Note: MAT 121 or higher is required)
2. Prerequisites for Appropriate KCOM Master's Degree Program
3. No minor required
4. Electives (As needed to total 90 semester hours by the end of the Spring semester prior to matriculation at KCOM)
5. Satisfactory completion of 30 semester hours at GCU
6. Satisfactory completion of First Year coursework at KCOM

DEGREE REQUIREMENTS — BIOLOGY (General) (B.S. DEGREE; Minor Required)

The Biology degree program is designed primarily to provide students with a strong foundation for a variety of graduate and professional programs and careers. Advisors assist students in tailoring their programs with appropriate electives to allow them to pursue careers including medicine, research and environmental quality.

Prescribed Liberal Arts Foundation for College of Science and Allied Health (See page 133)

(Note: MAT 121 or higher required.)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Minor Required

Biology Major

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 320	Fundamentals of Ecology	4 hours
BIO 332	Cell Biology	3 hours
BIO 340	Genetics	4 hours
BIO 360	Basic Physiology	4 hours
BIO 401	Science Communication	2 hours
BIO —	Biology Electives	8 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
ENG 301	Advanced Composition (3) OR	
ENG 313	Business and Technical Writing (3)	3 hours
* PHY 111	General Physics I	4 hours
* PHY 112	General Physics II	4 hours
CAM 180	Computer Application Modules	3 hours
+MAT 270	Analytical Geometry and Calculus I	4 hours

Total Major Hours 67 hours

* PHY 115 and PHY 116 may be substituted.
+ PSY 363 (or MAT 213) may be substituted.

DEGREE REQUIREMENTS —

ENVIRONMENTAL BIOLOGY

(B.S. DEGREE; No Minor Required)

Environmental biology is designed to provide the necessary background for graduating students to apply for professional positions in environmental and resource management, including public agencies, private industry, and consulting firms. Emphasis is placed on field-oriented coursework in ecology,

organismal biology, and resource management. The Wildlife Emphasis provides specific requirements necessary to allow students to apply for professional wildlife biologist certification by The Wildlife Society (see Wildlife Emphasis, following).

Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)

(Note: MAT 121 or higher required.)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

No Minor Required

Environmental Biology Major

BIO 105	Environmental Biology	4 hours
BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 184	Plant Biology	4 hours
BIO 320	Fundamentals of Ecology	4 hours
BIO 350	Comparative Invertebrate Zoology	4 hours
BIO 360	Basic Physiology	4 hours
BIO 399	Environmental Biology Practicum	1 hour
BIO 401	Science Communication	2 hours
* BIO —	Biology Electives	10 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 230	Elementary Organic Chemistry	4 hours
PHY 101	Intro. to Physical Science	4 hours
CAM 180	Computer Application Modules	3 hours
ENG 301	Advanced Composition (3) OR	
ENG 313	Business and Technical Writing (3)	3 hours
PSY 363	Probability and Statistics (3) OR	
MAT 213	Introductory Statistics (3)	3 hours

Total Major Hours 66 hours

Choose two of the following courses:

- BIO 426 Aquatic Ecology
- BIO 481 Vertebrate Zoology I
- BIO 482 Vertebrate Zoology II

WILDLIFE BIOLOGY EMPHASIS AND PROFESSIONAL CERTIFICATION

The Wildlife Society is a scientific and educational organization devoted to stewardship and enlightened appreciation of wildlife and its environments. The Wildlife Society has a program for certification of Professional Wildlife Biologists to evaluate the education and professional experience of wildlife biologists. Certification provides employers with a means of assessing the credentials of individuals seeking careers in wildlife biology. The requirements for certification demonstrate the expertise required to practice as a professional wildlife biologist. There are two certification categories that demonstrate the extent of educational preparation and work experience. The Certified Wildlife Biologist designation is for persons who have completed acceptable educational and work experience requirements. The Associate Wildlife Biologist designation is for persons who have completed the educational requirements, but not the experience requirements.

By completing the following courses (which will be offered on demand) in addition to requirements for the Environmental Biology Degree above, students will be eligible to apply for certification by The Wildlife Society as an Associate Wildlife Biologist. Upon completion of professional work experience beyond the degree award, individual will be eligible to apply for full certification as a Certified Wildlife Biologist (See Dr. Cary Chevalier for complete details of certification requirements):

- BIO 426 Aquatic Ecology

BIO 481	Vertebrate Zoology I
BIO 482	Vertebrate Zoology II
BOT 370	Arizona Flora
CHM 101	Introduction to Chemistry (substitute for CHM 113 and CHM 115)
ZOL 213	Introduction to Wildlife Ecology and Management (substitute for BIO 105)
ZOL 311	Applied Ecology and Wildlife Conservation Biology Techniques
ZOL 313	Development of American National Wildlife Law
ZOL 411	Principles of Terrestrial Wildlife Ecology and Management
ZOL 413	Principles of Applied Aquatic Ecology and Fisheries Management

DEGREE REQUIREMENTS — HUMAN BIOLOGY (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirements)

Minor Required

Human Biology Major

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO 205	Microbiology	4 hours
BIO 308	Pathophysiology (4) OR	
BIO 340	Genetics (3)	3-4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
PHY 111	General Physics I	4 hours
PHY 112	General Physics II	4 hours
CAM 180	Computer Application Modules	3 hours
ENG 301	Advanced Composition (3) OR	
ENG 313	Business and Technical Writing (3)	3 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours
PSY 363	Introduction to Probability and Statistics	3 hours
PSY 466	Abnormal Psychology	3 hours

Choose one course from the following: 2 hours

- BIO 305 Introduction to Physical Therapy (2)
- BIO 306 Introduction to Occupational Therapy (2)
- BIO 307 Practice of Medicine by Physician Assistants (2)
- BIO 401 Science Communication (2)

Choose two courses from the following: 6 hours

- BIO 383 Drug Abuse Seminar (3)
- CHM 230 Elementary Organic Chemistry (4)
- CHM 360 Principles of Biochemistry (4)
- NUR 204 Applied Nutrition (3)
- PED 335 Kinesiology (3)
- PED 340 Physiology of Exercise (3)

Total Major Hours 65 - 66 hours

DEGREE REQUIREMENTS — * BIOLOGY FOR SECONDARY TEACHERS (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Education Secondary Education Programs (See page 94)

(Note: MAT 121 or higher required.)

Minor Required**Secondary Certification Required****Biology for Secondary Teachers Major**

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO 320	Fundamentals of Ecology	4 hours
BIO 340	Genetics	4 hours
BIO 480	Methods of Teaching Science in Secondary Schools	3 hours
BIO —	Upper Division Biology Elective(s)	4 hours
+ CHM 101	Introduction to Chemistry	4 hours
+ CHM 230	Elementary Organic Chemistry	4 hours
CAM 180	Microcomputer Applications	3 hours
PHY 101	Introduction to Physical Science (4)	OR
PHY 111	General Physics I (4)	4 hours

Total Major Hours 46 hours

* Please refer to the College of Education for secondary certification and minor requirements.

+ CHM 113, CHM 115 are required for Chemistry minors.

MINOR REQUIREMENTS — * BIOLOGY

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO —	Biology Electives including 6 hours Upper Division	12 hours
Total Minor Hours		20 hours

* Students desiring teaching certification should take 24 hours for a minor. Please refer to the College of Education for certification requirements.

BIOLOGY**BIO 100 4 hours****Biology Concepts**

Every semester. A complete overview of the science of biology from a human perspective. Topics include cells, energetics, ecology, inheritance, evolution, embryology, anatomy and physiology. Three hours lecture, three hours lab. This course does not apply toward biology majors.

BIO 105 4 hours**Environmental Biology**

Every Fall. Study of the fundamentals of ecology and their relevance to human impact on natural ecosystems. Three hours lecture, three hours lab.

BIO 181 4 hours**General Biology (Majors) I**

Every Fall and Summer. Biological concepts emphasizing the interplay of structure and function at the molecular, cellular and organismal levels of organization. Three hours lecture, three hours lab.

BIO 182 4 hours**General Biology (Majors) II**

Every Spring and Summer. Study of organ systems, characteristics of the major groups of plant and animal life, and the ecological interaction of organisms with each other and their environment. Three hours lecture, three hours lab. Prerequisite: BIO 181 or instructor's approval.

BIO 184 4 hours**Plant Biology**

Spring, 1996, and alternate years. A study of the principles and processes in plant biology with emphasis on vascular plants. Includes survey of plant kingdom, plant ecology, and economic botany. Three hours lecture, three hours lab.

BIO 201 4 hours**Human Anatomy and Physiology I**

Every Fall and Summer. A study of the structure and function of cells and the following human systems: skeletal, muscular, and nervous. Three hours lecture, three hours lab. Ordinarily no credit for biology majors (except those in human biology).

BIO 202 4 hours**Human Anatomy and Physiology II**

Every Spring and Summer. A study of the structure and function of the following human systems: endocrine, cardiovascular, respiratory, digestive, renal, and reproductive. Three hours lecture, three hours lab. Prerequisite: BIO 201 or instructor's approval. Ordinarily no credit for biology majors (except those in human biology).

BIO 205 4 hours**Microbiology**

Every semester and Summer. An introduction to the principles and applications of microbiology, with a study of the general characteristics of micro-organisms and their relationship to man. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182 or instructor's approval.

BIO 304 3 hours**Applied Nutrition**

Every semester. Applied Nutrition provides a foundation of basic nutrition theory. The focus will be on assessment, food components, exercise, nutrition, weight control, community programs, and resources. Application of these aspects are used to promote health and prevent illness.

BIO 305 2 hours**Introduction to Physical Therapy**

Every semester. An introduction that includes observation of physical therapists at work, experience with patients, writing of journals, discussions, public speaking, and interactions with guest speakers. May be repeated for up to four hours credit. Two hours lecture. Prerequisites: Cumulative grade point average of 3.00 or higher, A or B grade in BIO 201, and instructor's approval.

BIO 306 2 hours**Introduction to Occupational Therapy**

Every semester. An introduction that includes observation of occupational therapists at work, experience with patients, writing of journals, discussions, public speaking, and interactions with guest speakers. May be repeated for up to four hours credit. Two hours lecture. Prerequisites: Cumulative grade point average of 3.00 or higher, A or B grade in BIO 201, and instructor's approval.

BIO 307 2 hours
Practice of Medicine by Physician Assistants

Every semester. An informative course on the history of the Physician Assistant profession from inception to current status. Emphasis on current practice venues. Interaction with practice PA's will be accomplished by guest speakers. May be repeated for up to four hours credit. Two hours lecture. Prerequisites: Cumulative Grade Point Average of 3.00 or higher, A or B grade in BIO 201, and instructor's approval.

BIO 308 3 hours
Pathophysiology

Every semester and Summer. Manifestations of altered human physiology and disease. Systems theory is used to analyze the relationship between disease and physiology. Prerequisites BIO 201, BIO 202, and BIO 205, or BIO 205 and BIO 360 or instructor's approval.

BIO 320 4 hours
Fundamentals of Ecology

Every semester. Study of plants and animals as individuals and in communities in relation to their physical and biological environment. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 332 3 hours
Cell Biology

Every Fall. A comprehensive study of the composition, structure, regulation and growth of eukaryotic cells. Three hours lecture. Prerequisites: BIO 181, BIO 182, or instructor's approval.

BIO 340 4 hours
Genetics

Every Spring. A comprehensive examination of the principles of heredity and variation, including Mendelian genetics, molecular genetics, and population genetics. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182 or instructor's approval.

BIO 350 4 hours
Comparative Invertebrate Zoology

Fall, 1995, and alternate years. A study of the systematics, morphology, life history, and ecology of invertebrate organisms. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 360 4 hours
Basic Physiology

Every Fall. A study of the functions of cells, organs and systems of vertebrates, with the emphasis on humans. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 373 3 hours
Human Prosection

Every Summer. A laboratory study of the structure of mammals, with the emphasis on humans. This limited enrollment course includes a dissection of human cadavers. One hour lecture, six hours lab. Prerequisites: BIO 181, BIO 182 and instructor's approval.

BIO 383 3 hours
Drug Abuse Seminar

Every semester. Also **HLT 383** and **SOC 383**. Information presented concerns the problems of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychological, legal, social, and cultural implications; and principles of program planning. Prerequisite: SOC 341 or instructor's approval.

BIO 396 2 hours
Biology Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

BIO 399 1 - 4 hours
Practicum

On demand. See page 30.

BIO 401 2 hours
Science Communication

Every semester (concurrent with PHY 401 and CHM 401). Study of how to gather, analyze, and communicate scientific information. Topics covered include a survey of scientific literature, written communication skills, publishing research results, and oral presentation techniques. Prerequisites: Senior status, and biology major.

BIO 426 4 hours
Aquatic Ecology

Spring, 1997, and alternate years. A study of the physical and biological components of aquatic ecosystems and adaptations of aquatic organisms. Laboratory investigations include methods of sampling and analyzing water and aquatic life. Three hours lecture, three hours lab. Prerequisite: BIO 320.

BIO 430 3 hours
Developmental Biology

Every Spring. A comprehensive examination of topics in developmental biology, including genetic regulation, nucleocytoplasmic interactions, morphogenesis, pattern formation and cell differentiation. Three hours lecture. Prerequisites: BIO 181, BIO 182.

BIO 433 4 hours
Histology

Every Spring. A study of the microscopic structure and function of human tissues. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 480 3 hours
Methods of Teaching Science in the Secondary School

On demand. Methods of instruction, organization, and presentation of content in teaching science. Two hours lecture, and two hours lab.

BIO 481 4 hours
Vertebrate Zoology I

Fall, 1996, and alternate years. A study of the systematics, morphology, natural history, and ecology of fish, amphibians and reptiles. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 482 4 hours
Vertebrate Zoology II

Spring, 1997, and alternate years. Systematics, morphology, natural history, and ecology of birds and mammals. Three hours lecture, three hours lab. Prerequisite: BIO 181, BIO 182.

BIO 496 1 - 4 hours
Advanced Topics in Biology

On demand. Each year appropriate topics will be offered at an advanced level. May be repeated for credit. Credit will range from one to four credits depending on the topic. Prerequisite: Instructor's approval.

BIO 497 **1 - 4 hours**
Internship

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chair for specific information. Prerequisite: Instructor's approval.

BIO 498 **1 - 6 hours**
Research in Biology

Every semester. A detailed study of one or more biological problems. May be repeated for up to nine hours of credit, three of which may count toward electives in biology. Prerequisites: BIO 181, BIO 182, CHM 113, CHM 115, consultation with and instructor's approval.

BIO 499 **1 - 4 hours**
Independent Study

On demand. See page 30.

WILDLIFE CERTIFICATION

BOT 370 **4 hours**
Arizona Flora

On demand. A study of the principles of systematic botany with an emphasis on identification of the vascular flora of Arizona. Three hours lecture, three hours lab. Prerequisite: BIO 184.

ZOL 213 **3 hours**
Introduction to Wildlife Ecology and Management

Every Fall. Introduction to the principles of wildlife management as currently practiced in the United States. Emphasis will be on the historical and current philosophy of wildlife management, environmental law and public policy, and major principles of applied conservation biology as currently applied to modern wildlife ecology and management. Three hours lecture. Prerequisites: BIO 181, BIO 182, or instructor's approval.

ZOL 311 **4 hours**
**Applied Ecology and
Wildlife Conservation Biology Techniques**

Fall 1995, and alternate years. Survey of selected techniques used to conduct field and laboratory investigations in applied ecology and conservation biology and management of vertebrates. Three hours lecture, three hours lab. Prerequisites: ZOL 213, BIO 320, or instructor's approval.

ZOL 313 **3 hours**
Development of American National Wildlife Law

On demand. Introduction to the principles of federal wildlife law. A survey of its historical and constitutional origins. Topics include discussions of the influence major statutes exert on biopolitics, wildlife management, and conservation. Three hours lecture. Prerequisite: Instructor's approval.

ZOL 411 **4 hours**
Principles of Terrestrial Wildlife Ecology and Management

Spring 1996, and alternate years. Advanced study of the principles of terrestrial wildlife management. Emphasis will be on current philosophy of wildlife management; renewable natural resource law and public policy; major principles and techniques of applied conservation ecology and management; principles and techniques of management ecology of terrestrial species assemblages. Three hours lecture, three hours lab. Prerequisites: ZOL 213, BIO 320, BIO 481, BIO 482, or instructor's approval.

ZOL 413 **4 hours**
**Principles of Applied Aquatic Ecology
and Fisheries Management**

Spring 1997, and alternate years. Survey of the principles of aquatic systems ecology and fisheries management and biology (particularly Arizona) and elsewhere. Emphasis will be placed on applied aspects of population genetics, biogeography, morphometrics, species/stock identification, stock assessment, population dynamics, population genetics, and management ecology of fish. Three hours lecture, three hours lab. Prerequisites: ZOL 213, BIO 320, BIO 481, BIO 482, or instructor's approval.

Department of Health and Exercise Science

DEPARTMENT DESCRIPTION

The major and minor degrees described offer a blend of classroom instruction and clinical experience designed for the optimum preparation of students for careers in this field. These courses of study will prepare students for eligibility to meet the requirements of the National Athletic Trainers Association Board of Certification, national certifications in the commercial health and fitness industry, State Board of Education Health Education Endorsement and career employment and advancement in the firefighting service industry.

The Athletic Training and Corporate Fitness and Wellness Majors comprise 44 - 46 hours of course study, with a minor required. Department minors include Fire Science, Exercise and Health Education, at 24 - 27 hours each.

Courses are provided to achieve the following aims: 1) train men and women for careers as professional athletic trainers; 2) provide the background necessary for employment as instructors, directors, and specialists in the commercial health and fitness industry; 3) educate men and women to be health education professionals and to receive State Board of Education endorsement as Health Educators; and 4) allow men and women to gain the knowledge and skills to enter or promotions in the professional firefighting service industry.

The Corporate Fitness and Wellness Major can lead, along with practical experience, to eligibility in any of the following areas: Fitness Instructor, Exercise Specialist or Exercise Program Director with the American College of Sports Medicine, Certified Strength and Conditioning Specialist with the National Strength and Conditioning Association, or any of the national aerobics instructor certifications.

The Athletic Training Major prepares students for employment in secondary schools, colleges and universities, professional sports, and industrial and clinical settings as Certified Athletic Trainers. The student will receive instruction in prevention, management, and rehabilitation of injuries/illness in the sports setting; the administration of sports medicine programs, and education and counseling of athletes on subjects related to this field. A teaching degree is recommended, but not required.

The Fire Science Minor emphasizes the skills to assist the future firefighter toward employment in the firefighting industry and to assist the currently employed firefighter in acquiring knowledge and attaining in rank.

The Exercise Science Minor will especially enable the Human Biology or Allied Health Major to obtain a degree from Grand Canyon University by providing a concentrated field of study of valuable knowledge and skills to enhance advancement possibilities in the allied health professional fields.

The Health Education Minor is designed to prepare the student for a teaching minor in Health Education, and, with College of Education coursework, to meet the State Board

of Education requirements for a minor in that field.

DEGREE REQUIREMENTS — ATHLETIC TRAINING (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Minor Required

Athletic Training Major

BIO	201	Human Anatomy and Physiology I	4 hours
BIO	202	Human Anatomy and Physiology II	4 hours
EXS	314	Care and Prevention of Athletic Injuries	3 hours
EXS	335	Kinesiology	3 hours
EXS	340	Physiology of Exercise	3 hours
EXS	383	Measurement in Physical Education	3 hours
EXS	414	Advanced Athletic Training	3 hours
EXS	425	Theory of Prescribing Exercise	3 hours
EXS	496	Special Topics in Exercise Science (2 two-hour courses of different topics)	4 hours
EXS	497	Internship in Exercise Science	3 hours
HLT	200	Personal Health	3 hours
HLT	270	First Aid and Safety	3 hours
PSY	101	General Psychology	3 hours
—	—	Methods course from any teaching field	2 - 3 hours
Total Major Hours			44 - 45 hours

Secondary Teacher Certification strongly recommended.

DEGREE REQUIREMENTS — CORPORATE FITNESS AND WELLNESS (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Corporate Fitness and Wellness Major

BIO	201	Human Anatomy and Physiology I	4 hours
BIO	202	Human Anatomy and Physiology II	4 hours

Department Description

Degree Requirements

Majors

Athletic Training

Corporate Fitness and Wellness

Minors

Exercise Science

Fire Science

Health Education

Course Descriptions

EXS 335	Kinesiology	3 hours
EXS 340	Physiology of Exercise	3 hours
EXS 383	Measurement in Physical Education	3 hours
EXS 497	Internship in Exercise Science	2 hours
HLT 200	Personal Health	3 hours
HLT 270	First Aid and Safety	3 hours
PED —	Activities (from 101, 111, 121, 141, 151, 161, 171)	4 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select three from 252, 262, 272, 282, 285, 292)	6 hours
PED —	Upper Division Electives	6 hours
Total Major Hours		46 hours

MINOR REQUIREMENTS — EXERCISE SCIENCE

EXS 314	Care and Prevention of Athletic Injuries	3 hours
EXS 335	Kinesiology	3 hours
EXS 340	Physiology of Exercise	3 hours
EXS 383	Measurement in Physical Education	3 hours
EXS 425	Theory of Prescribing Exercise	3 hours
EXS 496	Special Topics in Sports Medicine	2 hours
EXS 497	Internship in Exercise	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED 292	Teaching of Individual Activities II	2 hours
Total Minor Hours		24 hours

MINOR REQUIREMENTS — FIRE SCIENCE

Transfer hours from Community College*			18 hours
EXS 325	Fire Service and the Community		3 hours
EXS 375	Fire Prevention Program Development and Management		3 hours
EXS 423	Fire Department Administration		3 hours
EXS 497	Fire Service Internship		3 hours
Total Minor Hours			30 hours

* See Department Chair for list of participating community colleges and required courses.

MINOR REQUIREMENTS — HEALTH EDUCATION

HLT 200	Personal Health	3 hours
HLT 253	Anatomy and Physiology	3 hours
HLT 270	First Aid and Safety	3 hours
HLT 333	School Health Problems	3 hours
HLT 363	Methods of Teaching Health	3 hours
HLT 382	Principles of Public Health	3 hours
HLT 383	Drug Abuse Seminar	3 hours
HLT 497	Internship in Health Education	3 hours
Total Minor Hours		24 hours

EXERCISE SCIENCE**EXS 314 3 hours**
Care and Prevention of Athletic Injuries

Every Fall. A course designed to provide the student 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 of the prevention of injury. Two-and-one-half hours lecture, one-half hour lab.

EXS 325 3 hours
The Fire Service and the Community

Every semester. The sociological, economic, and political characteristics of communities, and their impact on the fire problem. Course will include in-depth examination of the fire service's role in the community, as emergency care providers for the sick and injured, fire suppression providers, as a community role model, and an organization with a growing responsibility in the social services arena.

EXS 335 3 hours
Kinesiology

Every Spring. Analysis of human movement, integrating knowledge of the skeletal, muscular, and neurological systems with the effect of gravity, friction, internal, and external forces, and the laws of motion have on its function, including the application of these factors to various types of physical skills. Prerequisites: HLT 252 or BIO 201 and BIO 202, and PHY 101 (concurrent enrollment acceptable).

EXS 340 3 hours
Physiology of Exercise

Every Fall. A study of the effects of exercise on the body. It includes the study of responses and adaptations to exercise at the systemic as well as the subcellular level. Two-and-one-half hours lecture, one-half hour lab. Prerequisites: HLT 253 or BIO 201 and BIO 202 (can be concurrent enrollment).

EXS 375 3 hours
Fire Prevention Program Development and Management

Every semester. An examination of the techniques, procedures, programs, and agencies involved in fire prevention. Course will include an exploration of fire inspection programs, public education, sprinkler ordinances, and the role of the fire service administrator in managing, supporting, and developing these programs.

EXS 383 3 hours
Measurement in Physical Education

Every Spring. Tests and Measurements in physical education; data analysis techniques for test evaluation, test construction and grading. Also deals with tests of fitness and sports skills. Prerequisites: PED 246, four (4) hours of Professional Activities.

EXS 399 1 - 4 hours
Practicum

On demand. See page 30.

EXS 414 3 hours
Advanced Athletic Training

Every Spring. Evaluation of athletic injuries, recognition of the importance of physical exams, conditioning programs and disqualifying factors in athletics will be covered. Designed for students seeking NATA certification. Prerequisites: PED 314, PED 335 or concurrent enrollment.

EXS 423 **3 hours**
Fire Department Administration

Every semester. An exploration and examination of the organization and management techniques in the fire service. Including fire EMS operations, hiring, and personnel practices, budgeting, disaster planning, and forecasting trends. Course will include organization and management theory; how it is utilized in today's fire service, and how it may impact the future of the fire service administration.

EXS 425 **3 hours**
Theory of Prescribing Exercise

Every Spring. Theoretical basis and practical application of general principles of exercise prescription to various ages, fitness levels and health states. Two-and-one-half hour lecture, one-half hour lab. Prerequisite: PED 335.

EXS 496 **2 hours**
Special Topics in Sports Medicine

Every Fall. Must be taken twice by athletic training students. Examination of current issues, topics, and trends in the field of sports medicine. Current theories and practices regarding diet, ergogenic aids, orthopedics, neurology, emergency procedures, rehabilitation, and injury prevention methods will be discussed. Prerequisites: PED 314, BIO 201, BIO 202.

EXS 497 **1 - 5 hours**
Internship in Exercise Science

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

EXS 499 **1 - 4 hours**
Independent Study

On demand. See page 30.

HEALTH EDUCATION

HLT 200 **3 hours**
Personal Health

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

HLT 253 **3 hours**
Anatomy and Physiology

Every Fall. A study of the basic structures and functions of the various systems of the human organism. Provides accurate, current information concerning the human body for those students pursuing careers in health and physical education who have minimal background in the physical and biological sciences.

HLT 270 **3 hours**
First Aid and Safety

Every Fall. Designed to develop the ability to administer emergency treatment for first responders. Upon successful completion of this course, students will receive American Red Cross Standard First Aid and CPR certification. Also a study of safety and its importance in home, work and recreational settings.

HLT 333 **3 hours**
Pool Health Problems

Every Spring. An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs. Prerequisite: HLT 200.

HLT 363 **3 hours**
Methods of Teaching Health

Every Fall. A study of the methods and procedures of teaching health. Resources, aids, and agencies are studied in an attempt to determine how they may best assist the teacher. Prerequisite: HLT 200.

HLT 382 **3 hours**
Principles of Public Health

Every Spring. 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. Prerequisite: HLT 200.

HLT 383 **3 hours**
Drug Abuse Seminar

Every semester. Also **SOC 383** and **BIO 383**. Information presented concerns the problem of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychological, legal, social, and cultural implications; and principles of program planning.

HLT 396 **2 hours**
Health Education Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

HLT 497 **1 - 4 hours**
Internship in Health Education

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chair for specific information. Prerequisite: Instructor's approval.

HLT 499 **1 - 4 hours**
Independent Study

On demand. See page 30.

Department of Physical Science

Department Description

DEPARTMENT DESCRIPTION

Degree Requirements

Majors

Chemistry

Chemistry for Secondary Teachers

Physical Science

Physics for Secondary Teachers

Science for Elementary Teachers

Minors

Chemistry

Physics

Biophysical Science

Science Teaching

Course Descriptions

The Department of Physical Sciences provides curricula for students wishing to major in chemistry, physical science, physics for secondary teachers, chemistry for secondary teachers, and science for elementary teachers. These majors prepare students for graduate school, medical, veterinary, or dental school, engineering, technician careers in industry, government or business, and employment in high school or elementary school science teaching. Minors are offered in chemistry, biophysical science, physics, and science teaching. Students with advanced placement credit from high school physics or chemistry courses are encouraged to apply for departmental credit in General Physics or General Chemistry. See pages 14-15 for specific information.

The diverse backgrounds of the faculty, with expertise in biochemistry, material science, meteorology, biophysics, solid state chemistry, analytical chemistry, catalysis and organometallics, chemistry education, and computers in education, ensure each student a broad exposure to the physical sciences. Each faculty member is committed to serving the student whether providing service courses in physics and chemistry, advising students in their choice of major, or helping well-qualified students find summer internships at government laboratories such as Argonne National Laboratory, Illinois, and Oak Ridge, Tennessee. The department continues to serve increasing numbers of students with the addition of new faculty, small recitation groups, and daily tutorial labs. Here, students meet with mentors and faculty while learning together. The Department of Physical Sciences emphasizes teaching excellence, analytical thinking, practical laboratory experiences, spiritual growth, and social awareness, all within a Christian liberal arts setting.

ENG 301	Advanced Composition (3)	OR
ENG 313	Business and Technical Writing (3)	3 hours
MAT 270	Analytical Geometry and Calculus I	4 hours
MAT 271	Analytical Geometry and Calculus II	4 hours
MAT 272	Analytical Geometry and Calculus III	4 hours
PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours

Total Major Hours 64 hours

DEGREE REQUIREMENTS — * CHEMISTRY FOR SECONDARY TEACHERS (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for College of Education Secondary Education Programs (See page 94)

Minor Required

Secondary Certification Required

Chemistry for Secondary Teachers Major

**BIO 100	Biology Concepts	4 hours
**BIO 105	Environmental Biology	4 hours
CAM 180	Computer Application Modules	3 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 314	Analytical Chemistry	5 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
CHM —	Upper Division Chemistry Electives (excluding CHM 396 and recitation classes)	4 hours
CHM 480	Methods of Teaching Science in the Secondary Schools	3 hours
PHY 101	Introduction to Physical Science	4 hours

Total Major Hours 43 hours

* Please refer to the College of Education for secondary certification and minor requirements.

** BIO 181, and BIO 182 are required for biology mi

DEGREE REQUIREMENTS — CHEMISTRY (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Minor Required

Chemistry Major

CAM 180	Computer Application Modules	3 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 314	Analytical Chemistry	5 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
CHM 401	Science Communication	2 hours
CHM —	Upper Division Chemistry Electives (excluding CHM 396, CHM 480, and recitation classes)	7 hours
CHM 441	Physical Chemistry I	4 hours
CHM 442	Physical Chemistry II	4 hours

DEGREE REQUIREMENTS — PHYSICAL SCIENCE (B.S. DEGREE; Minor Required)

Prescribed Liberal Arts Foundation for the College of Science and Allied Health (See page 133)

Minor Required

Physical Science Major

CAM 180	Computer Application Modules	3 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 314	Analytical Chemistry	5 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
ENG 313	Business and Technical Writing	3 hours
GLG 101	General Geology	4 hours
* MAT 121	College Algebra	3 hours
* MAT 122	College Trigonometry	2 hours
PHY 107	Astronomy	4 hours
PHY 111	General Physics I	4 hours
PHY 112	General Physics II	4 hours
PHY/		
CHM 401	Science Communication	2 hours
— —	Upper Division Electives from Physics/Chemistry (excluding PHY/CHM 480, PHY/CHM 396)	8 hours
PSY 363	Introduction to Probability and Statistics	3 hours

Total Major Hours 60 - 61 hours

* May substitute MAT 270 (Analytical Geometry and Calculus I) for MAT 121 and MAT 122.

DEGREE REQUIREMENTS — PHYSICS FOR SECONDARY TEACHERS (B.S. DEGREE; No Minor Required)

Prescribed Liberal Arts Foundation for College of Education Secondary Education Program (See page 94)

Secondary Certification Required

No Minor Required

Physics for Secondary Teachers Major

CAM 180	Microcomputer Applications	3 hours
MAT 270	Analytical Geometry and Calculus I	4 hours
MAT 271	Analytical Geometry and Calculus II	4 hours
MAT 272	Analytical Geometry and Calculus III	4 hours
PHY 101	Introduction to Physical Science	4 hours
PHY 101R	Introduction to Physical Science Recitation	1 hour
PHY 107	Astronomy	4 hours
PHY 111R	General Physics I Recitation (concurrent with PHY 115)	1 hour
PHY 112R	General Physics II Recitation (concurrent with PHY 116)	1 hour
PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours
PHY 211	Engineering Mechanics: Statics	3 hours
PHY 312	Engineering Mechanics: Dynamics	3 hours
PHY 361	Introduction to Modern Physics	3 hours
PHY 401	Science Communication	2 hours
PHY 480	Methods of Teaching Science in the Secondary School	3 hours
— —	Upper Division Electives from Physics, Mathematics and Chemistry	11 hours

Total Major Hours 59 hours

* Please refer to the College of Education for secondary certification and minor requirements.

Any student wishing to minor in mathematics may, with College of Science and Allied Health approval, use the 12 hours of Analytical Geometry and Calculus from the Physics for Secondary Teachers major as part of their minor. They can then be certified with a minor in Mathematics (12 Calculus + 8 Upper Division Mathematics hours) for a total of 136 hours.

Similarly, any student wishing to minor in Chemistry may, with College of Science and Allied Health approval, use up to 8 hours of Upper Division Chemistry electives from the Physics for Secondary Teachers Major as part of their minor. They can then be certified with a minor in Chemistry for a total of 140 hours.

DEGREE REQUIREMENTS - * SCIENCE FOR ELEMENTARY TEACHERS (B.S. DEGREE; No Minor Required)

The teaching major or minor in science is designed to give prospective teachers a broad introduction to science rather than specialization in one field. It is particularly useful for teachers in grades 4 - 8 who will be teaching both life and physical sciences.

Prescribed Liberal Arts Foundation for College of Education Elementary Teacher Education Programs (See page 94)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Elementary Education Major Required

Science for Elementary Teachers Major

BIO 105	Environmental Biology	4 hours
BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
CAM 180	Computer Application Modules	3 hours
CHM 101	Introduction to Chemistry	4 hours
CHM 230	Elementary Organic Chemistry	4 hours
GLG 101	Introduction to Geology	4 hours
PHY 101	Introduction to Physical Science	4 hours
PHY 107	Astronomy	4 hours

Total Major Hours 35 hours

* Please refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — * CHEMISTRY

CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
CHM —	Chemistry Elective(s) (Upper Division, excluding CHM 396, 480, and recitation classes)	4 hours

Total Minor Hours 20 hours

* Students desiring teaching certification should take 24 hours for a minor. Please refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — * PHYSICS

PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours
PHY 361	Introduction to Modern Physics	3 hours
+PHY —	Physics Electives (6 hours must be Upper Division)	9 hours
Total Minor Hours		20 hours

* Students desiring teaching certification should take 24 hours for a minor. Please refer to the College of Education for certification requirements.

+ Electives may include CHM 441 or CHM 442, EGN 211, or EGN 312.

MINOR REQUIREMENTS — BIOPHYSICAL SCIENCE

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO —	Biology Elective	4 hours
PED 335	Kinesiology	3 hours
— —	Physics/Chemistry Electives (must be Upper Division, excluding PHY/CHM 480, PHYCHM 396)	6 hours
Total Minor Hours		21 hours

MINOR REQUIREMENTS — * SCIENCE TEACHING

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
CHM 101	Introduction to Chemistry	4 hours
PHY 101	Introduction to Physical Science (4) OR	
PHY 111	General Physics (4)	4 hours
— —	Electives in Science (6 hours must be Upper Division)	8 hours
Total Minor Hours		24 hours

* Please refer to the College of Education for certification requirements. Elementary certification is required rather than secondary certification.

CHEMISTRY**CHM 101 4 hours**
Introduction to Chemistry

Every semester and every Summer. An introduction to the principles of chemistry designed for students without a strong background in science. Topics covered include a survey of the chemical and physical properties of elements and compounds, chemical reactions, chemical energetics, acids and bases, and chemical bonding. Three hours lecture, three hours lab. CHM 101R highly recommended as a concurrent course.

CHM 101R 1 hour
Introduction to Chemistry: Recitation

Every semester. Problem solving techniques as assistance for students taking Introduction to Chemistry (CHM 101). Must be taken with CHM 101 lecture. Two hours recitation.

CHM 113 4 hours
General Chemistry I

Every semester and every Summer. An exploration of the principles and practice of modern chemistry. Topics include the chemical and physical properties of elements and compounds, reaction stoichiometry, energetics; atomic and molecular structure. Three hours lecture, three hours lab. Prerequisite: MAT 121 or equivalent. CHM 113R highly recommended as a concurrent course.

CHM 113R 1 hour
General Chemistry I: Recitation

Every semester. Problem solving techniques as assistance for students taking General Chemistry I. Must be taken concurrently with CHM 113 lecture. Two hours recitation.

CHM 115 4 hours
General Chemistry II

Every semester and every Summer. Continuation of CHM 113. Topics include thermodynamics, kinetics, descriptive chemistry, analytical chemistry, electrochemistry, and nuclear chemistry. Three hours lecture, three hours lab. Prerequisite: CHM 113. CHM 115R highly recommended as a concurrent course.

CHM 115R 1 hour
General Chemistry II: Recitation

Every semester. Problem solving techniques as assistance for students taking General Chemistry II. Must be taken concurrently with CHM 115 lecture. Two hours recitation.

CHM 230 4 hours
Elementary Organic Chemistry

Every Spring. Survey of organic chemistry with emphasis on identification and reactivity of the most common functional groups. Three hours lecture, three hours lab. Prerequisites: CHM 101, or CHM 113 and CHM 115.

CHM 296 1 - 3 hours
Special Topics in Chemistry

On demand. To include topics at the introductory level.

CHM 314 5 hours
Analytical Chemistry

Every Fall. Survey of methods of chemical analysis based on reactions, physical properties, kinetics, and equilibrium using both chemical and instrumental techniques. Laboratory emphasizes developing skills in lab technique, data analysis, and effective communication of experimental results. Three hours lecture, six hours lab. Prerequisite: CHM 115.

CHM 331 4 hours
Organic Chemistry I

Every Fall. Systematic study of chemistry of carbon compounds. Topics include nomenclature, structure, synthesis, reactions, and analysis of aliphatic and aromatic compounds. Three hours lecture, three hours lab. Prerequisite: CHM 115. CHM 331R strongly recommended as a concurrent course.

CHM 331R 1 hour
Organic Chemistry I: Recitation

Every Fall. Problem solving techniques as assistance for students taking Organic Chemistry I. Must be taken concurrently with CHM 331 lecture. Two hours recitation.

CHM 332 4 hours**Organic Chemistry II**

Every Spring. Continuation of **CHM 331**. Topics include reaction mechanisms, kinetics, approaches to chemical synthesis, and quantitative analysis of organic compounds. Three hours lecture, three hours lab. Prerequisite: CHM 331. CHM 332R strongly recommended as a concurrent course.

CHM 332R 1 hour**Organic Chemistry II: Recitation**

Every Spring. Problem solving techniques as assistance for students taking Organic Chemistry II. Must be taken concurrently with CHM 332 lecture. Two hours recitation.

CHM 360 4 hours**Principles of Biochemistry**

Every Spring. Survey of the molecules essential to life, including proteins, carbohydrates, lipids, and nucleic acids. The relationship between chemical structures and biological function is emphasized. Three hours lecture, three hours lab. Prerequisites: CHM 230 or CHM 331, CHM 332.

CHM 396 2 hours**Chemistry Tutoring**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

CHM 399 1 - 4 hours**Practicum**

On demand. See page 30.

CHM 401 2 hours**Science Communication**

Every semester, (concurrent with **BIO 401**, and **PHY 401**). Study of how to gather, analyze, and communicate scientific information. Topics covered include survey of scientific literature, written communication skills, publishing research results, and oral presentation techniques. Prerequisite: Senior status, and chemistry major.

CHM 441 4 hours**Physical Chemistry I**

Fall, 1997, and alternate years. A study of the physical and chemical behavior of substances at the macroscopic and molecular levels. Topics include behavior of single substances and mixtures, thermodynamics, chemical reactions, and equilibria. Three hours lecture, three hours lab. Prerequisites: CHM 115, MAT 271.

CHM 442 4 hours**Physical Chemistry II**

Spring, 1998, and alternate years. Continuation of **CHM 441**. Topics include chemical kinetics, spectroscopy, atomic and molecular structure. Three hours lecture, three hours lab. Prerequisite: CHM 441 and MAT 272. MAT 272 may be taken concurrently.

CHM 450 3 hours**Inorganic Chemistry**

On demand. This course is designed to add depth and scope in the area of inorganic chemistry. Concepts such as group theory and inorganic reaction mechanisms will be introduced. Particular emphasis will be placed on current topics including bioinorganic chemistry, and solid state materials. Expanded discussions include molecular orbital diagrams of coordination complexes, non aqueous acid-base chemistry, and the use of Latimer diagrams to describe oxidation-reduction reactions. Three hours lecture. Prerequisite: CHM 332.

CHM 461 3 hours**Biochemistry I**

Fall, 1996, and alternate years. Study of the chemical basis for biological functions of living organisms. Topics include structure and function of proteins, carbohydrates, lipids, and nucleic acids. Three hours lecture. Prerequisite: CHM 332. Corequisite: CHM 463.

CHM 462 3 hours**Biochemistry II**

Spring, 1997, and alternate years. Continuation of **CHM 461**. Topics covered include molecular mechanism of genetics, biological energy production, and regulation of cell growth. Three hours lecture. Prerequisite: CHM 461. Corequisite: CHM 463.

CHM 463 1 hour**Biochemistry Laboratory**

Fall, 1996, Spring, 1997, and alternate years. Practical introduction to laboratory techniques used in preparation and analysis, functional studies of proteins, carbohydrates, lipids, and nucleic acids. Must be taken concurrently with either CHM 461 or CHM 462. Three hours laboratory.

CHM 480 3 hours**Methods of Teaching Chemistry in the Secondary School**

On demand. Methods of instruction, organization, and presentation of content in chemistry to secondary school students. Topics include curriculum, stockroom organization, laboratory safety and liability, visual aid preparation, computer use in the chemistry classroom, and research issues in chemistry education. Two hours lecture, three hours lab. Prerequisite: CHM 115. May not be applied to chemistry major.

CHM 496 3 hours**Advanced Topics in Chemistry**

On demand. Study of chemical topics beyond the introductory level. Course topics may include polymers, computational chemistry, chemical synthesis, or spectroscopy. May be repeated for credit. Prerequisite: Instructor's approval.

CHM 497 1 - 4 hours**Internship**

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

CHM 498 1 - 6 hours**Research in Chemistry**

Every semester. A detailed study of one or more chemical problems. May be repeated for up to nine hours of credit. Prerequisite: Consultation with and instructor's approval.

CHM 499 1 - 4 hours**Independent Study**

On demand. See page 30.

ENGINEERING

EGR 100 4 hours**Introduction to Engineering**

On demand. An introduction to engineering design, computer analysis, group problem solving, and useful software packages. Modeling, optimization, and graphic documentation will also be examined. Two hours lecture, and 2-two hour recitation periods.

EGN 211 **Engineering Mechanics I: Statics** **3 hours**

On demand. Statics involves the study of forced systems, resultants, equilibrium, distributed forces, area moments, internal stresses and friction. Prerequisites: MAT 272, PHY 116.

EGN 312 **Engineering Mechanics II: Dynamics** **3 hours**

On demand. Dynamics involves the study of the kinematics of particles, translating and rotating coordinate systems, rigid body kinematics and energy/momentum principles. Prerequisite: EGN 211.

GEOLOGY

GLG 101 **General Geology** **4 hours**

Every Spring. An introduction to physical and historical geology with an emphasis on the geology of Arizona. The relation of geology to man's culture and economic development is stressed. Three hours lecture, three hours lab.

PHYSICS

PHY 101 **Introduction to Physical Science** **4 hours**

Every semester and every Summer. A survey of physical science emphasizing applications of physical science to modern life. Three hours lecture, three hours lab. PHY 101R highly recommended as a concurrent course.

PHY 101R **Introduction to Physical Science Recitation** **1 hour**

Every semester. Problem solving techniques as preparation for general physics or to enhance understanding for education majors. May be taken to replace the lab for pre allied health majors. Two hours recitation.

PHY 107 **Astronomy** **4 hours**

Every Fall. A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the non-science major; designed to develop an appreciation and understanding of the natural laws of the universe. Three hours lecture, three hours lab.

PHY 111 **General Physics I** **4 hours**

Every semester and every Summer. 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. Three hours lecture, three hours lab. Prerequisites: PHY 101 or equivalent, MAT 121 or equivalent, MAT 122 or equivalent. PHY 111R highly recommended as a concurrent course.

PHY 111R **General Physics I: Recitation** **1 hour**

Every Fall. Problem solving techniques aid students taking PHY 111. Taken in conjunction with PHY 111 lecture and lab. Two hours recitation.

PHY 112 **General Physics II** **4 hours**

Every semester and every Summer. Continuation of **PHY 111**. Topics covered include wave motion, electrostatics, optics, and magnetism. Three hours lecture, three hours lab. Prerequisite: PHY 111. PHY 112R highly recommended as a concurrent course.

PHY 112R **General Physics II: Recitation** **1 hour**

Every Spring. Problem solving techniques to aid students taking PHY 112. Taken in conjunction with PHY 112 lecture and lab. Two hours recitation.

PHY 115 **University Physics I** **4 hours**

Every Fall. Rigorous treatment of physical principles and concepts using mathematical descriptions based on calculus. Topics covered include mechanics, thermodynamics and wave motion. Three hours lecture, three hours lab. Prerequisite: MAT 271.

PHY 116 **University Physics II** **4 hours**

Every Spring. Continuation of **PHY 115**. Topics covered include electromagnetism, optics and quantum theory. Three hours lecture, three hours lab. Prerequisite: PHY 115.

PHY 211 **Engineering Mechanics I: Statics** **3 hours**

On demand. Also **EGN 211**. Statics involves the study of forced systems, resultants, equilibrium, distributed forces, area moments, internal stresses and friction. Prerequisites: MAT 272, PHY 116.

PHY 296 **Special Topics in Physics** **1 - 3 hours**

On demand. May include mechanics for engineers, new course designed to meet the engineering core requirements at Arizona State University. Also non-calculus-based electricity or electronics.

PHY 312 **Engineering Mechanics II: Dynamics** **3 hours**

On demand. Also **EGN 312**. Dynamics involves the study of the kinematics of particles, translating and rotating coordinate systems, rigid body kinematics and energy/momentum principles. Prerequisite: PHY 211.

PHY 361 **Introduction to Modern Physics** **3 hours**

Fall, 1996, and alternate years. Special relativity and introductory quantum theory with applications drawn from atomic, condensed matter, nuclear and high energy physics. Prerequisite: PHY 116 or instructor's approval.

PHY 396 **Physics Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

PHY 401 **Science Communication** **2 hours**

Every semester. Also **BIO 401**, and **CHM 401**. Study of how to gather, analyze, and communicate scientific information. Topics include survey of scientific literature, written communication skills, publishing research results, and oral presentation techniques. Prerequisites: Senior status, and physics major.

PHY 480 **3 hours**
Methods of Teaching Science in the Secondary School

On demand. Methods of instruction, organization, and presentation of content in teaching science. Two hours lecture, two hours lab. Prerequisite: CHM 115. May not be applied to chemistry major.

PHY 496 **1 - 3 hours**
Advanced Topics in Physics

On demand. Courses such as thermodynamics, material science, electricity and magnetism, biophysics, and electronics will be offered. May be repeated for credit. Prerequisite: Instructor's approval.

PHY 497 **1 - 3 hours**
Internship

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

PHY 498 **1 - 6 hours**
Research in Physics

Every semester. A detailed study of one or more physical problems. May be repeated for up to nine hours of credit, three of which may count toward electives in physics. Prerequisite: Consultation with and instructor's approval.

Samaritan College of Nursing

College Description	COLLEGE DESCRIPTION
College of Nursing Features	The Samaritan College of Nursing (SCON) is an integral part of Grand Canyon University, working closely with the College of Liberal Arts and Social Sciences and the College of Science and Allied Health. The curriculum leads to the degree of Bachelor of Science in Nursing, and is designed to assist the student to assess the individual, the family and communities, to utilize Functional Health Patterns within a variety of clinical settings, to formulate nursing diagnoses, plan nursing interventions and to function as a professional within the health care team. Emphasis is placed on both a strong academic foundation and nursing practice. Students have supervised clinical experiences in health care agencies within the metropolitan Phoenix area. The student is responsible for personal transportation and uniform expenses necessary for the nursing major. Students are also expected to reflect the stated purpose of Grand Canyon University while representing the nursing program in various clinical areas.
Degree Requirements	
Nursing	
Course Descriptions	

Students wishing admission to the College of Nursing must be first admitted to the University. Application to the College of Nursing is made during the semester prior to the semester in which the student intends to begin the nursing major. Applications for Fall admission are considered the previous Spring semester, and applications for Spring admission are considered during the previous Fall semester. Application packets for the College of Nursing are available through the University Bookstore. The application process requires a completed application form, health history and physical examination, drug screen, an interview, three letters of recommendation, successful completion of both a mathematics examination given by the College of Nursing and the University's Writing Proficiency Examination, and satisfactory completion of nursing prerequisite coursework. Students may apply during their last semester of prerequisite coursework; however, all prerequisites and admission requirements must be completed prior to beginning the nursing major courses. Acceptance into the Samaritan College of Nursing is determined by the College of Nursing faculty upon the recommendation of the Student Affairs Committee and the availability of sufficient clinical spaces. Applicants who have completed their prerequisites at Grand Canyon University are given priority in consideration for admission into the College of Nursing. A cumulative grade point average (GPA) of 2.50 and a GPA of 2.80 in prerequisite courses are the recommended minimum GPAs for admission to the nursing program. Admission to Grand Canyon University does not guarantee acceptance into the Samaritan College of Nursing program.

Graduation from the nursing program requires successful completion of the prerequisite coursework, sequential nursing coursework and all general studies. Students must maintain a 2.50 GPA in required nursing major coursework in order to progress and complete the curriculum. Students are referred to the *SCON Student Handbook* for more detailed information on progression through the nursing major.

The Registered Nurse licensing requirements are the exclusive

responsibility of the State Board of Nursing (Nurse Practice Act, A.R.S. Sections 32-1601 et. seq.), and must be satisfied independently of any requirements for graduation from the University. The baccalaureate program is approved by the Arizona State Board of Nursing and accredited through the National League for Nursing. The College is a member of the American Association of Colleges of Nursing and a charter member of the Western Institute of Nursing.

COLLEGE OF NURSING FEATURES

FACULTY

The courses are taught by Master's- or Doctoral-prepared experienced faculty, at a faculty-to-student ratio of 1:8 to 1:10 in the clinical setting.

CLINICAL EMPHASIS

Nursing practice in the clinical setting begins during the first semester of the nursing curriculum. Usually this is during the second semester of the sophomore year. During the last two years of study, students spend approximately 18 - 24 hours per week in a clinical experience learning to apply theory in patient care situations.

PRACTICUM IN NURSING

This last course in the program is designed to assist the student in role transition and in gaining confidence in a specialty area. In this course, students may select from many practice areas such as emergency department, intensive care, labor and delivery or community health.

EMPLOYMENT OPPORTUNITIES

Development of a resumé and interview skills are part of the senior studies. Historically, seniors have been recruited actively by local hospitals prior to graduation. Agencies frequently contact the College of Nursing to recruit students for employment over the summers or holidays.

NURSING SCHOLARSHIPS

Financial Aid processing and advisement is available through the University's Office of Financial Aid. Nursing students may be eligible for Pell Grants, Supplemental Loans, the

Guaranteed Student Loan Program, College Scholarships, Academic Scholarships and agency tuition reimbursement programs. Designated funds are allocated for nursing students based upon previous academic work and financial need. Prenursing scholarships available to high school seniors, transfer and returning students. Contact the College of Nursing for more information.

SPIRITUAL EMPHASIS

A recognition of the spiritual needs of all persons is included as an integral part of caring for one's self and others. The spiritual dimension is integrated into each nursing course throughout the curriculum. A required ethics course provides an opportunity to develop an ethical approach within a Christian framework to one's future professional role.

LOCATION

The University is located in metropolitan Phoenix with access to a variety of acute care and community-based clinical agencies. Prominent among the acute care facilities in which students have their clinical experiences are Good Samaritan Regional Medical Center, Maryvale Samaritan Medical Center, Thunderbird Samaritan Medical Center, Phoenix Baptist Hospital, John C. Lincoln Medical Center and Phoenix Children's Hospital.

DEGREE REQUIREMENTS — NURSING (B.S.N. Degree; No Minor Required)

PRESCRIBED LIBERAL ARTS FOUNDATION FOR THE SAMARITAN COLLEGE OF NURSING

I. Biblical Understanding: 6 hours

BIB 101 or BIB 113 Old Testament Survey/History (3) and
BIB 102 or BIB 123 New Testament Survey/History (3)

OR

One of the above courses (3) and
UNV 204 Faith and Living: Issues for the 21st Century (3)

II. Written Communication: 3 - 6 hours

Pass the Writing Proficiency Examination* and
ENG 101 Academic Writing* (3) and
ENG 102 Research Writing* (3)

OR

ENG 103 Honors English (3)*

III. Fine Arts: 3 hours

Art, Music, or Theatre

IV. Social Sciences and Humanities: 15 hours

HIS — Any History course
PSY 101 General Psychology* (3)
PSY 341 Lifespan Development* (3)
SOC 101 Introduction to Sociology* (3)
PHI 329 Biomedical Ethics (3)

V. Science and Healthful Living: 22 hours

BIO 201 Human Anatomy and Physiology I* (4)
BIO 202 Human Anatomy and Physiology II* (4)
BIO 205 Microbiology* (4)
BIO 308 Pathophysiology* (3)
CHM 101 Introduction to Chemistry* (4) (with Lab)
NUR 204 Applied Nutrition* (3)

VI. Mathematics: 6 hours

MAT 120 Intermediate Algebra (3)
PSY 363 Introduction to Probability and Statistics (3)

I. Computer Applications: 1 hour

CAM 180A Word Perfect (1)

VIII. Electives 4 hours

Choose from any University area (4)

Total P.L.A.F. requirements: 63 hours

* These courses are prerequisites for the Nursing Program and must be completed prior to the Nursing Major.

PREREQUISITES FOR NURSING

(Included in P. L. A. F. for the Samaritan College of Nursing)

BIO 201	Human Anatomy and Physiology I (With Lab)	4 hours
BIO 202	Human Anatomy and Physiology II (With Lab)	4 hours
BIO 205	Microbiology	4 hours
BIO 308	Pathophysiology	3 hours
CHM 101	Introduction to Chemistry (With Lab)	4 hours
ENG 101	Academic Writing	3 hours
ENG 102	Research Writing	3 hours
NUR 204	Applied Nutrition	3 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours
SOC 101	Introduction to Sociology	3 hours

Total 37 hours

NURSING MAJOR REQUIREMENTS

NUR 203	Introduction to Pharmacology	3 hours
NUR 206	Introduction to Nursing and Gerontology	6 hours
NUR 207	Therapeutic Communication	2 hours
NUR 209	Health Assessment	4 hours
NUR 311	Adult Health Nursing I	8 hours
NUR 312	Adult Health Nursing II	4 hours
NUR 313	Care of the Childbearing Family	6 hours
NUR 314	Family Centered Child Health Nursing	6 hours
NUR 398	Research in Nursing	2 hours
NUR 411	Community Health Nursing	5 hours
NUR 412	Home Health Care Nursing	3 hours
NUR 413	Community Mental Health Nursing	5 hours
NUR 443	Management and Leadership	6 hours
NUR 446	Trends in Nursing	2 hours
NUR 498	Practicum in Nursing	3 hours

Total 65 hours

TOTAL REQUIREMENTS FOR B.S.N. GRADUATION

128 hours

NURSING

NUR 203 3 hours Introduction to Pharmacology

Every semester. Introduction to Pharmacology has a twofold purpose. The first purpose is to introduce basic pharmacological concepts and drug groups. These concepts include drug action, legal considerations and evaluation of drug therapy. Physiological, psychological and socio-cultural concepts related to drug therapy will also be presented. The second purpose of the course is to provide the pharmacological foundation necessary for safe administration of drugs, monitoring the effects of therapy, and teaching clients about medications. The course is open to non-nursing majors. Prerequisite: BIO 201, BIO 202, BIO 308.

NUR 204 3 hours Applied Nutrition

Every semester. Applied Nutrition provides a foundation of basic nutrition theory. The focus will be on assessment, food components, exercise and nutrition, weight control, community programs and resources. Application of these aspects are used to promote health and prevent illness. The course is open to non-nursing majors.

NUR 206 6 hours Introduction to Nursing and Gerontology

Every semester. Introduction to Nursing and Gerontology emphasizes competence in nursing skills. Functional health patterns are used as the basis for assessment and nursing care of adult clients with emphasis on the aged. Communication, teaching, helping, problem solving, and leadership skills are introduced and applied as a framework for clinical practice. Prerequisite: Admission to the College of Nursing.

NUR 207 2 hours Therapeutic Communication

Every semester. Therapeutic Communication focuses on the development of theoretical knowledge and interpersonal skills needed to interact effectively with clients in a variety of health care settings. Prerequisite: Admission to the College of Nursing.

NUR 208 3 hours Living with Loss

Every Summer. Living with Loss is designed to increase the awareness of loss-grief experiences by exploration of bereavement behavior and coping skills as provided by Kubler-Ross, Garfield and Engle and Leming. Content includes case studies, field trips, experiential sharing, films and reading. The course is open to non-nursing majors.

NUR 209 4 hours Health Assessment

Every semester. Health Assessment addresses the collection, validation and communication of data basic to adult health assessment. An emphasis on methods of data collection combines health history and physical assessment with supervised laboratory practice, and selected diagnostic and screening tests. Prerequisite: Admission to the College of Nursing.

NUR 311 8 hours Adult Health Nursing I

Every semester. Adult Health Nursing I focuses on nursing care of adult hospitalized clients. Emphasis is placed on the identification of nursing diagnoses and interventions for clients with acute, chronic, or terminal illness. The course comprises the first 10 weeks of the second semester of the nursing curriculum. Prerequisites: NUR 203, NUR 206, NUR 207, and NUR 209.

NUR 312 4 hours Adult Health Nursing II

Every semester. Adult Health Nursing II focuses on nursing care of clients in the critical care setting in collaboration with health team members. Emphasis is placed on analysis and management of critically ill clients experiencing a life-threatening crisis. The course comprises the last five weeks of the second semester of the nursing curriculum. Prerequisite: NUR 311.

NUR 313 6 hours Nursing Care of the Childbearing Family

Every semester. Nursing Care of the Childbearing Family focuses on planning for health promotion in the normal and high risk childbearing family. Emphasis is placed on family education, use of community resources, and advocacy of alternatives to promote positive outcomes during the childbearing phase of family development. Prerequisites: NUR 311, NUR 312.

NUR 314 6 hours Family Centered Child Health Nursing

Every semester. Family Centered Child Health Nursing integrates theories from nursing, child development and family development. These concepts are related to the planning of care for children, adolescents and their families who are well or experiencing acute or chronic illnesses. Emphasis is placed on teaching and on community resources related to the child-rearing family. Prerequisites: NUR 311, NUR 312.

NUR 398 2 hours Research in Nursing

Every semester. Research in Nursing promotes research as a framework for analysis of clinical practice. Quantitative and qualitative research methodologies are presented. Emphasis is placed on the critical review of research and application to nursing practice. Prerequisite: PSY 363.

NUR 411 5 hours Community Health Nursing

Every semester. Community Health Nursing focuses on community assessment and intervention with vulnerable groups and communities. Emphasis is placed on critical analysis, using epidemiological data and functional health patterns to plan and intervene in areas of health promotion, screening and rehabilitation with community groups. Prerequisites: NUR 313, NUR 314.

NUR 412 3 hours Home Health Care Nursing

Every semester. Home Health Care Nursing focuses on the nursing care of acutely, chronically, and terminally ill clients of all ages and their families. Emphasis is placed on the integration of environmental, psychosocial, economic, cultural, personal, and family health concepts in the home setting. Creative problem solving which enables a family to care for their family member's health needs is a significant element of this fundamental course. Prerequisites: NUR 313, NUR 314.

NUR 413 5 hours Community Mental Health Nursing

Every semester. The Community Mental Health Nursing course is focused on providing nursing care at the primary, secondary, and tertiary levels of mental health intervention. Emphasis is placed on community screening, crisis intervention and rehabilitation teaching with families and client groups. Concepts of environment, group process, family therapy and interdisciplinary collaboration are integrated with bio-psychosocial, spiritual, and cultural aspects of mental health nursing practice. Prerequisites: NUR 313, NUR 314.

NUR 443 **6 hours**
**Management Concepts
and Leadership Behavior in Nursing**

Every semester. Management Concepts and Leadership Behavior in Nursing are presented as expected roles in today's changing health care agencies. Emphasis is placed on the interdisciplinary approach to planning nursing care for groups using selected standards. The course includes an examination of professional development and peer collaboration. Prerequisites: NUR 411, NUR 412, NUR 413.

NUR 446 **2 hours**
Trends and Issues in Nursing

Every semester. Trends and Issues in Nursing explores the numerous professional and societal forces which impact health care policy and practice. Content includes analysis of manpower studies, nursing leaders, policy and position statements, political and cultural issues, and changing nursing roles and licensure. Prerequisites: NUR 411, NUR 412, NUR 413.

NUR 497 **1 hour**
Preparation for Licensure

Every semester. This course focuses on preparation for the registered nurse licensure examination. The student is assisted to assess learning needs and develop personal strategies to become successful on the professional examination. The computer review, test preparation materials and standardized testing methods are utilized to facilitate individual development. Prerequisites: NUR 411, NUR 412, NUR 413 and concurrent enrollment in NUR 498.

NUR 498 **3 hours**
Practicum in Nursing

Every semester. Practicum in Nursing provides a selected clinical experience to optimize the transition to a professional career. Nursing areas are chosen according to preceptor availability and student focus. A faculty member assists in planning, implementing and evaluating the learning experience. Prerequisite: NUR 411, NUR 412, NUR 413.

Personnel

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President,
Arizona Southern Baptist Convention

* Eligible for re-election

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SUZAN KIEBORZ

Administrative Assistant to the President of Grand Canyon University Foundation

GRAND CANYON UNIVERSITY FACULTY

The list of Faculty is in alphabetical order by the faculty member's name.

JOE BAIRD

Professor of Christian Studies
B.A., *Grand Canyon College*; M.Div., Ph.D., *Southwestern Baptist Theological Seminary*

ROBIN BAKER

Associate Professor of History
B.A., *Grand Canyon University*; M.A., *Hardin-Simmons University*; Ph.D., *Texas A & M*

WILLIAM "PERRY" BAKER

Assistant Professor of Biology
B.S., *University of Washington*; M.Ed. *Grand Canyon University*; Ph.D., *Arizona State University*

WILLIAM LARRY BARRON III

Professor of Psychology
B.A., *Rice University*; M.A., Ph.D., *University of Texas at Austin*

SCOTT BEESLEY

Assistant Professor of Reading Education
B.A., *Oklahoma Baptist University*; M.A., *East Texas State University*; Ed.D., *East Texas State University*

ARLENE BESORE

Instructor of Art
B.F.A., *Arizona State University*

JOAN BRANDYBERRY

Associate Professor of Decision Sciences
B.S., *University of Illinois*; M.B.A., *Eastern Illinois University*; D.B.A., *Southern Illinois University*

PAUL BRIDGEMAN

Instructor of Theatre
B.S., *Ohio University*

BERT CHAMBERLAND

Professor of Chemistry
A.B., *St. Anselm's College*; M.S., *Holy Cross College*; Ph.D., *University of Pennsylvania*

CARY D. CHEVALIER

Assistant Professor of Biology
B.S., M.S., *Arizona State University*; Ph.D., *University of California, Irvine*

JUDIE COCHRAN

Assistant Professor of Marketing
B.S., *Westmont College*; M.S., Ed.D., *Northern Illinois University*

WILLIAM A. COGHLAN

Professor of Physics
B.S., *Montana College of Mineral Science and Technology*; M.S., Ph.D., *Stanford University*

STANLEY COPPINGER

Instructor of English
B.A., *Biola University*; M.A., *Tarleton State University*

SHEILA CORLEY

Chair, Department of Music
Associate Professor of Music
B.S., *Grand Canyon College*; M.M., *Arizona State University*; D.M.A. Candidate, *Arizona State University*

BETH DAWKINS

Assistant Professor of Mathematics
B.S., *Grand Canyon College*; M.Ed., *Arizona State University*; Ph.D. Candidate, *Arizona State University*

ESMERALDA DELANEY

Artist-In-Residence
B.A., M.A., *Arizona State University*; M.F.A., *Texas Tech University*

BARBARA DICKERSON

Dean, College of Liberal Arts and Social Sciences
Associate Professor
B.S., *Grand Canyon College*; M.A., Ph.D., *Arizona State University*

B. DIANNE DINKEL

B.S., *Grand Canyon College*; M.B.A., *Arizona State University*; Ed.D. Candidate, *Northern Arizona University*

CHERYL DOAN

Assistant Professor of Music
B.S., M.M., *University of North Texas*

LESLIE DODRILL

B.S., *Grand Canyon College*; M.R.E., *Southwestern Baptist Theological Seminary*; Ph.D., *University of North Texas*

STEPHEN T. DONOHUE

Professor of Psychology
B.A., M.A., Ed.D., *New Mexico State University*

DEBORAH ERMOIAN

Assistant Professor of Mathematics
B.S., *Grand Canyon University*; M.Ed., *Arizona State University*; Ph.D. Candidate, *Arizona State University*

JUDY EROE

Instructor of German
B.A., *University of Northern Colorado*; M.A., *Arizona State University*

PHILIP FERNANDEZ

Chair, Department of Biology
Associate Professor of Biology
B.S., M.S., *Arizona State University*; Ph.D., *University of Arizona*

MARY KAY FLYNN

Associate Professor of Nursing
B.S.N., *University of Evansville*, M.A., *University of Iowa*; D.N.Sc. Candidate; *University of San Diego*

JEAN FOOTE

Associate Professor of Nursing
B.S.N., M.S., *University of Minnesota*

BETZ FREDERICK

Associate Professor of Education
B.S., *California State University*; M.Ed., *University of Sydney*;
Ph.D., *University of Illinois*

CHARLES W. GAINES

Dean, College of Christian Studies
Assistant Professor of Christian Studies
B.M. Ed., *Mercer University*; M.R.E., *Midwestern Baptist Theological Seminary*; Ed.D., *New Orleans Baptist Theological Seminary*

TREVA KAY GIBSON

Director, International Relations and EASE program
B.S., *Southern Illinois University-Carbondale*; M.ED., *University of Missouri-St. Louis*; Ed.D., *Arizona State University*

ELIZABETH GILBERT

Associate Professor of Nursing
B.S., *Union College*; M.S., *Loma Linda University*; Family Nurse Practitioner, *Arizona State University*

CHERYL GLENNON

Associate Professor of Nursing
B.S., *Worcester State College*; M.S., *Arizona State University*;
D.N.Sc. Candidate, *University of San Diego*

BARRY GRAHAM

Associate Professor of Mathematics
B.A., *Pacific Union College*; M.A., Ph.D., *University of California*

RONALD GRAHAM

Assistant Professor of Education
B.A., *Coe College*; M.A., *Northeast Missouri State University*;
Ed.D., *University of Missouri - Columbia*

RICHARD HAMILTON

Instructor of Martial Arts
B.S., M.Ed., *Grand Canyon University*

PAUL E. HARPER

Assistant Professor of Physics
B.S., *Hope College*; M.S., *Princeton University*; Ph.D. Candidate, *Princeton University*

MARY J. A. HARRIS

Chair, Department of Physical Sciences
Assistant Professor of Physics
B.Sc., *University of Southampton, U. K.*; M.Sc., *University of Reading U. K.*

DOUG HAWKINS

Director of the Center for Global Business
B.A., M.P.A., *Golden Gate University*

JAMES P. HELFERS

Assistant Professor of English
B.A., *Wheaton College*; M.A., Ph.D., *University of Michigan - Ann Arbor*

BARBARA HOFFMAN

Associate Dean of the College of Liberal Arts and Social Sciences
Professor of History
Chair, Department of Humanities and Social Studies
B.S., M.A., *Central Missouri State*; Ph.D., *University of Colorado*

PATTY J. HORN

Dean, College of Education
Professor of Education
B.S., *University of Oklahoma*; M.A., *Northern Arizona University*;
Ed.D., *Arizona State University*

J. PENNY ILES

Associate Professor of Nursing
B.S.N., *Marian College*; M.S., *University of Minnesota*; N.S.G. Specialist degree, *University of Arizona*

JUDITH JOHNSTON

Assistant Professor of Performing Arts
B.S., *Grand Canyon College*; M.C.M., *Southwestern Baptist Theological Seminary*

JOANNA JONES

Assistant Professor of Education
B.S., *University of South Dakota*; M.A., *University of New Mexico*; Ed.D., *Arizona State University*

ROB JONES

Director of M.B.A. Program
Professor of Management
B.A., *University of Arizona*; M.A., Ph.D., *Arizona State University*

THOMAS'R. JONES

Assistant Professor of Biology
B.S., M.S., *Auburn University*; Ph.D., *Arizona State University*

JERRY T. JUSTUS

Professor of Biology
A.B., *Franklin College*; M.A., Ph.D., *Indiana University*

LYNN KARNS

Instructor of Journalism/Photography
B.S., *Florida State University*; M.S., *Arizona State University*

PAMELA GAIL KIRKWOOD

Assistant Professor of Mathematics
B.S., *Baylor University*; M.Ed., *Southwest Texas State University*;
Ph.D., *University of Texas at Austin*

ED KNECHT

Associate Professor of Accounting
B.S., *Northern Arizona University*; M.B.A., *Arizona State University*; C.P.A.

WILLIAM KUEHL

Chair, Department of Health and Exercise Science
Assistant Professor of Exercise Science
Athletic Training Director
B.A., *Augustana College*; M.S., *University of Illinois*

DANIEL W. LANDES

Professor of English
 B.S., Minot State University; M.S., Bemidji State University;
 Ph.D., University of North Dakota

LABETH M. LARSON

Assistant Professor of Chemistry
 B.S., Ph.D., Arizona State University

BARBARA DAWN LATTA

Director of Field Services, College of Education
 Associate Professor of Education
 B.S. Ed., University of Georgia; M.Ed., Georgia State University;
 Ed.D., University of Georgia

JUDY S. LIVELY

Professor of Music
 B.M., Texas Christian University; M.M., Southern Methodist
 University; D.M.A., University of North Texas

JOE LLOYD

Assistant Professor of Music
 Director of Instrumental Ensembles
 B.S., M.A., Northern Arizona State University; Ph.D. Candidate,
 Arizona State University

CHARLES MAXSON

Vice President for Academic Affairs
 Professor of Sociology
 B.A., Westmont College; M.A., Ph.D., University of California at
 Los Angeles

JL McELLIGOTT

Instructor of Laboratory Sciences
 B.S., Boston College; M.B.A., Villanova University; Ph.D.,
 University of South Carolina

BRIAN R. McGUIRE

Associate Professor of Chemistry
 B.S., University of Wisconsin-LaCrosse; Ph.D., Washington State
 University

BRIAN MILLER

Assistant Professor of Music
 B.M.E., Texas Christian University; M.M., Southwest Texas State
 University; D.M.A. Candidate, Arizona State University

ERDIE MORRIS

Dean, College of Science and Allied Health
 Professor of Biology
 B.S., M.A., Arizona State University; M.P.H., University of
 California - Berkeley; Ph.D., Purdue University

CHUCK MORRISON

Assistant Professor of Church Music
 B.S., Grand Canyon College; M.M., Northern Arizona University;
 Ed.D., Arizona State University

DEANNA MURRAY

Assistant Professor of Voice
 M., M.M., Arizona State University; D.M.A. Candidate,
 University of Arizona

JON MURRAY

Instructor of Music
 B.M., M.M. Candidate, Arizona State University

SHIRLI OVERTON

Assistant Professor of Humanities and Social Sciences
 B.A., Grand Canyon University; M.A., Arizona State University

PAUL PAIGE

Professor of Music
 B.M., Boston University; M.M., Northwestern University; Ph.D.,
 Boston University

MARIA PAPADOPOL

Associate Professor of Spanish Language
 Assistant in the Dynamical Systems Laboratory
 M.A., University of Bucharest, Romania; Ph.D., State University
 of New York at Albany

PETRU PAPADOPOL

Professor of Mathematics
 Director of Dynamical Systems Laboratory
 M.S., Ph.D., University of Bucharest, Romania

STERLING PARKIN

Instructor of Laboratory Sciences
 B.S., Grand Canyon University

RAY PAVLICK

Assistant Professor of Biology
 B.S., Ph.D., University of California - Davis

BETHYL PEARSON

Associate Professor of Education
 B.A., Albion College; M.Ed., Wright State University; M.A.,
 Ph.D., Michigan State University

CLAUDE N. PENSIS

Chair, Department of Theatre/Drama
 Professor of Theatre
 B.S., University of Wisconsin - Oshkosh; M.F.A., University of
 Wisconsin - Madison

ELLEN POOLE

Assistant Professor of Nursing
 B.S.N., Creighton University; M.S., Arizona State University

CATHY POPLIN

Instructor of Education
 B.S., Grand Canyon University

LORI POTTER

Instructor of Laboratory Sciences
 B.A., Grand Canyon University

JANE PRESTON

Associate Professor of Business
 B.B.A., West Texas State College; M.B.A., West Texas State
 University

DENNIS PROFFITT

Professor of Finance
 B.S., Central Missouri State; M.B.A., Bradley University; Ph.D.,
 St. Louis University

SANDRA REHLING

Associate Professor of Physical Education
B.A., Jamestown College; M.S., South Dakota State University;
Ph.D. Candidate, Arizona State University

CHERYL ROAT

Associate Professor of Nursing
B.S.N., Olivet Nazarene University; M.S.N., University of
Missouri - Columbia

W. KAYE ROBINSON

Dean, College of Communications and Fine Arts
Professor of Speech
B.S., Grand Canyon College; M.A., Ed.D., Arizona State
University

M. EDWARD ROWE

Professor of Sociology
B.S., M.S., Ph.D., North Texas State University

GLORIA SCHMIDT

Assistant Professor of Nursing
B.S., Northern Illinois University; M.N., University of Florida

DON R. SHERIFF

Dean, College of Business
Professor of Management
B.S., M.S., Northern Illinois University; Ph.D., University of Iowa

JEANNE SIEBENMAN

Associate Dean for Graduate Studies, College of Education
Professor of Education
B.A., M.A., Ed.D., Arizona State University

ANNE SMITH

Professor of Accounting
B.S., Eastern Illinois University; M.B.A., Illinois Benedictine
College; Ed.D., Northern Illinois University; C.M.A.

FRANCES SMITH

Associate Professor of English
B.A., Baylor University; M.R.E., Southwestern Baptist Theological
Seminary; M.A., University of Texas; Ph.D., Georgetown
University

BEVERLEY SPITLER-SIDABRAS

Associate Professor of Justice Studies
B.S., Grand Canyon College; M.S., Arizona State University;
Ed.D. Candidate, Nova Southeastern University

BILL TALBOYS

Dean, College of Continuing Studies
B.S., University of Wisconsin; M.B.A., Regis University; Ph.D.,
Colorado State University

MARK A. TAYLOR

Vice President for Program Development
Professor of Biology
B.S., Arizona State University; Ph.D., Purdue University

MARTHA TAYLOR THOMAS

Professor of Public Administration
B.S. in B. and P.A., University of Missouri; Juris Doctorate,
Arizona State University

LORNA THURMAN

Associate Professor of Business
B.A., Westmont College; M.B.A., National University, San Diego;
D.B.A., U. S. International University, San Diego

TIM TIMMERMAN

Chair, Department of Art
Assistant Professor of Art
B.A., Biola University; M.F.A., Washington State University

MYRON TRANG

Professor of Education
B.S. Ed., Montana State University; M.Ed., West Texas State
University; Ed.D., Washington State University

MARJORIE VANDERLINDEN

Associate Professor of Nursing
B.S.N., Arizona State University; M.S.N., Texas Women's
University

MICHAEL VERDI

Assistant Professor of Educational Psychology
B.S., University of Notre Dame; M.S., Northwestern University;
Ph.D., Arizona State University

KIMBERLY J. WELDON

Instructor of Biology
B.S., Grand Canyon University; Ph.D. Candidate, University of
Göddöllö, Hungary

BILL R. WILLIAMS

President
Professor of Mathematics
B.S., Grand Canyon College; M.A. in Ed., Arizona State
University; M.A., University of Illinois; Ed.D. in Mathematics,
Arizona State University

JENNIFER WILSON

Dean, Samaritan College of Nursing
B.S.N., B.A., University of Minnesota; M.S., Russell Sage College;
Ed.M., Ed.D., Teachers College, Columbia University

DAVID A. WING

Professor of Chemistry
B.S., Wheaton College; Ph.D., Northwestern University

JIM WITHERSPOON

Associate Dean, College of Science and Allied Health
Professor of Biology
B.S., M.S., Ph.D., Purdue University

DANA YOST

Lecturer, College of Liberal Arts and Sciences
B.A., Grand Canyon University; M.A., Arizona State University

CLARK YOUNGBLOOD

Professor of Christian Studies
B.A., Hardin-Simmons University; M.Div., Ph.D., Southern Baptist
Theological Seminary

MARK ZEEMAN

Instructor of Music
B.M., Baylor University; M.M., University of Southern California;
D.M.A. Candidate, Arizona State University

Adjunct Personnel are used when their special abilities or experience would enrich the curriculum.

ND CANYON UNIVERSITY
PROFESSORS EMERITI

BETTY BECK

Professor Emeritus

Department of English and Modern Languages

B.A., De Pauw University; M.A., Ph.D., University of Oklahoma

J. NILES PUCKETT

Professor Emeritus

Department of Christian Studies

B.A., Mississippi College; L.L.B., Cumberland University; Th.M.,

Th.D., Southern Baptist Theological Seminary

Personnel

GRAND CANYON UNIVERSITY STAFF

- Jeanine Allison - Financial Aid Technician, Office of Financial Aid
- Victor Amuso - Heating/Air Conditioning and General Maintenance Serviceman, Environmental Services
- Kari Angwin - Administrative Assistant to the Dean, College of Christian Studies
- Laura Anthony, A.A. - International Program Coordinator, Center for International Education
- Lisa Baird - Accounts Payable Coordinator, Accounting Services
- Suella Baird - Technical Services Librarian, Fleming Library
- B. Keith Baker, B.S. - Director of Athletics, Intercollegiate Athletics
- Mari Basham - Director of Auxiliary Services, Accounting Services
- Marlene Bjornsrud - Assistant Director of Athletics, Intercollegiate Athletics
- John Bogatko, B.A. - Computer Specialist, Office of Academic Records
- Dawn Braman, M.L.S. - Fleming Library
- Dave Brazell - Golf Coach, Intercollegiate Athletics
- Don Browning, B.A., M.R.E. - Director of Church Relations, Student Development
- Judy Bruce, B.L.S. - Director of Housing, Student Development
- Louis Burdick - Director of Environmental Services
- Richard Burke - Custodian, Environmental Services
- Dawn Burnett, B.S. - Accounts Receivable Cashier, Business Office
- Jeremy Campbell, B.B.A. - Human Resources Specialist, Human Resources
- Pat Caramanna, B.S. - Assistant to the Dean, College of Continuing Studies
- Ann Cartwright - Office of Academic Records
- Laura Cary, B.S. - Financial Aid Counselor, Office of Financial Aid
- Ricky Chapman, B.S. - Security Officer, Security
- Sam Childers - Director of Security, Security
- Mark Conklin, B.A., M.Div. - Dean of Student Development, Student Development
- Lonne Daniels - Grounds Supervisor, Environmental Services
- Brent Davis, B.S. - Director of Academic Computing, Computer Center
- Lea Dean - Collections Coordinator, Collections
- Sharalyn DeBoer, B.B.A. - Senior Accountant, Accounting Services
- B. Dianne Dinkel, B.S., M.B.A. - Chief Financial Officer
- Leslie Dodrill, B.A., M.R.E., Ph.D. - Vice President for Student Affairs and Enrollment Management
- Melody Doorn - Nursing Faculty Secretary, Samaritan College of Nursing
- Petar Draskin - Head Soccer Coach, Intercollegiate Athletics
- Dave Edwards - Trainer, Intercollegiate Athletics
- Velvet Encinas - Secretary/Receptionist, Office of Admissions
- Maria Estrada - Custodian, Environmental Services
- James Farmer - Groundskeeper, Environmental Services
- Gina Farrar, B.A. - Evaluator Assistant, Office of Academic Records
- Keith Feldt, M.A. - Reference Librarian, Fleming Library
- June Fessenden, SPHR, B.S., M.A. - Director of Human Resources, Human Resources
- Deron Filip, B.A. - Sports Information Director, Intercollegiate Athletics
- Robert Fisher - Custodian, Environmental Services
- Betty Flaming - Administrative Assistant to the Dean, College of Education
- Michael Fontaine - Telecommunications Services Coordinator, Telecommunications
- Jori Ford, B.S. - Administrative Assistant to the Dean, College of Liberal Arts and Social Sciences
- Marsha Frieling - Accounts Receivable Cashier, Business Office
- June Furubotten - Accounts Receivable Cashier, Business Office
- Treva K. Gibson, B.S., M.Ed., Ed.D. - Director of Center for International Education and E.A.S.E. Program
- Norma Gomez - Custodian, Women's Residence Halls, Environmental Services
- Robert Gomez - Groundskeeper, Environmental Services
- Anna Gonnig - Custodian Environmental Services
- Carol Greenwalt - Administrative Assistant to the Dean, College of Business
- Patricia W. Groseclose, B.A. - Graphic Artist, The Communications Group
- Christi Gutshall, B.S. - Director of Piano Proficiency Program, College of Communications and Fine Arts
- M. Cheany Haberer, B.A., M.L.S. - Director of Library Services, Fleming Library
- Jean Hamann - Library Technical Assistant, Fleming Library
- Julie Hanks, B.S., M.S. - Head Women's Basketball Coach, Intercollegiate Athletics
- Allen Harris - Maintenance/Carpenter, Environmental Services
- Jennifer Heller, B.S. - Senior Financial Aid Counselor, Office of Financial Aid
- Carolyn Hinderliter - Assistant to the Vice President of Academic Affairs
- Cindy Holcomb, B.S. - Residence Hall Director, Student Development
- Donald Holleman - Mailroom Supervisor, Mail Center
- John Holleman, B.S. - Computer Word Processing and Graphic Specialist, College of Science and Allied Health
- Joyce Holleman - Administrative Assistant to the Dean, College of Science and Allied Health
- Cara Hollingsworth, B.A., B.S. - Accountant, Accounting Service
- Herbert Howard - General Utility Person, Environmental Services
- Janet Howard, B.A. - Executive Assistant to the President, Office of the President
- Michelle Howe - Collections Specialist, Collections
- Chad Howerton - Groundskeeper, Environmental Services
- Julia Hull, A.S. - Office Coordinator, Student Development
- Phyllis Ireland, B.S., M.S. - Faculty Secretary, College of Liberal Arts and Social Sciences
- Karin L. Jarman, B.S., M.Ed. - Assistant Director of Academic Records, Office of Academic Records
- Leda Johnson - Collections Specialist, Collections
- Richard Jinzo - Groundskeeper, Environmental Services
- C. Renee Jones, B.S. - Compliance Coordinator, Athletic Academic Counselor, Intercollegiate Athletics
- Norman Karsevar, B.S. - Assistant Men's Basketball Coach, Intercollegiate Athletics
- Jodi Kermode, B.S. - Assistant for Graduate and Undergraduate Studies, College of Education
- Suzan Kieborz - Administrative Assistant to the President of Grand Canyon University Foundation
- Gary Kilduff, M.A. - Director of Student Leadership Development, Student Development
- Quentin Kinnison, B.A. - Prospect/Applicant Specialist, Office of Admissions
- James Korakis, B.A. - Admissions Counselor, Office of Admissions
- Edward Krutul - Lead Custodian, Environmental Services
- Daniel W. Landes, B.A., M.A., Ph.D. - Coach, Cross Country, Intercollegiate Athletics

Chris LaRoche - Assistant Coach, Cross Country, Intercollegiate Athletics
 Karen Lash, B.A., M.P.A. - Admissions Counselor, Office of Admissions
 Lawless, A.S. - Human Resources Assistant, Human Resources
 Judy Lawson - Secretary/Receptionist, Environmental Services
 Gerri Layton, B.A. - Assistant for Field Services, College of Education
 Suzana Levario - Custodian, Women's Residence Halls, Environmental Services
 Theresa Lotz - Administrative Assistant to the Director of Admissions, Office of Admissions
 Jeffrey Lynch - Custodian, Environmental Services
 Jack Mabbitt - General Utility, Environmental Services
 Stephen March, B.A., M.A. - Dean of Enrollment Planning
 Linda Matousek - Accounts Receivable Manager, Business Office
 Charles Maxson, B.A., M.A., Ph.D. - Vice President for Academic Affairs
 Leighton McCrary, B.A., M.A. - Head Men's Basketball Coach, Intercollegiate Athletics
 Henry McGowan, A.A. - Library Technical Assistant, Fleming Library
 Darrell McGuire - Executive Director of Facilities Planning, Environmental Services
 Sharon McQueary, B.A., M.Ed. - Office Coordinator, Office of Academic Records
 Scott Miller - Electrician, Environmental Services
 Rachel Mohn - Administrative Assistant to the Dean, College of Communications and Fine Arts
 Deborah J. Morgan - Payroll Accountant, Accounting Services
 Morris, B.S. - Laboratory Technician, College of Science and Allied Health
 Ian Morrison, B.A. - Director of Learning Resource Center
 Anne Motley, B.A. - Faculty Secretary to Music Department, College of Communications and Fine Arts
 Kristin Naber, B.A. - Head Women's Volleyball Coach, Intercollegiate Athletics
 Cinda L. Nation - Administrative Assistant to the Vice President for University Relations
 Robert Norton, B.S., C.P.A. - Associate Vice President of Finance, Accounting Services
 Lisa Olona, B.S. - Assistant Women's Volleyball Coach, Intercollegiate Athletics
 Gregory Ostema, B.A. - Fine Arts Coordinator, College of Communications and Fine Arts
 Robert Overton - Maintenance, Environmental Services
 Carl G. Paetz, Jr., B.S., M.A., Ph.D. - Vice President for University Relations
 John Palmer, B.A. - Custodial Supervisor, Environmental Services
 Chip Parrott - Officer, Campus Security
 Chris Parrott - Officer, Campus Security
 Matthew Patterson, B.S. - Men's Residence Hall Director, Student Development
 Brenda Perrin - Head Cashier, Business Office
 Elizabeth Petty - Assistant Director of Financial Aid, Office of Financial Aid
 E. Gene Pickens, M.M. - Accompanying Coordinator, College of Communications and Fine Arts
 Jothly J. Plummer, B.S. - Director of Information Services
 April Polley, B.S.N., R.N.C., M.B.A. - Director of Health Services, Student Development

Michael Potter, B.S. - Assistant Academic Counselor, College of Science and Allied Health
 Cindy Rabenstine, B.A. - Assistant Director of Admissions, Office of Admissions
 Le'Ann Reyes, B.S. - Mathematics Department Coordinator, College of Liberal Arts and Social Sciences
 Ray Riveras - Building and Maintenance Supervisor, Environmental Services
 Joy Rutschman - Administrative Assistant to the Dean, Samaritan College of Nursing
 Rudy Sanchez, B.S. - Athletics Trainer, Intercollegiate Athletics
 Carol Sandvig, B.S. - Head Women's Tennis Coach, Intercollegiate Athletics
 Sue Anne Schmeling, B.S. - Degree Evaluation Coordinator, Office of Academic Records
 Carol Sharp - Data Entry Assistant, Office of Academic Records
 Joyce Shaul - Office Manager, Cooke Student Health Center
 Rosanna Short, B.S. - Director of Financial Aid, Office of Financial Aid
 Cleveland Smith - Custodian, Environmental Services
 Faith Smith, B.A., M.Div. - Assistant Director of the Center for International Education
 David Smith, B.S. - Security Officer, Security
 Vera Smith, B.S., C.P.A. - Controller, Accounting Services
 Dale Ann Spear, A.S., B.A., M.A. - Graduate Program Coordinator, Office of Academic Records
 Michael Springer, B.A., M.Ed. - Director of Career Planning and Student Employment Services, Student Development
 Gil Stafford, B.A.E., M.S. - Head Baseball Coach, Intercollegiate Athletics
 David Stapleton - Assistant Baseball Coach, Intercollegiate Athletics
 Marilee Sullivan - Office Coordinator, Office of Financial Aid
 April Szekeres, B.M., B.A. - Admissions Counselor, Office of Admissions
 Lori Thomas, PHR, B.S. - Assistant Director of Human Resources, Human Resources
 Martha Taylor Thomas, B.S., J.D. - Provost
 Aaron Thomason - Library Technical Assistant - Circulation, Fleming Library
 Chad Thornton - Security Officer, Security
 Carl Tichenor, B.S., M.Ed. - Director of Admissions, Office of Admissions
 Kimberly Tobey, B.A. - Director of Education Student Services, College of Education
 Pat Tobbe - Director of Dining Services
 Jon Van Sant - Groundskeeper, Environmental Services
 Kathleen Vestecka, B.A. - Library Technical Assistant, Fleming Library
 Steven Wade, B.S. - Systems Technician and Support Specialist, Computer Center
 Darissa Wallace, B.A. - Admissions Counselor, International Students, Office of Admissions
 Faith A. Weese, B.A., M.Ed. - Director of Academic Records/Registrar, Office of Academic Records
 Steven Weible - General Maintenance, Environmental Services
 Jaon West - Skills Lab Assistant, Samaritan College of Nursing
 Mark E. Whiten, B.S. - Director of Publications, The Communications Group
 Tim Wilke, B.S. - Assistant Women's Basketball Coach, Intercollegiate Athletics
 Robert Wilkins - Security Officer, Security
 Bill R. Williams, B.S., M.A., Ed.D. - President, Office of the President

R. Christy Williams, B.A. - Budget Manager, Accounting Services
Shirley Williams, B.A., M.A. - Assistant to the President, Office
of the President
Catherine Winter, A.A., B.A. - Credentials Evaluator, Office of
Academic Records
Rebecca Witherspoon, B.S., M.S. - Laboratory Coordinator,
College of Science and Allied Health
Ed Wolfe, B.S. - Assistant Baseball Coach, Intercollegiate Athletics
Shirley Wong, B.S.N., M.S.N. - Nursing Skills Laboratory
Coordinator, Samaritan College of Nursing
Elizabeth Yoder, B.A. - Costume Designer, College of
Communications and Fine Arts
Jeff Young, B.S. - Academic Counselor, College of Science and
Allied Health
Steven Zukowski - Security Officer, Security

A

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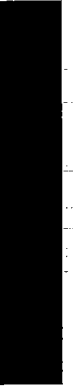
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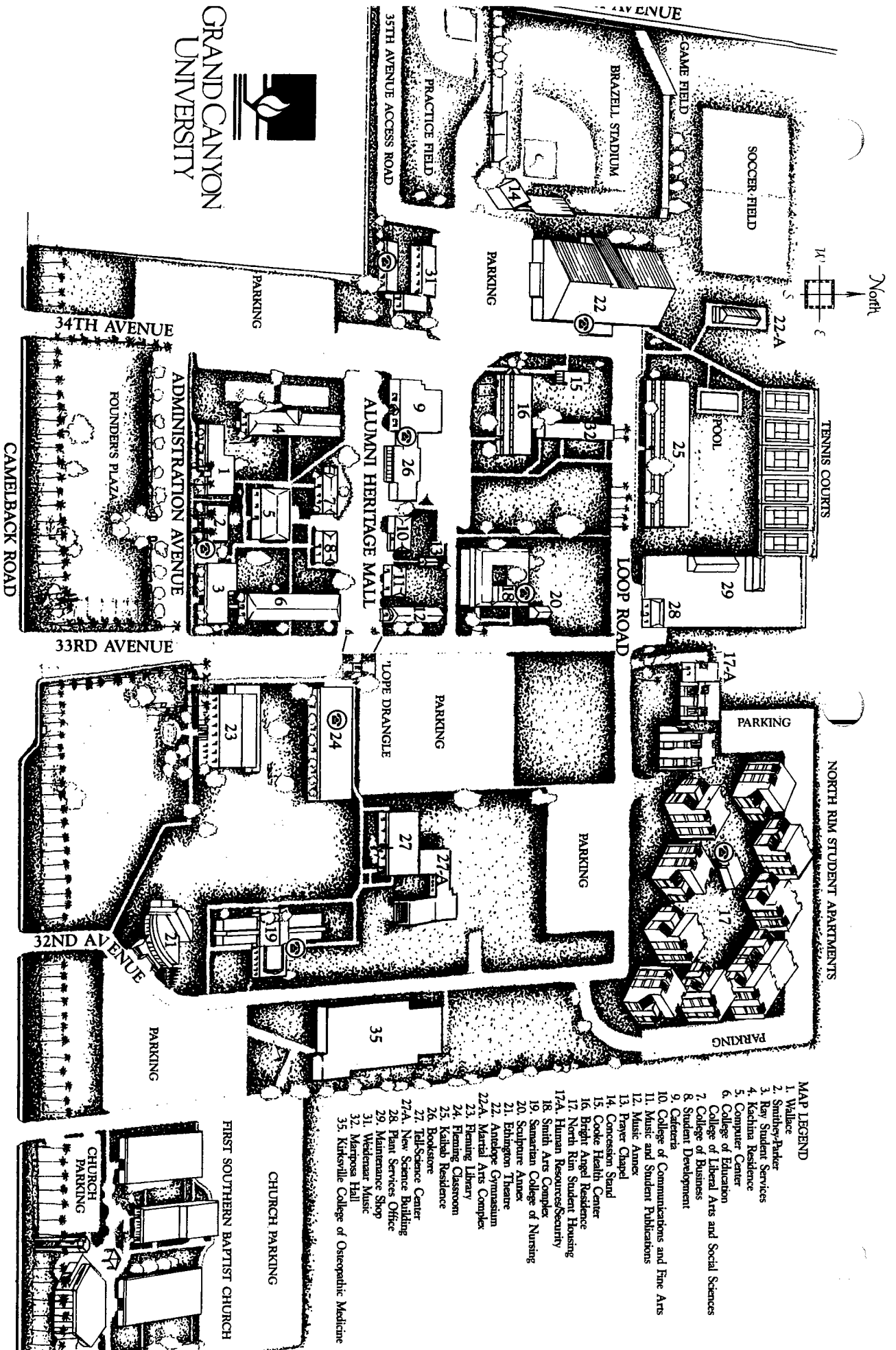
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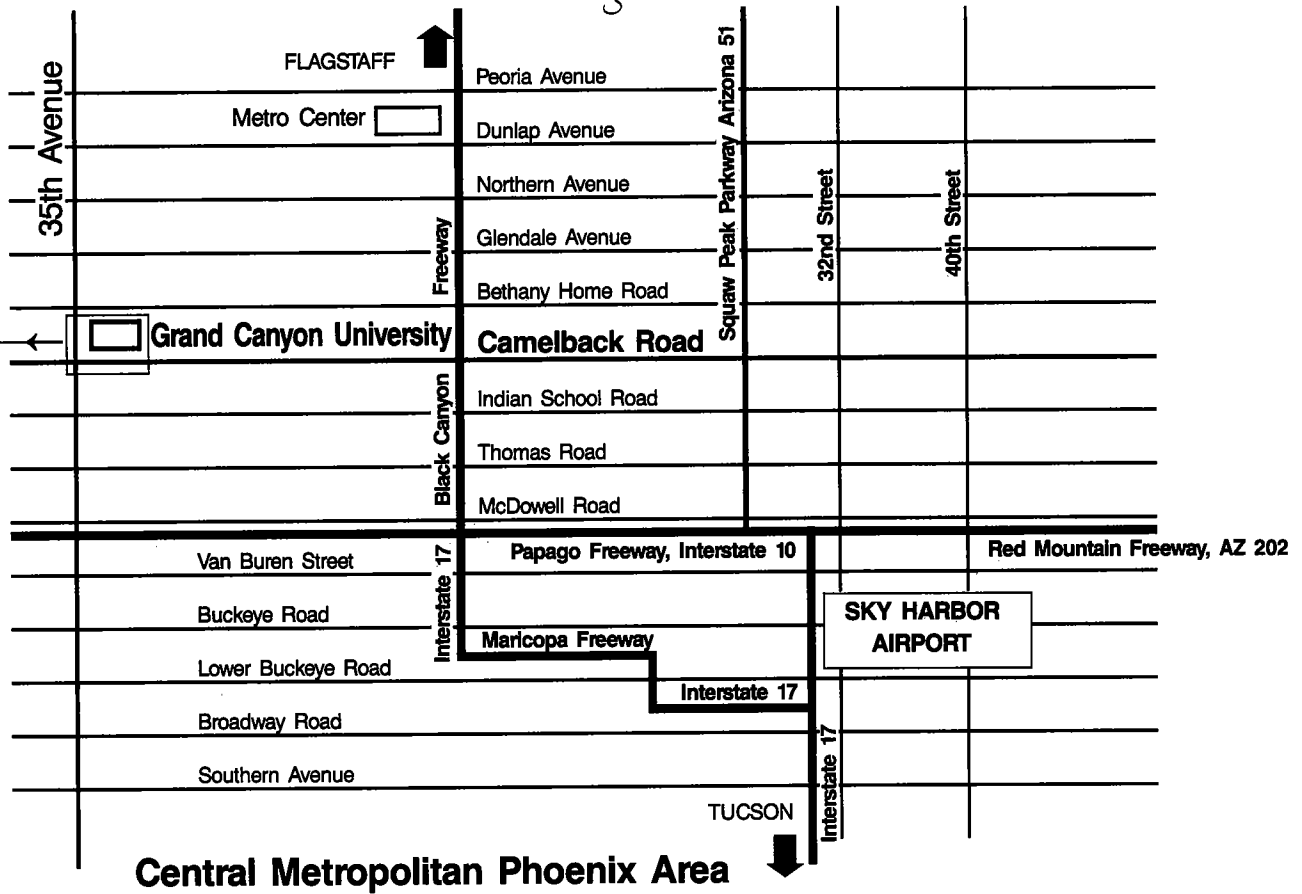
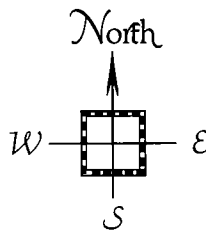
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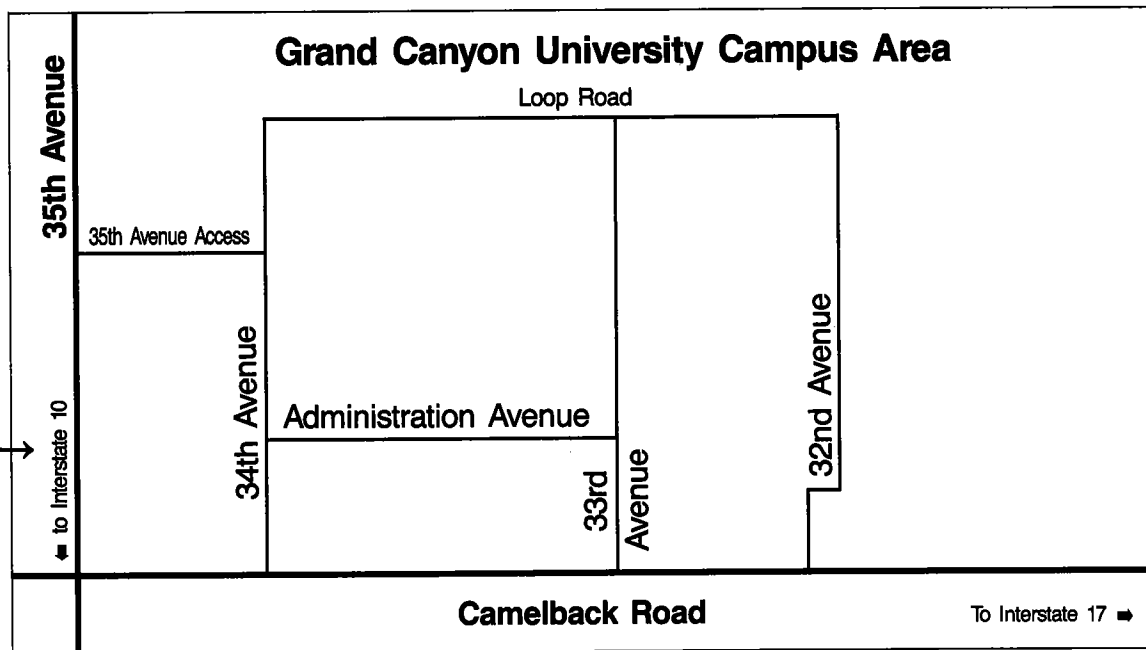




Central Metropolitan Phoenix Area

Maps not to scale

Map Detail



See Page 172 for Detail Map of Campus





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