

GRAND CANYON UNIVERSITY



CATALOG 1997-98/1998-99

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CLASS
BY
ITSELF

Phoenix, Arizona

GRAND CANYON UNIVERSITY



Catalog for
1997-98/1998-99

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 XXXVIII
September, 1996

WHOM TO CONTACT

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College of Continuing Studies	Dean	274-1404
College of Education	Dean	589-2868
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Student Employment	Director of Student Employment	589-2830

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University Mailing Address:
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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

For further information on Accreditation contact:
Commission on Institutions of Higher Education
North Central Association of Colleges and Schools
30 North LaSalle Street, Suite 2400
Chicago, Illinois 60602-2504
312/263-0456
800/621-7440

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 1997 - SPRING 1998

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 9
Instruction Begins	May 12
Late Registration	May 12-14
Last Day to Add a Class	May 14
Last Day to Drop a Class/Change to Audit	May 29
Memorial Day (No Classes, Offices Closed)	May 30
Summer A Ends	Jun 19
Summer A Grades Due by Noon	Jun 23
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 11
Summer II Ends	Jun 20
Summer II Grades Due by Noon	Jun 23
SUMMER B 1997: (Classes Meet Monday through Thursday)	
Registration	Jun 20
Instruction Begins	Jun 23
Late Registration	Jun 23-25
Last Day to Add a Class	Jun 25
Independence Day (No Classes, Offices Closed)	Jul 4
Last Day to Drop a Class/Change to Audit	Jul 10
Summer B Ends	Jul 31
Summer B Grades Due by Noon	Aug 4
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
FALL SEMESTER 1997:	
College Faculty Meetings	Aug 15
Residence Halls Open to New Students (7-9 p.m.)	Aug 15
New Student Orientation	Aug 16-18
Parents Orientation	Aug 16
Residence Halls Open for Returning Students (2-5 p.m.)	Aug 17
New Student Orientation/Group Advisement/Priority Registration	Aug 18
†Registration for Graduate Students, Second Degree, Fifth Year, and Seniors	Aug 19
†Evening Registration (6-7 p.m.)	Aug 19
†Registration for Juniors, Sophomores, Freshmen, and Unclassified Students	Aug 20
Instruction Begins	Aug 21
Late Registration	Aug 21-29
Last Day to Add a Class	Aug 29
Labor Day (No Classes, Offices Closed)	Sep 1
Mid-term Examinations	Oct 6-10
Mid-term Grades Distributed to Students	Oct 13-17

Last Day to Drop a Class/Change to Audit	Oct 31
Veteran's Day (No Classes, Offices Closed)	Nov 11
Priority Pre-Registration for Spring/Summer 1998 Classes (Open to Currently Enrolled Students Only)	Nov 3-14
Evening Pre-Registration (6-7 p.m.) (Open to Currently Enrolled Students Only)	Nov 4
Preregistration for Spring/Summer 1998 Classes (Open to Currently Enrolled Students Only)	Nov 17-Dec 9
Thanksgiving Holiday (No Classes, Offices Closed)	Nov 27-28
Grades for Incompletes earned in Spring or Summer 1997 due	Dec 1
Final Examinations	Dec 4-5, 8-9
Senior Grades Due by Noon	Dec 10
December Commencement Activities	Dec 12
Fall Final Grades Due by Noon	Dec 15
Christmas Holiday	Dec 10-Jan 3
Student Teaching - Fall 1997:	
Education Block Courses Begin	Aug 21
Last Day to Register for Block Courses	Aug 27
Last Day to Drop Block Courses	Sep 5
Education Block Courses End	Sep 26
Fall Student Teaching Begins	Sep 29
Fall Student Teaching Ends	Dec 9
SPRING SEMESTER 1998:	
Residence Halls Open/New Students (evening)	Jan 4
Residence Halls Open for Returning Students	Jan 5
New Student Orientation/Group Advisement/Priority Registration	Jan 5-6
Faculty Workshop (Morning)	Jan 5
†Evening Registration	Jan 5
†Registration	Jan 6
Instruction Begins	Jan 7
Late Registration	Jan 7-16
Last Day to Add a Class	Jan 16
Martin Luther King, Jr./Civil Rights Day (No Classes, Offices Closed)	Jan 19
President's Day (No Classes, Offices Closed) (Exception: Classes Beginning After 4:00 pm)	Feb 16
Mid-term Examinations	Feb 23-27
Mid-term Grades Distributed to Students	Mar 9-13
Spring Break (No Classes)	Mar 16-20
Last Day to Drop a Class/Change to Audit	Mar 20
†Priority Pre-Registration for Summer/Fall 1998 Classes (Open to Currently Enrolled Students Only)	Mar 23-Apr 3
†Evening Pre-Registration (Open to Currently Enrolled Students Only)	Mar 24
Good Friday (No Classes, Offices Closed)	Apr 10
†Pre-Registration for Summer/Fall 1998 Classes (Open to Currently Enrolled Students Only)	Apr 6-30
Final Examinations	Apr 30, May 1, 4-5
Senior Grades Due by Noon	May 6
Baccalaureate	May 8
Graduation	May 9
Spring Final Grades Due by Noon	May 11
Student Teaching Spring 1998:	
Education Block Classes Begin	Jan 7
Last Day to Register for Block Courses	Jan 13
Last Day to Drop Block Courses	Jan 20
Education Block Courses End	Feb 13
Spring Student Teaching Begins	Feb 17
Spring Student Teaching Ends	May 5
† Refer to Class Bulletin for specific times.	

ACADEMIC CALENDAR: TENTATIVE SUMMER 1998 - SPRING 1999

SUMMER I 1998: (Classes Meet Monday through Friday)	
Registration	May 11
Instruction Begins	May 11
Late Registration	May 12-May 13
Last Day to Add a Class	May 13
Last Day to Drop a Class/Change to Audit	May 20
Summer I Ends	May 29
Memorial Day (No Classes, Offices Closed)	May 25
Summer I Grades Due by Noon	Jun 1
SUMMER A 1998: (Classes Meet Monday through Thursday)	
Registration	May 15
Instruction Begins	May 18
Late Registration	May 18-20
Last Day to Add a Class	May 20
Memorial Day (No Classes, Offices Closed)	May 25
Last Day to Drop a Class/Change to Audit	Jun 4
Summer A Ends	Jun 25
Summer A Grades Due by Noon	Jun 29
SUMMER II 1998: (Classes meet Monday through Friday)	
Registration	May 29
Instruction Begins	Jun 1
Late Registration	Jun 1-3
Last Day to Add a Class	Jun 3
Last Day to Drop a Class/Change to Audit	Jun 16
Summer II Ends	Jun 26
Summer II Grades Due by Noon	Jun 29
SUMMER B 1998: (Classes Meet Monday through Thursday)	
Registration	Jun 26
Instruction Begins	Jun 29
Late Registration	Jun 29-Jul 1
Last Day to Add a Class	Jul 1
Independence Day (No Classes, Offices Closed)	Jul 3
Last Day to Drop a Class/Change to Audit	Jul 16
Summer B Ends	Aug 6
Summer B Grades Due by Noon	Aug 10
SUMMER III 1998: (Classes meet Monday through Friday)	
Registration	Jun 26
Instruction Begins	Jun 29
Late Registration	Jun 29-Jul 3
Last Day to Add a Class	Jul 1
Independence Day (No Classes, Offices Closed)	Jul 3
Last Day to Drop a Class/Change to Audit	Jul 8
Summer III Ends	Jul 24
Summer III Grades Due by Noon	Jul 27
FALL SEMESTER 1998:	
College Faculty Meetings	Aug 21
Residence Halls Open to New Students (7-9 p.m.)	Aug 21
New Student Orientation	Aug 22-24
Parents Orientation	Aug 22
Residence Halls Open for Returning Students (2-5 p.m.)	Aug 23
New Student Orientation/Group Advisement/Priority Registration	Aug 24
†Registration for Graduate Students, Second Degree, Fifth Year, and Seniors	Aug 25
†Evening Registration (6-7 p.m.)	Aug 25
†Registration for Juniors, Sophomores, Freshmen, and Unclassified Students	Aug 26
Instruction Begins	Aug 27
Late Registration	Aug 27-Sept 4
Last Day to Add a Class	Sept 4
Labor Day (No Classes, Offices Closed)	Sep 7
Mid-term Examinations	Oct 12-16
Mid-term Grades Distributed to Students	Oct 19-23

Last Day to Drop a Class/Change to Audit	Nov 6
Priority Pre-Registration for Spring/Summer 1999 Classes (Open to Currently Enrolled Students Only)	Nov 9-10, 12-13
Evening Pre-Registration (6-7 p.m.) (Open to Currently Enrolled Students Only)	Nov 10
Veteran's Day (No Classes, Offices Closed)	Nov 11
Preregistration for Spring/Summer 1999 Classes (Open to Currently Enrolled Students Only)	Nov 16-Dec 15
Thanksgiving Holiday (No Classes, Offices Closed)	Nov 26-27
Grades for Incompletes earned in Spring or Summer 1998 due	Dec 1
Final Examinations	Dec 10-11, 14-15
Senior Grades Due by Noon	Dec 16
December Commencement Activities	Dec 18
Fall Final Grades Due by 5:00 p.m.	Dec 18
Christmas Holiday	Dec 21-Jan 5
Student Teaching - Fall 1998:	
Education Block Courses Begin	Aug 27
Last Day to Register for Block Courses	Sept 2
Last Day to Drop Block Courses	Sep 11
Education Block Courses End	Oct 2
Fall Student Teaching Begins	Oct 5
Fall Student Teaching Ends	Dec 15
SPRING SEMESTER 1999:	
Residence Halls Open/New Students	Jan 3
Residence Halls Open for Returning Students	Jan 4
New Student Orientation/Group Advisement/Priority Registration	Jan 4-5
Faculty Workshop (Morning)	Jan 4
†Evening Registration	Jan 4
†Registration	Jan 5
Instruction Begins	Jan 6
Late Registration	Jan 6-15
Last Day to Add a Class	Jan 15
Martin Luther King, Jr./Civil Rights Day (No Classes, Offices Closed)	Jan 18
President's Day (No Classes, Offices Closed) (Exception: Classes Beginning After 4:00 pm)	Feb 15
Mid-term Examinations	Feb 22-26
Mid-term Grades Distributed to Students	Mar 1-5
Spring Break (No Classes)	Mar 15-19
Last Day to Drop a Class/Change to Audit	Mar 19
†Priority Pre-Registration for Summer/Fall 1999 Classes (Open to Currently Enrolled Students Only)	Mar 29-Apr 1
†Evening Pre-Registration (Open to Currently Enrolled Students Only)	Mar 30
Good Friday (No Classes, Offices Closed)	Apr 2
†Pre-Registration for Summer/Fall 1999 Classes (Open to Currently Enrolled Students Only)	Apr 5-May 4
Final Examinations	Apr 29-30, May 3-4
Senior Grades Due by Noon	May 5
Baccalaureate	May 7
Graduation	May 8
Spring Final Grades Due by Noon	May 10
Student Teaching Spring 1999:	
Education Block Classes Begin	Jan 6
Last Day to Register for Block Courses	Jan 12
Last Day to Drop Block Courses	Jan 19
Education Block Courses End	Feb 12
Spring Student Teaching Begins	Feb 16
Spring Student Teaching Ends	May 4
SUMMER 1999: (See Summer 1999 Bulletin for Schedule)	
† Refer to Class Bulletin for specific times.	

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General University Information

MISSION STATEMENT

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

PURPOSE STATEMENT

As a private Christian Liberal Arts institution of higher education, Grand Canyon University is **student focused**. 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.

Grand Canyon University offers an **academically challenging** curriculum at both the undergraduate and graduate levels. 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 Commission on Institutions of Higher Education, North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 312/263-0456, 800/621-7440.

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 for 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 page 9).

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 west Phoenix. Grand Canyon was fully accredited by the Commission on Institutions of Higher Education, North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 312/263-0456, 800/621-7440, 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. These included, but were not limited to, the organization of programs and departments into multiple colleges, the offering of graduate degree programs, the formation of the Grand Canyon University Foundation which coordinates the fund-raising activities of the University, and the generosity of several individuals who pledged or gave 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 Torhjelm
Dr. Huddy Bell
Dr. Joni Hegel
Dr. C. J. Smith

In May of 1984, the College trustees voted to prepare for transition 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
Lloyd 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

GENERAL INFORMATION

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.

Two microcomputer laboratories utilizing IBM-compatible 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.

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



GRAND CANYON UNIVERSITY

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, color, age, disability, 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 85017-3030

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, and opportunities to sit in on classes or attend chapel services. 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

All new incoming students have the opportunity to participate in a specifically designed program to orient them to campus life, provide consultation on financial aid and money management, and facilitate their academic advisement. As a part of the S.O.A.R. program, students are also able to PRE-REGISTER for Summer and Fall courses and reserve their class schedules prior to traditional walk-thru registration for those terms. Students accepted on Admission with Specification are **required** to register for the S.O.A.R. program.

For S.O.A.R. reservation deadlines, costs, and additional information, please contact the Office of Admissions. Students who choose not to take advantage of the S.O.A.R. program may register during traditional walk-thru registration for the appropriate term.

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	September 1 - August 15
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:

- **Early Admissions Program:** exceptional students who wish to begin college courses while still in high school.
- **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.
- **Unclassified:** non-degree-bound students planning to enroll in courses for personal enrichment or to meet other specific needs.
- **Re-Admit:** Students previously enrolled at Grand Canyon University who have not maintained continuous attendance.

Admission requirements and application procedures 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 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.

STANDARDS OF ADMISSION

ADMISSION WITH DISTINCTION

1. FRESHMEN STUDENT

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 on a 4.00 scale 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 may be met by a combination of high

school courses, college courses, and test scores:

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: SAT II Chemistry Test - 630, SAT II Biology Test - 580, SAT II Physics Test - 650, 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 610 on the SAT II American History Test 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 630 on the SAT II World History Test or
3. One transferable three-semester-hour college social science course.

Admission may be granted to new freshmen with one deficiency in no more than two competency areas. Applications for Early Admissions will be evaluated on an individual basis.

2. TRANSFER STUDENT OR READMISSION

Students with at least 24 semester hours of completed transferable credit in academic subjects must have a cumulative grade point average of at least 2.00 on a 4.00 scale to be accepted to the University under the classification of Admission with Distinction.

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

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

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 where improvement is needed.

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.

ADMISSION FOR UNCLASSIFIED STUDENTS

Applications for Admission as an unclassified student will be evaluated on an individual basis. At such time as the student decides to apply for regular admission, the standards for the appropriate classification would apply.

APPLICATION PROCEDURES

EARLY ADMISSION

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 Early Admission, 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. An 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) — one at 15 months of age and one (1) after 1980. Immunization record forms are available both 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 enrollment 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.

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.

If you have completed work at an institution outside of the United States, you must have the work evaluated by an approved evaluation service selected by the University. (See the section entitled "Evaluation of Transfer Credit.")

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.

- 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:

- 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) — one at 15 months of age and one (1) after 1980. Immunization record forms are available from both 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.

- Enrollment Deposit. A \$100 enrollment 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.
- Writing Proficiency Examination. Grand Canyon University takes proficiency in basic skills very seriously. As such, all students must 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.

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:

- 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.
- 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:

- 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.

RE-ADMIT

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.

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.

Grand Canyon University takes proficiency in basic skills very seriously. As such, all students must 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.

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 Liberal Arts Foundation 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 Examination.

The same is true of the Transfer General Education Core Curriculum (TGECC) from Arizona's public community colleges when it is certified as a block on the student's official transcript.

Exceptions to the Direct Transfer Plan are as follows:

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

Business — students planning to complete a degree program in the College of Business must complete the specified liberal arts requirements 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 carry 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:

- Pursuit of Degree:** students who meet the minimum qualifications for entrance into the University, including a minimum TOEFL score of 500; and who desire

to pursue a bachelor's or master's degree.

- 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, the College of Education, and the Samaritan College of Nursing; 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

PURSUIT OF DEGREE

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

- APPLICATION FOR ADMISSION** — A completed and signed International Student Application for Admission must be submitted to the Office of Admissions. It is important that you provide all the information requested; incomplete applications will be returned. **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.

- TRANSCRIPTS**

- Secondary School** - You must have completed a secondary school program which is equivalent to the twelfth (12th) grade (high school) in the United States. 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.

- 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. The fee for evaluation is the student's responsibility. 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 from foreign credentials without an evaluation 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.

- 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 \$15,500.00 (U.S.) per year, or \$13,500.00 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 telecheck 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.

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 STUDENT

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 all colleges and/or universities where the student has attended.

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) — one at 15 months of age and one (1) after 1980. Immunization record forms are available both 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 STUDENT

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.

GRADUATE STUDENT ADMISSION

COLLEGE OF EDUCATION

Students wishing to apply for admission to the Master of Arts in Education (M.A.), or Master of Arts in Teaching (M.A.T.), 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

M.Ed. PROGRAM

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. Transcripts mailed or hand-carried by applicants are unacceptable unless they are delivered in a sealed envelope from the issuing institution. If you have completed work at an institution outside of the United States, you may need to have the transcripts evaluated by an approved evaluation service selected by

the University. (See the section entitled "Evaluation of Transfer Credit.")

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 EXAMINATION (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 EXAMINATION (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. **FINGERPRINTS** — All applicants must submit an application for fingerprint clearance and fingerprint card to the Arizona Department of Education (copies of these forms should be submitted to the College of Education).

7. **INTERVIEW** — As soon as all the above steps have been completed, applicants should schedule a personal interview with the Director for Undergraduate and Graduate Studies in the College of Education and/or the Graduate Committee.

M.A. PROGRAM

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

1. **APPLICATION FOR ADMISSION** — 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 references.)

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. **COPY OF CURRENT TEACHING CERTIFICATE.**

7. **INTERVIEW** — see M.Ed.

M.A.T. PROGRAM

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

1. **APPLICATION FOR ADMISSION** — The Graduate Program application should be submitted to the College of Education Office for Distance Learning with a \$50. non-refundable application fee.

2. **TRANSCRIPTS** — Applicants must submit a set of official transcripts from each post-secondary institution attended to the College of Education Office for Distance Learning. To be considered for admission into the Graduate Program, a student must have a bachelor's degree and have earned a cumulative GPA for all college work of at least a 2.80 on a 4.00 scale. Transcripts must be sent directly from the institution where credit was earned to the College of Education Office for Distance Learning at Grand Canyon University. Unofficial transcripts or hand-carried copies (except those in sealed envelopes) are unacceptable. If you have completed work at an institution outside of the United States, you may need to have the transcripts evaluated by an approved evaluation service selected by the University. (See the section entitled "Evaluation of Transfer Credit.")

3. **REFERENCES** — Three completed recommendation forms must be sent directly to the College of Education Office for Distance Learning by the individuals making the recommendations. Hand-carried recommendations (except those in sealed envelopes) are unacceptable. M.A.T. students must submit their most recent teacher evaluation from the school administrator as one of the three references.

4. **COPY OF CURRENT TEACHING CERTIFICATE.**

5. **SIGNED CREDIT AGREEMENT**

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

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

M.B.A. PROGRAM

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. If you have completed work at an institution outside of the United States, you may need to have the transcripts evaluated by an approved evaluation service selected by the University. (See the section entitled "Evaluation of Transfer Credit.")

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.

- 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. The fee for evaluation is the student's responsibility. Brochures describing in detail the approved evaluation services and the fees incurred are available in the Office of Admissions and the Office of Academic Records.

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 from foreign credentials without an evaluation from an approved evaluation service.

- 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	5	8 (CHM 113/115)
	4	4 (CHM 113)
	3	4 (CHM 101)
	1-2	None
Computer Science AB	4-5	6 (CSC 100/101)
	3	3 (CSC 100)
	1-2	None
Computer Science A	4-5	3 (CSC 100)
	1-3	None
English Language, Literature/Composition	4-5	6 (ENG 101/102)
	3 + pass Writing Exam	0 (ENG 101/102 waived; but must complete six hours of English electives)
	1-2	None
French, German or Spanish Language	4-5 + dept. conference	12-16 (FRE/GER/SPA 101/102/201/202)
	3 + dept. conference	Possible lower div. SPA credit
	1-2	None
Government and Politics - U. S.	5	3 (POS 252)
	1-4	None
History - European	5	6 (HIS 101/102)
	4	3 (HIS elective)
	1-3	None
History - United States	5	6 (HIS 103/104)
	4	3 (HIS elective)
	1-3	None
Mathematics - Calculus AB	4-5	8 (MAT 270/271)
	3	4 (MAT 210)
	1-2	None
Mathematics - Calculus BC	4-5	12 (MAT 270/271/272)
	3 + dept. conference	4-8 (possible lower div. MAT credit)
	1-2	None
Physics B	5	8 (PHY 111/112)
	4	4 (PHY 111)
	3	4 (PHY 101)
	1-2	None

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
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	8	FRE 101/102
	52-80	16	FRE 101/102/201/202
College German	42-51	8	GER 101/102
	52-80	16	GER 101/102/201/202
College Spanish	42-51	8	SPA 101/102
	52-80	16	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

Financial Information

PREFACE

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.

STUDENT EXPENSES

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.

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 may 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, American Express, and the College Card.

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 meal 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 below 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 purchased in \$25.00 increments is offered at a 10% discount. (i.e. \$25.00 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 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. To sign a waiver the student must provide a photo copy of the front and back of valid insurance card. This form is available through the Housing Office.

Commuter students are encouraged to carry accident/health insurance. All students planning on using parents health insurance policies should become familiar with the eligibility requirements of that policy, i.e., some companies specify age and/or credit hour minimums. More information is available through the Head Cashier in the Business Office. *Dental insurance available upon request.*

All international students are required, while attending Grand Canyon University, to have health and accident insurance coverage. Proof of coverage, which will pay in the United States, must be shown to the International Representative in the Center of International Education Office. Unless proof is provided, Grand Canyon University International Student Insurance will be automatically charged to the student's account.

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 PLUS 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 FOR TUITION AND FEES

FALL AND/OR SPRING SEMESTER

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 attempts 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

We use 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. Grand Canyon University allows the use of 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.

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 Form
- Financial Aid Transcripts from all schools attended
- verification of application data (only if required)
- completed tax returns, additional worksheets, and other relevant information (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.

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

Thus, Financial Need (FN)
equals Cost of Attendance (CA)

Minus Parental (PC) and Student Contribution (SC)
FN = CA - (PC + SC)

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. Financial Aid Counselors are available to discuss the student's contribution, family contribution, or any other questions that may 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.

A student who is eligible for Federal Work Study (FWS) will be notified of potential eligibility. The student is also sent instructions on how to find a FWS position. The FWS awards will then be made once a job has been obtained, as long as funds are available. 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 may be eligible for a prorated portion of their financial aid. Some undergraduate programs require at least 6 hours and all graduate programs require at least 5 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 Enrollment Management 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 or session at Grand Canyon in which the scholarship is used 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

CONTINUING STUDENTS

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 annually by March 15.

FRESHMEN STUDENTS

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. GPAs 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.

Students who are chosen to receive this scholarship will be expected to participate in the University's Honors Program. See page 35 for a complete description of this unique interdisciplinary curriculum.

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 annually 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 annually 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 to 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 annually by March 15.

TRANSFER STUDENTS

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 annually 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 SCHOLARSHIPS

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 to the Office of Financial Aid 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
 Wayne P. Cerow Memorial Scholarship
 Mary Cheatham
 Cook/Bishop Memorial Presidential Grant
 Craig-McElwaine Education Scholarship
 G. D. Crow Memorial Scholarship
 Hilton Jones Crow Scholarship
 Keith and Mary Sue Davis Scholarship
 Harold Dye Family Scholarship
 Glenn Eason Educational Scholarship
 David H. Eaton Scholarship
 Evans-Griffin Scholarship
 Wesley and Lola Freeburg Scholarship Fund
 Jim and Claire Goins Living Memorial
 Louis Willard and Kathryn Opal Hardcastle Scholarship
 Ernest E. and Linnie Ann Hatcher Memorial 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
 D. C. Martin Scholarship Endowment Fund
 Paul and Esther McCarty Scholarship
 Mary McDowell Living Memorial Scholarship
 McFarland Scholarship
 Fannie Mae Meredith Scholarship
 Karl S. Nelson Memorial Scholarship Fund
 Carl Paetz Memorial Scholarship
 Crystle Paetz Nursing Scholarship
 Lowell B. Parker Ministerial Scholarship Fund
 John B. Will and Fred and Norma Pfeiffer 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 William 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
 Grace Weller Piano Scholarship
 J. B. and Opal Williams Hispanic 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 Office of Financial Aid and must be returned to the Office of Financial Aid 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 on 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) are made available to undergraduate students only and are the "floor" of the student's financial aid package. 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 should 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.

LOAN PROGRAMS

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

The Federal Perkins Loan 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 the application for Federal Student Aid. The application procedure is described under the "Financial Aid Process" section.

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)	Maximum Federal Stafford (Sub & Unsub)
Annual Limits				
Year 1	\$2,625	\$2,625	\$6,625	\$6,625
Year 2	\$3,500	\$3,500	\$7,500	\$7,500
Years 3, 4, & 5	\$5,500	\$5,500	\$10,500	\$10,500
Graduate/Professional	n/a	\$8,500	\$18,500	\$18,500
Aggregate Limits				
Dependent Undergraduate	\$23,000	n/a	n/a	n/a
Independent Undergraduate	n/a	\$23,000	\$46,000	\$46,000
Graduate/Professional	n/a	\$65,500	\$138,500	\$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. This rate may vary from year to year but will not exceed 10%. (As of January 1, 1996, the interest rate on loans was set at 8.98%.) 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 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 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 PROGRAMS (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 Award Procedures" section.

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.

PARETIME 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 from the College of Education is open to all Grand Canyon University graduates, Fifth Year, M.Ed., M.A.T., 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 IMMUNIZATION 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 re-entry is permitted.

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 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 8 (eight) 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 ten different sports, sponsoring five men's teams and five 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, soccer, 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 Bernardino.

The men's baseball team currently competes in the Western Athletic Conference (W.A.C.), an NCAA Division I Conference.

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.

ASSOCIATED STUDENTS OF GRAND CANYON UNIVERSITY

The Associated Students of Grand Canyon University is composed of the Campus Life Leadership Council, class officers and class senators. The Campus Life Leadership Council leads the student body in planning and promoting student life activities. Class officers organize and conduct meetings and special functions as an individual class. Class senators discuss and vote on initiatives that will enhance student life.

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 Regulations

PREFACE

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 to 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 29 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 into 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 page 31).

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 15.)

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.

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 it is suggested that students who have employment other than school work should not take more than 15 hours of college work per semester.

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 24).

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 Dean of the College 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 pages 7, 11-12.

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 25)
- 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 23 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

The honor recognizes, each year, approximately 15 seniors with outstanding records of campus activities, community service, and academic achievement. 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 convocation and other appropriate activities to recognize the achievements of students who have won distinction in academic pursuits or in student leadership. Ordinarily included in the recognitions are students in one or more of the following categories: Ray-Maben Scholars, 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 29).

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 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 7).

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.)

Students 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 Requirements

PREFACE

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 Arts in Teaching, 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** degree is granted to practicing elementary and secondary teachers in a specialized field of study.

Elementary Education
Reading Education
Secondary Education
Teaching English as a Second Language

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

Teaching English as a Second Language

The **Master of Arts in Teaching** degree is in a distance learning format and has been designed to promote a high quality graduate education experience in the convenience of a community or school without residency requirements. This program meets the needs of the practitioner in the field who does not intend to pursue further degrees. Rather, the primary focus is upon improving the quality of instruction for the certified teacher.

The **Master of Education** degree 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
Special Education (Emotional Handicapped and Learning Disabilities)

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

Higher Education

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
Biochemistry
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)
Secondary Education
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
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.

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 25 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 almost 50 years ago and proudly maintains 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 a 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. To that end, the University has developed a set of learner goals which, when taken as a whole, are viewed as comprising our expectations for this part of the student's experience at Grand Canyon University. Each learner goal is paired with a course or group of courses in a core area of study and those comprise the *University Liberal Arts Foundation*. The U.L.A.F., comparable to what is often called "general education" or "general studies" at other institutions, is intended to be the foundation of the student's undergraduate education. The U.L.A.F. purposely allows the students some flexibility and choices in order to make the foundation as relevant as possible to the student's areas of academic interest; but it also is specific enough to ensure that some basic skills and knowledge are a part of the foundation.

LEARNER GOALS

- To develop an understanding of the Bible and Christian values and how they may be integrated into living in the world today. (See Core Area I.)
- To demonstrate the ability to write competently, speak effectively, and use the tools of modern technology to communicate. (See Core Area II.)
- To develop an understanding of and appreciation for historical, literary, and

philosophical heritage. (See Core Area III.)

- To develop knowledge and appreciation for the dynamic relationship between the individual and society. (See Core Area IV.)
- To demonstrate an understanding of mathematical concepts, applications, and the connections between mathematics and daily living. (See Core Area V.)
- To achieve an understanding of the philosophy and methods of science (See Core Area VI.)
- To develop an appreciation for the arts and their relationship to daily living. (See Core Area VII.)

UNIVERSITY LIBERAL ARTS FOUNDATION †

- X. Christian Perspectives:** 6 hours
- Track 1: BIB 113 Old Testament History (3) and BIB 123 New Testament History (3)
- Track 2: One of the following courses:
 BIB 103 Survey of the Bible (3)
 ✓ BIB 113 Old Testament History (3)
 BIB 123 New Testament History (3)
- AND
- One of the following courses:
 ✓ UNV 304 Faith and Living: Issues for the 21st Century (3)
 UNV 305 The Christian Mind (3)
 UNV 306 Foundations of the Christian Faith (3)
- XI. Communication:** 10 hours
- A. English - 6 hours
 ✓ ENG 101 Academic Writing (3)
 ✓ ENG 102 Research Writing (3)
- B. Speech - 3 hours
 ✓ SPC 113 Fundamentals of Speech (3)
- C. Computer Literacy - 1 hour
 ✓ CIS 180 Computer Information Systems Module (1)
- XII. Heritage** 6 hours
- A. History - 3 hours
 Any history course with an "HIS" prefix
 Recommended courses include:
 ✓ HIS 103 Early American History (3)
 HIS 104 Recent American History (3)
 HIS 105 Western Civilization to 1500 (3)
 HIS 106 Western Civilization Since 1500 (3)
- B. Literary and Philosophical Tradition - 3 hours
 Any literature course with an (ENG) prefix or any philosophy course with a "PHI" prefix
- XIII. Personal and Social Environment** 3 hours
- Any economics (ECN), foreign language (FRE, GER, SPA, etc.), geography (GEO), political science (POS), psychology (PSY), or sociology (SOC) course
- XIV. Mathematical Inquiry** 3 hours
- ✓ MAT 120 Intermediate Algebra (3) or higher mathematics course (3)
- XV. Scientific Inquiry** 4 hours
- Any biology (BIO), chemistry (CHM), geology (GLG), or physics (PHY), course which contains a laboratory component
- XVI. Fine Arts** 3 hours
- Any art, music, or theatre course (3)

Total University Liberal Arts Foundation requirements: 35* hours

* Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 32 hours for those students.

† Students intending to major in the Colleges of Business (Accounting, Finance, International Business, Management, or Marketing), Samaritan College of Nursing, or College of Education (seeking certification to teach at the elementary or secondary level), should consult the specific section of the catalog describing that College's requirements. Due to requirements of accrediting, licensing, or certifying organizations outside of the University, these programs sometimes have specific courses that should be taken to meet the requirements of Core Areas II, III, IV, V, VI, and VII and they may also require additional courses in some areas.

The University has always accepted comparable courses from other regionally accredited

institutions which, in the judgment of the faculty, meet the intent of the requirements as specified. The faculty teaching a specific discipline should 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. 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.

First Semester:

UNV 101*	1 hour
BIB 103 or BIB 113	3 hours
ENG 101**	3 hours
HIS 103 or HIS 105	3 hours
TRE 120 / ARH 100 / or MUS 252	3 hours
CIS 180	2 hours
	<hr/>
	15 hours

Second Semester:

UNV 304 / UNV 305 / UNV 306 / or BIB 123	3 hours
ENG 102	3 hours
ECN / GEO / POS / PSY / SOC elective	3 hours
BIO / CHM / PHY - Lab Science	4 hours
	<hr/>
	16 hours
Elective	3 hours
	<hr/>
	16 hours

* 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
SPC 113	3	
PHI 101 or ENG 224 or ENG 341	3	
MAT 120 or higher	3	
Major, Minor, Electives	6	16
	<hr/>	<hr/>
	15	16

Junior Year:

	Fall	Spring
Major, Minor, Electives	17	16
	<hr/>	<hr/>
	17	16

Senior Year:

	Fall	Spring
Major, Minor, Electives	17	16
	<hr/>	<hr/>
	17	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	35 hours
Electives	93 hours
	<hr/>
	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 28-29 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 30).

* 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:

- Meeting the admission criteria for that degree.
- Filing an Intent to Graduate form with the Office of Academic Records for the degree sought.
- 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.)
- Selecting a major in a field not used as a major for the previous degree. (See specific major for number of hours required.)
- 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.

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

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 tutors may be available on a limited basis. Students should consult first with the instructor of the course in which they are having difficulty. The instructor may refer the student elsewhere as appropriate.

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 Third World countries, studying abroad at foreign universities or gaining practical experience with international businesses. A unique feature of this program is that it provides participants with opportunities to meet 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 any international learning must make arrangements through Grand Canyon University's Center for International Education well in advance of the anticipated date of study abroad.

ONGOING PROGRAMS

Brazil — A long-term 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 Jerusalem University College, an Evangelical Protestant Christian university level institution established in 1957 and located in Jerusalem, Israel. The school offers to its international student body: long and short-term programs, including the Master of Arts degree in several disciplines; graduate and undergraduate semester abroad; and short-term academic study tours. The institution is dedicated to the study of the geography, culture, history, languages, and archeology of biblical lands as they relate to biblical interpretation and a better understanding of the Middle East.

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

Kazakhstan — A relationship exists with the Kazak 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. Kazak 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.

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.

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 (ESL) 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.

CHRISTIAN PERSPECTIVES

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 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 the academic disciplines 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 three courses (UNV 304, UNV 305, UNV 306) as part of its efforts to accomplish this task. (See page 38.)

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 — interdisciplinary courses, one of which is prescribed, the Faith and Living course — as well as 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 (non-citizens 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 curriculum is to prepare students with leadership potential to be commissioned U. S. Army officers. Objectives include developing the following characteristics in the students: leadership and managerial skills; the ability to think creatively; the ability to speak and write effectively; appreciation of the requirements for national security; and an understanding of the nature and functions of the U. S. Army. Upon successful completion of the advanced course and graduation, qualified students receive commissions in the Active U. S. Army (on a competitive basis), Army Reserve, or Army National Guard.

General Qualifications

Basic Course

Any student who is enrolled at Grand Canyon University can enter into the military science basic classes. It is strongly recommended that the student be in good physical shape because 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 U. S. 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 U. S. 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 13 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. Students are also required to 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, students are commissioned as Second Lieutenants in the Regular U. S. Army, 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 reached academic junior status. This program is open to all students with the exception of three- and four-year Army ROTC 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 Officer Selection Battery (OSB) and the Army physical aptitude examination. After successfully completing a paid six-week basic camp at Fort Knox, Kentucky (conducted during June and July), 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 provided they are academic juniors. 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

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, or prior military service;
2. Passing the Officer Selection Battery (OSB);
 3. Passing the Army physical examination;
 4. Achieving and maintaining the minimum cumulative GPA required for graduation in the student's selected major, but no less than 2.00;
 5. Attainment of at least junior class standing; and
 6. Maintenance of full time student status.

Pay and Allowances

Each advanced course student receives one-half the pay of 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. All students in the advanced course, regardless of scholarship status, are paid about \$1,500.00 tax-free for each of these two years.

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 U. S. Army. These scholarships are awarded in varying amounts for tuition. In addition, the scholarship pays \$150.00 subsistence allowance and \$225.00 each semester for textbooks and 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 a review board at the national level. Acceptance of any of the three scholarship programs requires a 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 Active Army, Army National Guard, or Army Reserve. 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 **U. S. Air Force Organization** **2 hours**

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 **Nature of U. S. Air Power** **2 hours**

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 **Aerospace History to World War II** **2 hours**

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 **Aerospace History: WW II to Present** **2 hours**

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 **U. S. Air Force Communication Management and Leadership** **3 hours**

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 **U. S. Air Force Management and Leadership** **3 hours**

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 **National Security Institutional Policy and Strategy** **3 hours**

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 **Topical and Regional Security Issues** **3 hours**

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 **Honors Interdisciplinary Seminar** **3 hours**

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 **Honors Interdisciplinary Seminar** **3 hours**

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 **Honors Interdisciplinary Seminar** **3 hours**

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 **Honors Interdisciplinary Seminar** **3 hours**

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 **Honors Thesis** **3 hours**

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 **Army Master Fitness** **1 hour**

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

MIS 101 **Introduction to the Military** **3 hours**

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 **Land Navigation, First Aid, and Survival** **3 hours**

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 **American Military History** **4 hours**

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 **Introduction to Leadership Dynamics** **3 hours**

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 **Advanced Military Science I** **3 hours**

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 **Advanced Military Science II** **3 hours**

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 **Advanced Military Science III** **3 hours**

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 **Advanced Military Science IV** **3 hours**

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

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 **University Success** **1 hour**

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 105 **3 hours/3 hours**
Writing Experience I

Every semester. A course for students whose ACT scores or performance on the Writing Proficiency Examination indicates their need for a review of writing skills and strategies. May be repeated for a maximum of six hours if required.

UNV 110 **3 hours**
Writing Experience II

Every semester. A course in which students work with their instructor to design and carry out an individualized plan to lead each student to write successfully.

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 304 **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 with and challenge the instructors during the semester. The goal is to build a more holistic faith for the 21st century. Prerequisite: BIB 103, BIB 113, or BIB 123.

UNV 305 **3 hours**
The Christian Mind

Every Fall. This course examines the historical development of Christian world views and challenges students to develop Christian understandings of problems facing humanity in the 21st century. Prerequisite: BIB 103, BIB 113, or BIB 123.

UNV 306 **3 hours**
Foundations of the Christian Faith

Every Spring. This course examines the historical origin and development of the Christian faith and the ideas necessary to its interpretation. Prerequisite: BIB 103, BIB 113, or BIB 123.

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 Commission on Institutions of Higher Education, North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 312/263-0456, 800/621-7440; 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** degree in the following majors: Accounting, Finance, International Business, Management, and Marketing. The College of Business offers **minors in Business and Leadership Studies**; **Master of Business Administration** degree; and a **Computer Information Systems Certificate Program** which is highly recommended as an enhancement for all majors. The College also 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, human, and conceptual skills 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 market 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
CIS 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.

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 the written evaluation of the intern's supervisor in the organization sponsoring 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.

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: Database and Decision Support Systems
- 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.

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 Commission on Institutions of Higher Education, North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 312/263-0456, 800/621-7440. 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-semester 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, two 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 46) 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 of "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

For those candidates interested in international business, one week "residential" are available under a "sister institution" agreement with Staffordshire University in England. One week "residential" 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

University Liberal Arts Foundation Requirements	51-52 hours
Lower Division Business Core	6 hours
Upper Division Business Core	27 hours
Major Concentration	24-34 hours
Electives	9-20 hours
Total	128 hours

UNIVERSITY LIBERAL ARTS FOUNDATION — COLLEGE OF BUSINESS

As previously indicated, the University Liberal Arts Foundation for the College of Business differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in the College of Business must complete all requirements listed below as part of the U.L.A.F. for the College of Business. Changes and additional requirements are indicated by italicized print.

- I. **Christian Perspectives** 6 hours
 - Track 1: BIB 113 Old Testament History (3) and BIB 123 New Testament History (3)
 - Track 2: One of the following courses:
 - BIB 103 Survey of the Bible (3)
 - BIB 113 Old Testament History (3)
 - BIB 123 New Testament History (3)
 - AND
 - One of the following courses:
 - UNV 304 Faith and Living: Issues for the 21st Century (3)
 - UNV 305 The Christian Mind (3)
 - UNV 306 Foundations of the Christian Faith (3)
- II. **Communication** 10 hours
 - A. English - 6 hours *
 - ENG 101 Academic Writing (3)
 - ENG 102 Research Writing (3)
 - *Students whose Writing Proficiency Examination scores place them into ENG 103 Honors Composition (3) must also complete an additional three hour upper division ENG elective to fulfill College of Business requirements for English.
 - B. Speech- 3 hours
 - SPC 113 Fundamentals of Speech (3)
 - C. Computer Literacy - 1 hour
 - CIS 180 Computer Information Systems Module (1)
 - D. *Additional Communication Requirements for College of Business* 5 - 7 hours
 - BUS 307 Business Communications (3)
 - CIS 180 Computer Information Systems Modules (2 - 4) **
 - **Accounting and Finance majors are required to take 5 hours of CIS 180 courses (1 hour for the U.L.A.F. and 4 additional hours to meet College of Business requirements). CIS 180B and CIS 180J are required of Accounting majors. CIS 180B and CIS 180E are required of Finance majors. All other College of Business majors are required to take 3 hours of CIS 180 courses (1 hour for the U.L.A.F. and 2 additional hours to meet College of Business requirements). CIS 180K may be taken for elective credit only.
- III. **Heritage** 6 hours
 - A. History - 3 hours
 - Any history course with an "HIS" prefix
 - Recommended courses include:
 - HIS 103 Early American History (3)
 - HIS 104 Recent American History (3)
 - HIS 105 Western Civilization to 1500 (3)
 - HIS 106 Western Civilization Since 1500 (3)
 - B. Literary and Philosophical Tradition - 3 hours
 - PHI 317 Organizational Ethics (3)
- IV. **Personal and Social Environment** 3 hours
 - ECN 201 Macroeconomic Principles (3)
 - Additional Personal and Social Environment Requirements for the College of Business* 6 - 9 hours
 - ECN 202 Microeconomic Principles (3)
 - Political Science, Psychology, or Sociology electives (3 - 6)*
 - *Management, Marketing, and International Business majors are required to take PSY 101 General Psychology (3) and SOC 101 Introduction to Sociology (3)
- V. **Mathematical Inquiry** 3 hours
 - MAT 121 College Algebra (3)*
 - Additional Mathematical Inquiry requirements for the College of Business* 3 hours
 - BUS 251 Business Statistics (3)
 - * Calculus recommended for those students who intend to pursue a program of graduate study.
- VI. **Scientific Inquiry** 4 hours
 - Any Biology (BIO), Chemistry (CHM), Geology (GLG), or Physics (PHY) course which contains a laboratory component.

- VII. **Fine Arts** 3 hours
 - Any Art, Music or Theatre course

Total University Liberal Arts Foundation Requirement for the College of Business 51-52 hours

LOWER DIVISION BUSINESS CORE — ALL BUSINESS MAJORS

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

UPPER DIVISION BUSINESS CORE — ALL BUSINESS MAJORS

ENVIRONMENTAL, INTEGRATING, AND SUPPORTING 12 hours	
BUS 309	Career Planning and Development (3)
BUS 310	Business Law I (3)
BUS 410	International Business (3)
BUS 480	Management of the Total Enterprise (3)

FUNCTIONAL AREAS 15 hours	
CIS 301	Principles of Information Systems (3)
FIN 301	Fundamentals of Business Finance (3)
MGT 301	Principles of Management (3)
MGT 310	Production and Operations Management (3)
MKT 301	Principles of Marketing (3)
Total 27 hours	

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

University 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)
ACC 322	Intermediate Accounting II (3)
ACC 331	Cost Accounting (3)
ACC 383	Advanced Accounting (3)
ACC 481	Auditing Theory and Practice (3)
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)

University 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)
ECN 363	Money and Banking (3)
FIN 401	Intermediate Finance I (3)
FIN 402	Intermediate Finance II (3)
Electives from the following:	12 hours
ACC 321	Intermediate Accounting I (3)
BUS 411	Internship (3)

ECN 333	Managerial Economics (3)	
FIN 305	Derivatives (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)**

University Liberal Arts Foundation for Business	52 hours	
Free Electives	9 hours	
Lower Division Business Core	6 hours	
Upper Division Business Core	27 hours	
International Business Core	34+ hours	
BUS 323	International Relations (3)	
ECN 423	Comparative Economic Systems (3)	
MKT 425	International Marketing (3)	
FIN 425	International Trade and Finance (3)	
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)		
Modern Foreign Language † ‡ (16)		
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	Derivatives (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)**

University Liberal Arts Foundation for Business	52 hours	
Free Electives	19 hours	
Lower Division Business Core	6 hours	
Upper Division Business Core	27 hours	
Management Core	15 hours	
BUS 315	Business Law II (3)	
ECN 333	Managerial Economics (3)	
MGT 321	Human Resource Management (3)	
MGT 415	Organizational Behavior (3)	
MGT 418	Entrepreneurship (3)	
Total Degree Hours		128 hours
Electives from the following:		
ACC 331	Cost Accounting (3) OR	
FIN 401	Intermediate Finance I (3)	
BUS 319	Business and Society (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)	

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

University Liberal Arts Foundation for Business	52 hours	
Free Electives	19 hours	
Lower Division Business Core	6 hours	
Upper Division Business Core	27 hours	
Marketing Core	18 hours	
MKT 302	Buyer and Consumer Behavior (3)	
MKT 304	Promotion and Advertising (3)	
MKT 305	Market Trends and Issues (3)	
MKT 425	International Marketing (3)	
MKT 440	Marketing Research and Reporting (3)	
MKT 480	Marketing Management (3)	
Total Degree Hours		128 hours
Electives from the following:		
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)	

MINOR REQUIREMENTS — BUSINESS *

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

CIS 180	Microcomputer Applications (selected options) (3)
ECN 201	Macroeconomic Principles (3)

Required Business Minor Core:

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

Total Hours for Minor 18 hours

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

MINOR REQUIREMENTS — LEADERSHIP STUDIES *

BUS 309	Career Planning and Development (3)
BUS 319	Business and Society (3)
BUS 312	Leadership History and Concepts (3)
BUS 495	Leadership Practicum (3)
MGT 301	Principles of Management (3)
MGT 304	Business Facilitation Skills (3)

Total Hours for Minor 18 hours

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

**MASTER OF BUSINESS ADMINISTRATION —
REQUIRED CORE COURSES**

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

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

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)
ACC 619	Accounting Theory (3)
ACC 620	Financial Statement Analysis (3)

CONCENTRATION IN HEALTH CARE ADMINISTRATION:

BUS 690	Special Topics in Business (3)
HCA 630	Health Care Delivery Systems (3)
HCA 698	Practicum in Health Care Administration (3)

CONCENTRATION IN INTERNATIONAL BUSINESS MANAGEMENT:

BUS 626	International Business Management (3)
MKT 628	International Marketing (3)
BUS 629	International Business Practicum (3)

ACCOUNTING

ACC 211 Financial Accounting 3 hours

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

ACC 212 Managerial Accounting 3 hours

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 Intermediate Accounting I 3 hours

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 Intermediate Accounting II 3 hours

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 Cost Accounting 3 hours

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 Advanced Cost Accounting 3 hours

Spring, 1999, and alternate years. Continuation of ACC 331. Study of advanced management accounting topics with an emphasis on current cost accounting practices. Prerequisite: ACC 331.

ACC 351 Income Tax Accounting — Individual 3 hours

Fall, 1997, and alternate years. 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 Advanced Accounting 3 hours

Every Fall. Accounting theory applicable to partnerships and business combinations, international accounting, and governmental accounting. Prerequisite: ACC 322.

ACC 428 Income Tax Accounting — Corporate 3 hours

Spring, 1998, and alternate years. A study of the theory and practices of accounting for income taxes of corporations, partnerships, estates, and trusts. Prerequisites: ACC 322.

ACC 481 Auditing Theory and Practice 3 hours

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 Accounting Theory 3 hours

Fall, 1998, and alternate years. An exploration of financial accounting theory and its role in current accounting practice. Prerequisite: ACC 322.

ACC 499 Independent Study 1 - 4 hours

On demand. See page 24.

BUSINESS

BUS 251 Business Statistics 3 hours

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 CIS 180.

BUS 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. 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.

BUS 307 Business Communications 3 hours

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 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.	3 hours
BUS 310 Business Law I Every semester. A study of our business legal system and the nature and sources of law, including the laws of torts, crimes, strict liability, intellectual property, contracts, secured transactions, real property, and bankruptcy.	3 hours
BUS 312 Leadership History and Concepts On demand. 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.	3 hours
BUS 315 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.	3 hours
BUS 319 Business and Society On demand. A comprehensive course dealing with macro-environmental issues of concern to business. The course encompasses the political, social, economic, legal, ethical, and other environments of business. Emphasis is placed on a stakeholder's approach as opposed to an economic interpretation of the firm and its responsibilities. Prerequisite: PHI 317 or equivalent.	3 hours
BUS 323 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.	3 hours
BUS 410 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.	3 hours
BUS 411 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.	3 hours
BUS 414 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.	3 hours
BUS 429 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.	1 - 3 hours each
BUS 480 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.	3 hours

BUS 495 Leadership Practicum On demand. Instruction in and application of service to others within a variety of community service environments. Emphasis on development and implementation of a service project within a community setting that will demonstrate the student's leadership initiative.	3 hours
BUS 499 Independent Study On demand. See page 24.	1 - 4 hours

COMPUTER INFORMATION SYSTEMS

CIS 180 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: CIS 180D and CIS 180H require CIS 180A. CIS 180E requires CIS 180B. CIS 180J requires ACC 211.	1 hour modules
CIS 301 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: CIS 180, Admission to Advanced Standing in the College of Business.	3 hours
CIS 302 Database and Decision Support Systems Every Spring. An in-depth examination of database systems and the various computer-based support systems that are used to aid decision making. Systems examined include database systems, decision support systems, expert systems, group decision support systems. Emphasis is on appropriate application and implementation. Quantitative and qualitative decision making models and tools will be covered. Prerequisite: CIS 301.	3 hours
CIS 303 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.	3 hours

ECONOMICS

ECN 201 Microeconomics 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.	3 hours
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ECN 202 Microeconomics Principles Every semester. A microeconomics introduction covering prices and competition, non-price 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.	3 hours
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ECN 333 Managerial Economics 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.	3 hours
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ECN 363 Money and Banking 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.	3 hours
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ECN 423 Comparative Economic Systems On demand. 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.	3 hours
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FINANCE

FIN 301 Fundamentals of Business Finance 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.	3 hours
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FIN 303 Investments 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.	3 hours
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FIN 305 Derivatives 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.	3 hours
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FIN 401 Intermediate Finance I 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.	3 hours
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FIN 402 Intermediate Finance II Every Spring. Continuation of FIN 401 . Case studies in financial management. Prerequisites: FIN 301, FIN 401.	3 hours
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FIN 405 Management of Commercial Banks 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.	3 hours
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FIN 425 International Trade and Finance 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.	3 hours
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FIN 499 Independent Study On demand. See page 24.	1 - 4 hours
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MANAGEMENT

MGT 301 Principles of Management 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.	3 hours
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MGT 304 Business Facilitation Skills 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 in College of Business.	3 hours
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MGT 310 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.	3 hours
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MGT 313 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.	3 hours
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MGT 321 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.	3 hours
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MGT 415 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.	3 hours
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MGT 418 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 intrapreneurship in established corporations are also discussed. Prerequisites: Admission to Advanced Standing in the College of Business, MGT 301, FIN 301, and MKT 301.	3 hours
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MGT 499 Independent Study On demand. See page 24.	1 - 4 hours
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MARKETING

MKT 301 Principles of Marketing 3 hours

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 Buyer and Consumer Behavior 3 hours

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 Sales and Sales Management 3 hours

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 Promotion and Advertising 3 hours

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 Market Trends and Issues 3 hours

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 Retail Management 3 hours

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 International Marketing 3 hours

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 Marketing Research and Reporting 3 hours

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. 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 24.

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 corporation 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 Accounting Theory 3 hours

On demand. An examination of the central issues which arise in the 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 Financial Statement Analysis 3 hours

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 Organizational Development 3 hours

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 Entrepreneurship 3 hours

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 Investments 3 hours

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 International Business 3 hours

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 International Marketing 3 hours

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 International Business Practicum 1 - 3 hours each

Every year. Phoenix residential in January (between Fall and Spring semesters). Foreign residential 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 residential (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 Health Care Delivery Systems 3 hours

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 Ethics in Health Care Administration 3 hours

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 Special Topics in Business 1 - 3 hours

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 Practicum in Health Care Administration 3 hours

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

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

UNIVERSITY LIBERAL ARTS FOUNDATION FOR THE COLLEGE OF CHRISTIAN STUDIES

- | | |
|---|----------|
| I. Christian Perspectives: | 6 hours |
| <i>College of Christian Studies majors must complete Track 1 requirements.</i> | |
| Track 1: BIB 113 Old Testament History (3) | |
| BIB 123 New Testament History (3) | |
| II. Communication: | 10 hours |
| A. English - 6 hours * | |
| ENG 101 Academic Writing (3) | |
| ENG 102 Research Writing (3) | |
| B. Speech - 3 hours | |
| SPC 113 Fundamentals of Speech (3) | |
| C. Computer Literacy - 1 hour | |
| CIS 180 Computer Information Systems Module (1) | |
| D. Additional Communication Requirements for College of Christian Studies 3 hours | |
| CIS 180B Beginning Spreadsheet (1) | |
| CIS 180C Beginning Database (1) | |
| CIS 180D Desktop Publishing (1) | |
| III. Heritage | 6 hours |
| A. History - 3 hours | |
| Any history course with an "HIS" prefix | |
| Recommended courses include: | |
| HIS 103 Early American History (3) | |
| HIS 104 Recent American History (3) | |
| HIS 105 Western Civilization to 1500 (3) | |
| HIS 106 Western Civilization Since 1500 (3) | |
| B. Literary and Philosophical Tradition - 3 hours | |
| Any literature course with an "ENG" prefix or | |
| any philosophy course with a "PHI" prefix | |
| IV. Personal and Social Environment | 3 hours |
| PSY 101 General Psychology (3) | |
| <i>Additional Personal and Social Environment Requirements for College of Christian Studies</i> | |
| SOC 101 Introduction to Sociology (3) | 3 hours |

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|---|---------|
| V. Mathematical Inquiry | 3 hours |
| MAT 120 Intermediate Algebra (3) or higher mathematics course (3) | |
| IV. Scientific Inquiry | 4 hours |
| Any biology (BIO), chemistry (CHM), geology (GLG), or physics (PHY), course which contains a laboratory component | |
| VII. Fine Arts | 3 hours |
| Any art, music, or theatre course (3) | |

Additional Requirement for College of Christian Studies majors: 2 hours
 Physical Education Activity Courses (2)

Total University Liberal Arts Foundation requirements: 43 hours

* Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 40 hours for those students.

DEGREE REQUIREMENTS — BIBLICAL/THEOLOGICAL STUDIES (B.A. DEGREE; Minor Required)

University 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 |

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| 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 |

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|---|--|
| 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 274 Beginners Greek I (3) | |

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|---------|-------------------------------------|--|
| GRK 284 | Beginners Greek II (3) | |
| 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)

University Liberal Arts Foundation for the College of Christian Studies (See Page 48)

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|---|-----------------|
| 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 |

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|---|-----------------|
| 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

DEGREE REQUIREMENTS — CREATIVE ARTS IN WORSHIP (B.A. DEGREE; No Minor Required)

University Liberal Arts Foundation for the College of Christian Studies (See page 48)

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.

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|--|---------|
| Creative Arts in Worship Major Core | |
| ARH 100 Art Appreciation | 3 hours |
| ART 201 Photography I | 3 hours |
| BUS 307 Business Communications | 3 hours |
| CIS 180 Microcomputer Applications (A,D,G) | 3 hours |

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| 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 44

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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 243 | Church Administration | 3 hours |
| MIN 315 | Basic Christian Discipleship | 3 hours |
| MIN 443 | Leadership for Ministry | 3 hours |

Total Christian Studies Core Hours 24

Total Core Hours 68

Additional Emphasis Requirements (Select One)

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|-----------------------------|---|---------|
| 1. Music Emphasis | | |
| CAW 410 | Worship Internship I | 3 hours |
| CAW 411 | Worship Internship II | 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 | |

† Must be taken concurrently.

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|---|-----------------------------------|---------|
| 2. Speech/Performance Studies Emphasis | | |
| CAW 412 | Worship Internship I | 3 hours |
| CAW 413 | Worship Internship II | 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 I | 3 hours |
| CAW 415 | Worship Internship II | 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 | |

MINOR REQUIREMENTS — CHAPLAIN CERTIFICATION PROGRAM

The Chaplain Certification Program is available to individuals currently employed in a law enforcement agency. Participants must meet one of the following: completed a four year degree from a regionally accredited institution with PSY 101, or completed the Police Academy and PSY 101. Further information may be obtained through the Office of the Dean in the College of Christian Studies.

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|-----------|----------------------------|-----------|
| * PSY 101 | Introduction to Psychology | (3 hours) |
| BIB 113 | Old Testament History | 3 hours |

BIB 123	New Testament History	3 hours
MIN 498	Living with Loss	3 hours
MIN 315	Basic Christian Discipleship	3 hours
PSY 443	Fundamentals of Counseling	3 hours
SOC 333	Marriage and the Family	3 hours
CPL 210	Introduction to Chaplain's Ministry	2 hours
CPL 498A	Special Topics: Investigative Techniques/Ministry/Satanic Crimes	3 hours
CPL 498B	Special Topics: Role of Male/Female Police Chaplaincy Ministry	1 hour
CPL 498C	Special Topics: Dealing with Victims	1 hour
CPL 498D	Special Topics: Conflict Resolution/Violence/Gangs	2 hours
Total Chaplain Certification Program		27 hours

* Prerequisite

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

On demand. 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

On demand. 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 103 3 hours
Survey of the Bible

Every semester. An introduction to the study of the Bible to provide essential background information of God's redemptive work throughout history. This course, in combination with UNV 304, UNV 305, or UNV 306 will meet the U.L.A.F. requirements 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 2 hours
Biblical 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. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

BIB 423 3 hours
General Epistles and Revelation

Spring, 1998, and alternate years. A study of the historical background, authorship, and exegetical analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: BIB 113, BIB 123.

BIB 432 3 hours
Old Testament Prophets

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 3 hours
Life and Teachings of Christ

Fall, 1998, 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 3 hours
The Pentateuch (Genesis - Deuteronomy)

Fall, 1998, 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 3 hours
Life and Letters of Paul

Spring, 1999, 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 3 hours
Old Testament Poetry

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 3 hours
Biblical Backgrounds

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 3 hours
Special Topics

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 1 - 4 hours
Independent Study

On demand. See page 24.

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 I - 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 II - 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 I - 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 II - 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 I - 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 II - 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**.

CHAPLAIN STUDIES

CPL 210 2 hours
Introduction to Chaplain's Ministry

On demand. Designed to introduce law enforcement agents to the role of chaplains within the law enforcement environment. Prerequisite: Acceptance into the Chaplain Certification Program or instructor's approval.

CPL 498 1 - 3 hours
Special Topics

On demand. Topics of interest to students not covered in depth in other courses will be considered. Current offerings include but are not limited to:

- A. **Investigative Techniques/Ministry/Satanic Crimes (3 hours)** - analyze definitions of satanic activities, investigate techniques and awareness of cults and cult activity.
- B. **Role of Male/Female Police Chaplaincy Ministry (1 hour)** - students will examine key biblical text, understand and evaluate the major positions and their underlying assumptions, interact with contemporary literature and representatives of each position, and then apply the resulting principle to ministry situations in law enforcement.
- C. **Dealing with Victims (1 hour)** - designed to help the student better understand how to deal with victims (i.e. death and dying, suicide, homicide, traumatic events and divorce).
- D. **Conflict Resolution/Violence/Gangs (2 hours)** - designed to teach students how to resolve conflicts constructively.

Prerequisite: Acceptance into the Chaplain Certification Program or instructor's approval.

HISTORICAL/THEOLOGICAL STUDIES

HTH 303 3 hours
Baptist and American Church History

Every Spring. 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 3 hours
Christian Missions

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 3 hours
Psychology of Religion

Every Spring. 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 3 hours
History of Christianity

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 3 hours
Christian Doctrines

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 3 hours
Contemporary Theology

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 2 hours
Historical/Theological 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.

HTH 463 3 hours
World Religions

Spring, 1999, and alternate years. Also **PHI 463**. A study of the major contemporary religions of the world including both historical background and development, and current beliefs and practice with emphasis on basic religions, Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shinto, Zoroastrianism, Judaism, Islam, and Baha'i.

HTH 498 3 hours
Special Topics

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 1 - 4 hours
Independent Study

On demand. See page 24.

PRACTICAL MINISTRIES

MIN 201 3 hours
Development in Ministries

Every Fall. 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.

MIN 203 3 hours**Introduction to Youth Ministry**

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 3 hours**A Survey of Christian Education**

Fall, 1998, 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 3 hours**Church Administration**

Spring, 1999, 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 3 hours**Christian Drama**

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 3 hours**Basic Christian Discipleship**

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 3 hours**Evangelism**

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 3 hours**Instructional Technology**

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 3 hours**Pastoral Ministry**

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 3 hours**Homiletics**

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 3 hours**Hymnology**

Fall, 1998, 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 2 hours**Practical Ministries 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.

MIN 415 3 hours**Evangelism in the Contemporary Church**

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 3 hours**Leadership for Ministry**

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. Prerequisites: Junior Status.

MIN 490 3 hours**Senior Seminar**

On demand. The integration of one's call to ministry and vocational intent based on their academic activity. This course should be taken during the student's final semester. Prerequisite: Senior status, and instructor's approval.

MIN 497 1 - 3 hours**Ministerial Internship**

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 3 hours**Special Topics**

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 1 - 4 hours**Independent Study**

Every semester. See page 24.

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.

GRK 284 4 hours**Beginner's Greek II**

Spring, 1998, and alternate years. Continuation of **GRK 274**. A study of McWice's Grammar is completed, with simple exercises for reading and translation. Prerequisite: GRK 274 or equivalent.

GRK 373 3 hours**Advanced Greek Grammar I**

Fall, 1998, 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 a New Testament book 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, 1999, 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 24.

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.
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	Studio Art
Speech	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 are listed in the Music Student Handbook which is available in 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.

* UNIVERSITY LIBERAL ARTS FOUNDATION — COLLEGE OF COMMUNICATIONS AND FINE ARTS †

The University Liberal Arts Foundation for the College of Communications and Fine Arts differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in the College of Communications and Fine Arts must complete all requirements listed below as part of the U.L.A.F. for the College of Communications and Fine Arts. Changes and additional requirements are indicated by italicized print.

I. Christian Perspectives:	6 hours
Track 1: BIB 113 Old Testament History (3) and BIB 123 New Testament History (3)	
Track 2: One of the following courses: BIB 103 Survey of the Bible (3) BIB 113 Old Testament History (3) BIB 123 New Testament History (3)	
AND One of the following courses: UNV 304 Faith and Living: Issues for the 21st Century (3) UNV 305 The Christian Mind (3) UNV 306 Foundations of the Christian Faith (3)	
II. Communication:	10 hours
A. English - 6 hours ENG 101 Academic Writing (3) ENG 102 Research Writing (3)	
B. Speech - 3 hours SPC 113 Fundamentals of Speech (3)	
C. Computer Literacy - 1 hour CIS 180 Computer Information Systems Module (1)	
III. Heritage	6 hours
A. History - 3 hours Any history course with an "HIS" prefix Recommended courses include: HIS 103 Early American History (3) HIS 104 Recent American History (3) HIS 105 Western Civilization to 1500 (3) HIS 106 Western Civilization Since 1500 (3)	
B. Literary and Philosophical Tradition - 3 hours Any literature course with an "ENG" prefix or any philosophy course with a "PHI" prefix	
IV. Personal and Social Environment	3 hours
Any economics (ECN), foreign language (FRE, GER, SPA, etc.), geography (GEO), political science (POS), psychology (PSY), or sociology (SOC) course	
V. Mathematical Inquiry	3 hours
MAT 120 Intermediate Algebra (3) or higher mathematics course (3)	
IV. Scientific Inquiry	4 hours
Any biology (BIO), chemistry (CHM), geology (GLG), or physics (PHY), course which contains a laboratory component	
VII. Fine Arts	3 hours
Art (ARH or ART) elective (3) Additional Fine Arts requirements for the College of Communications and Fine Arts	6 hours
Music (MUS or applied music) elective (3) Theatre (TRE) elective (3)	
Total University Liberal Arts Foundation requirement for the College of Communications and Fine Arts:	41* hours

* Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 38 hours for those students.

† Students in the College of Communications and Fine Arts with a Secondary Education major complete only the University Liberal Arts Foundation for the College of Education (See page 78).

Department of Art

DEPARTMENT DESCRIPTION

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.

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

University Liberal Arts Foundation for Secondary Education Program (See page 78)

Admission to Teacher Education Programs (See pages 76-77)

Secondary Education Major Required (See page 79)

Anyone seeking K-12 endorsement must also student teach art at the elementary level.

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.

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 Education major 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.

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

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	Graphic Design Internship I	3 hours
DGN 412	Graphic Design Internship II	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.

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

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 Hours 24

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	3 hours
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	3 hours
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 Art Media and Methods for the Elementary Teacher 3 hours

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 Art in the Secondary School 3 hours

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 Art Appreciation 3 hours

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 Art History I 3 hours

Fall, 1998, and alternate years. A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art up to the Renaissance.

ARH 234 Art History II 3 hours

Spring 1999, and alternate years. A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-Classic, Romantic and Modern epochs.

ARH 396 Art History Tutoring 2 hours

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 Contemporary Art 3 hours

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 American Art 3 hours

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 Drawing I 3 hours

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 Photography I 3 hours

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 Drawing II 3 hours

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 Basic Shop Techniques 3 hours

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 the operation of shop equipment.

ART 223 Painting I 3 hours

Fall, 1998, 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 Sculpture I 3 hours

Every semester. An introduction to the sculpting processes of carving, modeling and fabricating, emphasizing volume, movement and space.

ART 252 Printmaking I 3 hours

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 Ceramics I 3 hours

Every semester. An introduction to the nature of clay and glazes, with an emphasis being placed on the forming techniques of hand-building.

ART 272 Jewelry I 3 hours

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 Photography II 3 hours

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 Drawing III 3 hours

By arrangement. Advanced studio problems and techniques in drawing. Course may be repeated for up to six (6) hours credit. Prerequisite: Instructor's approval, ART 111 and ART 211.

ART 323 Painting II 3 hours

Spring, 1999, 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 Sculpture II 3 hours

Every Spring. Continued exploration of sculpting processes of casting, welding and plastics. Prerequisite: ART 231.

ART 332 Art Workshop 3 hours

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, 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, ART 201 and ART 301.

ART 352 Printmaking II 3 hours

Spring, 1998, 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. Learning the use of the potter's wheel and continued study of 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, 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, 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 resume. 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, 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, 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 Computer Graphics I	3 hours
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 Graphic Design II	3 hours
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 Computer Graphics II	3 hours
Every Spring. Continuation of advanced study and development of design generated in graphic software. Prerequisite: DGN 263.	
DGN 396 Design 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.	

DGN 411 Graphic Design Internship I	3 hours
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 Graphic Design Internship II	3 hours
Every semester. Continuation of DGN 411 . Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: Instructor's approval and DGN 411.	
DGN 433 Graphic Design III	3 hours
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, Fine Arts Management, and Speech Teaching.

The Department of Communications and Speech also supports a competitive speech team and Readers Theatre ensembles that offer many 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 audition.

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)

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

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
CIS 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 Core 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
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 I	3 hours
COM 418	Broadcasting Internship II	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

2. Journalism Emphasis

COM 411	Journalism Internship I	3 hours
COM 412	Journalism Internship II	3 hours
ENG 315	Historical and Sociological Aspects of English	3 hours
JRN 300	Advanced News Writing and Reporting	3 hours
JRN 414	Small Newspaper II (2 semesters)	6 hours

Total Emphasis Hours 18

3. Photojournalism Emphasis			
ART 301	Photography II	3	hours
COM 413	Photojournalism Internship I	3	hours
COM 414	Photojournalism Internship II	3	hours
JRN 243	Photojournalism I	3	hours
JRN 343	Photojournalism II	3	hours
JRN 383	Publications Photography	3	hours
Total Emphasis Hours			18

4. Public Relations Emphasis			
COM 415	Public Relations Internship I	3	hours
COM 416	Public Relations Internship II	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

* Course descriptions for Communications courses can be found under the areas of Art, Business, Education, English, Journalism, Music, Philosophy, and Speech.

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 (B.A. DEGREE; No Minor Required)

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

Additional Emphasis Hours Required

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.

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
CIS 180	Computer Application Modules (WordPerfect, Pagemaker, Beginning Spreadsheets)	3	hours
DGN 223	Advertising Design	3	hours
DGN 263	Computer Graphics I	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
Lower Division Core Hours			30
Upper Division:			
BUS 310	Business Law I	3	hours
CIS 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
Upper Division Core Hours			33
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:			
MED 442	Instrumental Literature and Pedagogy (3)	6	hours
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:			
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)

University Liberal Arts Foundation for College of Communications and Fine Arts (See page 54)

University Liberal Arts Foundation for Secondary Education Program (See page 78)

Admission to Teacher Education Program (See pages 76-77)

Secondary Education Major Required (See page 79)

Minor 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 (See page 72)

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 Communications Orientation 0 hours

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 Dramatic Arts for Teachers 3 hours

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 Broadcasting 3 hours

Every Spring. An overview of broadcasting and electronic media for radio and television.

COM 305 Parliamentary Procedure 3 hours

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's approval.

COM 307 Sports Broadcasting 3 hours

Every Summer. A course designed to teach students the basic components of a sports related radio or television broadcast.

COM 310 Principles of Public Relations 3 hours

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 Practicum 1 - 4 hours

Every semester. See page 24-25.

COM 411 Journalism Internship I 3 hours

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 Journalism Internship II 3 hours

Every semester. Continuation of COM 411. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 411.

COM 413 Photojournalism Internship I 3 hours

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 Photojournalism Internship II 3 hours

Every semester. Continuation of COM 413. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 413.

COM 415 Public Relations Internship I 3 hours

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 Public Relations Internship II 3 hours

Every semester. Continuation of COM 415. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 415.

COM 417 Broadcasting Internship I 3 hours

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 Broadcasting Internship II 3 hours

Every semester. Continuation of COM 417. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: COM 417.

COM 499 Independent Study 1 - 4 hours

Every semester. See page 24.

FINE ARTS MANAGEMENT

FAM 201 Introduction to Fine Arts Management 3 hours

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 Principles of Fine Arts Management 3 hours

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: FAM 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 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 six (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. Prerequisite: JRN 200.

JRN 341 **3 hours**
Photojournalism I
 Fall, 1998, 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 343 **3 hours**
Photojournalism II
 Spring, 1999, 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. Prerequisite: JRN 243.

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*. Prerequisite: Instructor's approval and ART 201.

JRN 399 **1 - 4 hours**
Practicum
 Every semester. See pages 24-25.

JRN 414 **3 hours**
Small Newspaper II
 Every semester. Continuation of **JRN 314**. May be repeated for a maximum of six (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 24.

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, 1999, 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 processes specifically within the context of mass media. Prerequisite: Junior or Senior status or instructor's approval.

SPC 399 **1 - 4 hours**
Practicum
 On demand. See pages 24-25.

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 24.

Department of Music

DEPARTMENT DESCRIPTION

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.

DEGREE REQUIREMENTS — APPLIED MUSIC (B.A. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

Select Emphasis from: Instrumental, Piano/Organ, or Vocal

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirements)

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)	8	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
∖	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 examination before student teaching and before the senior recital.

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	hours
M—	—	Applied Studio Guitar	2	hours
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	420	Advanced Keyboard Skills	1	hour

MUS 425	Piano Pedagogy I	3 hours
MUS 426	Piano Pedagogy II	3 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 (Music minors choosing piano as their major applied instrument must pass the piano proficiency examination.)	4 hours
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, Italian, French, German Diction		
211	(Voice Emphasis Only)	(3 hours)
MUS 191A	Aural Perception I	2 hours
MUS 191B	Harmony I	2 hours
MUS 281	Fundamentals of Conducting (2) OR	
MUS 381	Conducting I (2)	2 hours
MUS 371	Music History I (3) OR	
MUS 372	Music History II (3)	3 hours
Total Minor Hours		19 (22)

DEGREE REQUIREMENTS —

CHURCH MUSIC

PIANO PERFORMANCE

VOCAL PERFORMANCE

(B.M. DEGREE; No Minor Required)

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

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 examination before student teaching and before the senior recital.

CHURCH MUSIC

Select emphasis from:
Choral Conducting, Instrumental, Keyboard, or Vocal

Church Music Core		
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 393	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:		
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 reaudition demonstrating 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	3 hours
MUS 426	Piano Pedagogy II	3 hours
MUS 429	Accompanying	1 hour
— —	Electives	6 hours
Piano Performance Hours		48
Bachelor of Music Core Hours		41
TOTAL HOURS		89

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
M— —	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

DEGREE REQUIREMENTS — MUSIC EDUCATION (B.S. DEGREE; No Minor Required)

University Liberal Arts Foundation for the College of Communication and Fine Arts (See page 54)

University Liberal Arts Foundation for the Secondary Education Program (See page 78)

Additional Emphasis Hours Required

Admission to Teacher Education Programs (See pages 76-77)

Secondary Education Major Required (See page 79)

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.

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 requirements for Music Core, Music Education Core and Emphasis.

All Music Majors must complete seven semesters of ensemble participation according to emphasis (one ensemble per semester). Additional 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 examination. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency examination 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 474 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, 1998, 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
 Every Spring. 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, 1999, 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
 Every Fall. 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, and 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. Studio, area, and department recitals of all music and performing arts major and minors. Details listed in the 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
Music Workshop

Every semester. Practice, study and performance of music in a workshop setting. May be repeated for credit. Prerequisite: Instructor's approval.

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. 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. 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.

MPS 109 1 hour

Class Piano - Arranging for the Church Pianist

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 1 hour

Class Piano - Arranging for the Church Pianist

Every semester. Continuation of **MPS 109**. Meets two hours per week. Prerequisite: MPS 109 or instructor's approval.

MPS 309 1 hour

Class Piano - Arranging for the Church Pianist

Every semester. Continuation of **MPS 209**. Meets two hours per week. Prerequisite: MPS 209 or instructor's approval.

MPS 409 1 hour

Class Piano - Arranging for the Church Pianist

Every semester. Continuation of **MPS 309**. Meets two hours per week. Prerequisite: MPS 309 or instructor's approval.

MVC 109 1 hour

Class Voice (Majors)

Every semester. Required for those music majors whose audition indicated limited vocal training. Meets two hours per week.

MVC 209 1 hour

Class Voice (Majors)

Every semester. Continuation of **MVC 109**. Meets two hours per week. Prerequisite: MVC 109 or instructor's approval.

MVC 309 1 hour

Class Voice (Majors)

Every semester. Continuation of **MVC 209**. Meets two hours per week. Prerequisite: MVC 209 or instructor's approval.

MVC 409 1 hour

Class Voice (Majors)

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/Class Voice (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/Class Voice (non-majors)

Every semester. 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/Class Voice (non-majors)

Every semester. 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/Class Voice (non-majors)

Every semester. 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 129 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 readmission, 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 Private Applied Instruction (Emphasis Area)	2 - 4 hours
Every semester. Continuation of M-A, M-E, M-M 229 . Prerequisite: M-A, M-E, M-M 129.	
M-A, M-E, M-M 329 Private Applied Instruction (Emphasis Area)	2 - 4 hours
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 Private Applied Instruction (Emphasis Area)	2 - 4 hours
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 Private Applied Instruction (Emphasis Area)	2 - 4 hours
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 Private Applied Instruction (Emphasis Area)	1 - 2 hours
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 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 119 . Prerequisite: M-L 119 or instructor's approval.	
M-L 219 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 129 . Prerequisite: M-L 129 or instructor's approval.	
M-L 229 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 219 . Prerequisite: M-L 219 or instructor's approval.	
M-L 319 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 229 . Prerequisite: M-L 229 or instructor's approval.	
M-L 329 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 319 . Prerequisite: M-L 319 or instructor's approval.	
M-L 419 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 329 . Prerequisite: M-L 329 or instructor's approval.	
M-L 429 Private Applied Instruction (Emphasis Area)	1 - 2 hours
Every semester. Continuation of M-L 419 . Prerequisite: M-L 419 or instructor's approval.	

MUSIC EDUCATION

MED 003 Music Educator's National Conference	0 hours
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 Woodwind Instrument Class	1 hour
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 Brass Instrument Class	1 hour
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 Percussion Instrument Class	1 hour
Every Fall. Same format as MED 241 , except pertaining to percussion instruments. Prerequisite: Sophomore status.	
MED 252 String Instrument Class	1 hour
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 Instrumental Music Organization	2 hours
Fall, 1998, 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, and MUS 292.	
MED 381 Music in the Elementary Grades	3 hours
Fall, 1998, 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 Music in the Junior and Senior High School	3 hours
Spring, 1999, and alternate years. A study of methods for developing and conducting the music program in Junior and Senior high schools. Methods, materials, topics, and issues in music education will be used to prepare music education majors to enter the teaching profession. 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, and junior status.	

MUSIC ENSEMBLES

MEN 109 University Chorale	1 hour
Every semester. 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.	

MEN 111 University Singers	1 hour
Every semester. An ensemble of 20 to 40 voices 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.	
MEN 129 Small Jazz Ensemble	1 hour
Every semester. A performance 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 Concert Jazz Band	1 hour
Every semester. Performance of jazz-oriented material written or arranged for the Concert Jazz Band.	
MEN 152 Beginning Handbells	1 hour
On demand. 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
On demand. Instrumental performance ensemble for guitar emphasizing group performance in a variety of musical idioms. Prerequisite: Instructor's approval.	
MEN 252 Advanced Handbells	1 hour
On demand. 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. Students must be enrolled in University Chorale before being considered for this ensemble. Prerequisites: Audition and instructor's approval.	
MEN 303 Chorale Ensemble	1 hour
On demand. Designed to provide a quality performance experience for music majors and non-majors in an ensemble setting.	
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, and 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.

DEGREE REQUIREMENTS — SPEECH/THEATRE (B.A. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

Minor Required

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.

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

* Students are required to select three out of four available participation credits. Both speech and theatre must be represented.

DEGREE REQUIREMENTS — THEATRE/DRAMA (B.A. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Communications and Fine Arts (See page 54)

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

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, or 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, 1999, and alternate years. Also **MIN 270**. A creative Christian dramatics lab. Emphasis on writing, directing, selecting, and editing, as well as performing religious drama. Ways and means of 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, 1999, 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, 1999, 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, 1998, 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, 1999, and alternate years. A comprehensive study of the major periods and forms of dramatic literature dating from the Restoration 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 pages 24-25.

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, 1999, and alternate years. Scene study is the final course of the acting series. Students will be involved with intense duet scene 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 24.

College of Continuing Studies

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 statement "**Those Who Can . . . Teach**" is the basis of the **mission statement** of the College of Education.

The mission is manifested in the preparation of reflective **practitioners** who have foundational **knowledge** in encouraging **student focused learning** through implementing quality **instructional design** and effective **classroom procedures**.

The Teacher education undergraduate program has been accredited by the Commission on Institutions of Higher Education of the Commission on Institutions of Higher Education, North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, 312/263-0456, 800/621-7440, since 1968.

The Master of Arts (M.A.) and the Master of Education (M.Ed.) degree programs were accredited in June, 1987. The Master of Arts in Teaching (M.A.T.) was accredited in February 1996. Refer to pages 80-82 for descriptions of those programs of study.

The teacher education program at Grand Canyon University has been approved by the Arizona Board of Education since 1954.

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 school 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., M.A., and M.A.T. 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 120 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 15 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 teacher certification 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. Teaching English as a Second Language Provisional Endorsement (An Arizona elementary, secondary, or special education teaching certificate, three [3] hours of ESL 420, and three [3] hours of ESL 523 is required.) This is valid for one year, renewable twice, and requires six (6) additional hours of coursework toward the regular ESL endorsement at each renewal.
4. 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 major requirements in: Art Education, Biology (Secondary Teaching), Chemistry (Secondary Teaching), English Teaching, History, Mathematics (Secondary Teaching), Music Education, Physical Education, Physics (Secondary Teaching), Speech Teaching, Speech/Theatre, and Theatre/Drama. Other majors may be considered upon consultation with a College of Education advisor and with the approval of the College of Education faculty.

5. 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 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 pages 80-84). The student who would be in the Fifth Year program is encouraged to enter the Master of Education (M.Ed.) program (see pages 80-81).

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 8).

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 failure to be allowed to continue in

the program.

As changes occur in the assessment process for future eligibility and continuance in the program, notifications will be posted in the College of Education one semester in advance. It is the student's responsibility to meet the requirements and changes.

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 Dean 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 or if a deficiency in any skill area is demonstrated.

- **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 wish to be placed in student teaching must make written application. Appropriate forms are available from the College of Education Office, located in the College of Education. 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. Any deficiencies must be remediated prior to the student teaching semester.

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.

UNIVERSITY LIBERAL ARTS FOUNDATION FOR THE COLLEGE OF EDUCATION ELEMENTARY EDUCATION PROGRAM AND SPECIAL EDUCATION PROGRAM *

The University Liberal Arts Foundation for the College of Education Elementary and Special Education majors differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in Elementary Education or Special Education within the College of Education must complete all requirements listed below as part of the U.L.A.F. Changes and additional requirements are indicated by italicized print.

- | | |
|---|------------------------|
| <p>I. Christian Perspectives:</p> <p>Track 1: BIB 113 Old Testament History (3) and
BIB 123 New Testament History (3)</p> <p>Track 2: One of the following courses:
BIB 103 Survey of the Bible (3)
BIB 113 Old Testament History (3)
BIB 123 New Testament History (3)
AND
One of the following courses:
UNV 304 Faith and Living: Issues for the 21st Century (3)
UNV 305 The Christian Mind (3)
UNV 306 Foundations of the Christian Faith (3)</p> | <p>6 hours</p> |
| <p>II. Communication:</p> <p>A. English - 6 hours **
ENG 101 Academic Writing (3)
ENG 102 Research Writing (3)</p> <p>B. Speech - 3 hours
COM 123 <i>Dramatic Arts for Teachers</i> (3)</p> <p>C. Computer Literacy - 1 hour
CIS 180 Computer Information Systems Module (1)</p> | <p>10 hours</p> |
| <p>III. Heritage</p> <p>A. History - 3 hours
Any history course with an "HIS" prefix
Recommended courses include:
HIS 103 Early American History (3)
HIS 104 Recent American History (3)</p> <p>B. Literary and Philosophical Tradition - 3 hours
PHI 303 <i>Philosophy of Education</i> (3)</p> | <p>6 hours</p> |
| <p>IV. Personal and Social Environment</p> <p>POS 252 <i>Federal Government</i> (2)
POS 262 <i>Arizona Government</i> (1)
<i>Additional Personal and Social Environment requirements for College of Education (Elementary/Special)</i>
PSY 101 <i>General Psychology</i> (3)</p> | <p>3 hours</p> |
| <p>V. Mathematical Inquiry</p> <p>MAT 130 Contemporary Mathematics I (3)
<i>Additional Mathematical Inquiry requirements for College of Education (Elementary/Special)</i>
MAT 131 <i>Contemporary Mathematics II</i> (3)</p> | <p>3 hours</p> |

IV. Scientific Inquiry 4 hours
 Any biology (BIO) course which contains a laboratory component (4)
 Recommended courses include:
 BIO 100 Biology Concepts (4)
 BIO 105 Environmental Biology (4)
 BIO 181 General Biology (4)
 Additional Scientific Inquiry requirements for College of Education (Elementary/Special) 4 hours
 Any chemistry (CHM), geology (GLG), or physics (PHY) course which contains a laboratory component (4)
 Recommended courses include:
 PHY 101 Introduction to Physical Science (4)
 PHY 111 General Physics I (4)

VII. Fine Arts 3 hours
 Any art, music, or theatre elective except art education (ARE) and music education courses (MED) (3)
 Additional Fine Arts requirements for College of Education (Elementary/Special) 3 hours
 Any art, music, or theatre elective except art education (ARE) or music education (MED)

Total University Liberal Arts Foundation Requirement for the College of Education (Elementary/Special Education): 48 hours

* NOTE: The Direct Transfer Plan from regionally accredited community colleges does not necessarily apply to the Teacher Education Programs. Contact an advisor through the College of Education office for advisement and transfer of credit. Request an Unofficial Program of Study for further clarification.
 ** Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 45 hours for those students.

UNIVERSITY LIBERAL ARTS FOUNDATION FOR THE COLLEGE OF EDUCATION SECONDARY EDUCATION PROGRAM *

The University Liberal Arts Foundation for the College of Education Secondary Education majors differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in Secondary Education within the College of Education must complete only the requirements listed below as part of the U.L.A.F. regardless of the College in which their major is offered. Changes and additional requirements are indicated by italicized print.

I. Christian Perspectives: 6 hours
 Track 1: BIB 113 Old Testament History (3) and BIB 123 New Testament History (3)
 Track 2: One of the following courses:
 BIB 103 Survey of the Bible (3)
 BIB 113 Old Testament History (3)
 BIB 123 New Testament History (3)
AND
 One of the following courses:
 UNV 304 Faith and Living: Issues for the 21st Century (3)
 UNV 305 The Christian Mind (3)
 UNV 306 Foundations of the Christian Faith (3)

II. Communication: 10 hours
 A. English - 6 hours **
 ENG 101 Academic Writing (3)
 ENG 102 Research Writing (3)
 B. Speech - 3 hours
 COM 123 Dramatic Arts for Teachers (3)
 C. Computer Literacy - 1 hour
 CIS 180 Computer Information Systems Module (1)

III. Heritage 6 hours
 A. History - 3 hours
 Any history course with an "HIS" prefix
 Recommended courses include:
 HIS 103 Early American History (3)
 HIS 104 Recent American History (3)
 HIS 105 Western Civilization to 1500 (3)
 HIS 106 Western Civilization Since 1500 (3)

B. Literary and Philosophical Tradition - 3 hours
 PHI 303 Philosophy of Education (3)
IV. Personal and Social Environment 3 hours
 POS 252 Federal Government (2)
 POS 262 Arizona Government (1)
 Additional Personal and Social Environment requirements for College of Education (Secondary Education) 3 hours
 PSY 101 General Psychology (3)

V. Mathematical Inquiry 3 hours
 MAT 120 Intermediate Algebra (3) or higher mathematics course (3)

IV. Scientific Inquiry 4 hours
 Any biology (BIO), chemistry (CHM), geology (GLG), or physics (PHY), course which contains a laboratory component

VII. Fine Arts 3 hours
 Any art, music, or theatre course (3)

Total University Liberal Arts Foundation Requirement for the College of Education (Secondary Education): 38 hours

** NOTE: The Direct Transfer Plan from regionally accredited community colleges does not necessarily apply to the Teacher Education Programs. Contact an advisor through the College of Education Office for advisement and transfer of credit. Request an Unofficial Program of Study for further clarification.
 * Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 35 hours for those students.

DEGREE REQUIREMENTS — ELEMENTARY EDUCATION/CERTIFICATION (Grades K-8) (B.S. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Education Teacher Education Programs (See pages 77-78)

Minor Required (In a content area commonly taught in grades K-8 in the Arizona Public Schools)

Electives (As required to satisfy the 128 semester hour minimum graduation requirement)

Elementary Education Major

PSY 353	Child Psychology	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
* ESL 420	English Linguistics	3 hours
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	3 hours
EED 443	Prescriptive Reading and Practicum	2 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 48 hours

* Provisional ESL Endorsement requires 6 hours of ESL coursework. Six hours of a foreign language or foreign language proficiency or other second language learning experiences as stated by the Arizona Department of Education will be required prior to receiving the full ESL endorsement.
 ** 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:

CIS —	Computer Application Modules (3)
ENG 475	Children's Literature (3)
ENG 471	Adolescent Literature (3)
* ESL 523	English Language Teaching Foundations and Methodologies (3)

GEO —	Geography Elective (3)
MED 381	Music in the Elementary Grades (3)
PED 363	Physical Education for the Exceptional Child (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)

U.L.A.F. for the College of Education Special Education Programs (See pages 77-78)

Minor Required (In a content area commonly taught in grades K-8 in the Arizona public schools.)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Learning Disabilities Major

PSY 353	Child Psychology	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
* ESL 420	English Linguistics	3 hours
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	3 hours
EED 443	Prescriptive Reading and Practicum	2 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 and 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 68 hours

* Provisional ESL Endorsement requires 6 (six) hours of ESL coursework. Six hours of a foreign language or foreign language proficiency or other second language learning as stated by the Arizona Department of Education will be required prior to receiving the full ESL Endorsement.
 ** 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)

U.L.A.F. for the College of Education Special Education Programs (See pages 77-78)

Minor Required (In a content area commonly taught in grades K-8 in the Arizona public schools.)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Emotionally Handicapped Major

PSY 353	Child Psychology	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
* ESL 420	English Linguistics	3 hours

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	3 hours
EED 443	Prescriptive Reading and Practicum	2 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 and 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 68 hours

* Provisional ESL Endorsement requires six (6) hours of ESL coursework. Six hours of a foreign language or foreign language proficiency or other second language learning as stated by the Arizona Department of Education will be required prior to receiving the full ESL Endorsement.
 ** These courses are taken concurrently prior to the 18 week student teaching semester.

DEGREE REQUIREMENTS — SECONDARY EDUCATION/CERTIFICATION (Grades 7-12) (B.S. DEGREE; Minor Recommended but not required)

U.L.A.F. for the College of Education Secondary Teacher Education Program (See page 78.)

Major in a content area commonly taught in the 7-12 Arizona classroom. Refer to the prospective departments for a listing of those major requirements (See pages 75-76)

Electives or Minor: A minor is recommended but not required as needed to satisfy the 128 semester hour minimum graduation requirement

Secondary Education/Certification

PSY 373	Adolescent Psychology	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	Reading and Learning Strategies for Middle and 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 pages 75-76.

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 is based upon a framework that provides for the professional growth of the teacher practitioner. This framework includes a cyclical process of inquiry, reflection, application, evaluation and additional reflections. These five elements are incorporated into the activities and assignments in each course of the program through a combination of collaborative and individual work.

The Master of Education (M.Ed.) degree program was designed for holders of a bachelor's degree seeking a graduate degree for the purpose of initial teacher certification or for the purpose of an initial concentration in the College of Education. Those students seeking initial certification will be expected to meet the criteria of teacher certification in elementary education, secondary education, or special education as well as the goals of the graduate program. This program parallels the other two graduate programs in their framework for professional growth with the exception that students may not have their own classrooms in which to make direct application of principles, concepts, strategies, and philosophies. The students in the non-certification area of concentration in higher education will be expected to meet the criteria of the goals of the graduate program. Coursework is presently offered in the following areas:

- Elementary Education
- Secondary Education
- Special Education
- Higher Education

The Master of Arts (M.A.) in Education degree was designed for the advanced preparation of practicing elementary and secondary certified teachers offering study in a specialized area of education. Certification requirements for the Arizona Department of Education are included in these programs of study. Coursework is presently offered in the following areas:

- Reading Education
- Teaching English as a Second Language

For those students who hold a bachelor's degree and do not hold a teaching certificate, there is a non-certification concentration in Teaching English as a Second Language.

The Master of Arts in Teaching (M.A.T.) program is offered only in a distance learning format and has been designed to promote a high quality graduate education experience in the convenience of a community or school without residency requirements. This program meets the needs of the practitioner in the field who does not intend to pursue further degrees. Rather, the primary focus is upon improving the quality of instruction for the certified teacher.

APPLICATION PROCEDURES FOR GRADUATE STUDIES

ELIGIBILITY FOR ADMISSION

All graduate students can purchase an admissions packet from the Graduate Office in the College of Education which also contains the Policy Handbook. Nine hours of graduate credit may be taken prior to admission to the master's program (except for M.A.T. 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);

8. Interview with the Director for Undergraduate and Graduate Studies and the Graduate Committee.

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;
4. 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;
8. Interview with the Director for Undergraduate and Graduate Studies and the Graduate Committee.

Acceptance into the graduate M.A. programs in Reading Education and Teaching English as a Second Language 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.

All elective courses must receive approval from the Director for Undergraduate and Graduate Studies prior to the student enrolling in coursework.

Master of Arts in Teaching (MAT) candidates must submit to the Graduate Office for Distance Learning in the College of Education:

1. Graduate application;
2. A 2.80 cumulative GPA;
3. Copy of current teaching certificate;
4. Two references;
5. Copy of most recent teacher evaluation;
6. Official transcripts from all regionally accredited colleges or universities attended;
7. Signed Credit Agreement.

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

Graduates must complete their entire program prior to participation in scheduled graduation exercises.

DEGREE REQUIREMENTS — MASTER OF EDUCATION (M.Ed.)

1.) PROGRAM OF STUDY FOR ELEMENTARY CERTIFICATION (Grades K-8)

Prerequisites:

- Federal and Arizona Government (POS 203) (3)
- General Psychology (PSY 101) (3)
- Child Psychology (PSY 353) (3)
- Educational Psychology (EDU 313) (3)
- Mathematics (MAT 130) (3)
- Mathematics (MAT 131) (3)
- Physical Lab Science (Recommended: PHY 101 or PHY 111) (4)
- Biology Lab Science (Recommended: BIO 100, BIO 105, or BIO 181) (4)
- Art, Music, Theatre, Dance, or COM 123 (9)

Professional Preparation Requirements:

- | | | |
|--|--|---------|
| Complete prior to Certification — 45 hours | | |
| EDU 570 | Philosophical/Social Issues | 3 hours |
| EDU 363 | Instructional Technology | 3 hours |
| SPE 325 | Educating Learners with Diverse Needs | 3 hours |
| * ESL 420 | English Linguistics | 3 hours |
| 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 | 3 hours |
| EED 443 | Prescriptive Reading and Practicum | 2 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 - 20 hours		
— —	Approved Elective at the 500 level	2 hours
EDU 571	Psychological Issues	3 hours
EDU 580	Internship OR	
EDU 599	599 Independent Study	2 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
Total Degree Hours		63 - 65 hours

* Provisional ESL Endorsement requires six (6) hours of ESL coursework. Six hours in a foreign language or a foreign language proficiency is required prior to receiving the full ESL Endorsement.

** 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)

Prerequisites:

- Federal and Arizona Government (POS 203) (3)
- General Psychology (PSY 101) (3)
- Adolescent Psychology (or equivalent) (PSY 373) (3)
- Educational Psychology (or equivalent) (EDU 313) (3)

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	Reading and Learning Strategies for Middle and 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 - 24 hours		
— —	Approved Electives at the 500 level	6 hours
EDU 571	Psychological Issues	3 hours
EDU 580	Internship OR	
EDU 599	Independent Study	2 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
Total Degree Hours		55 - 57 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.

4.) PROGRAM OF STUDY FOR HIGHER EDUCATION WITHOUT CERTIFICATION

Prerequisites:

- General Psychology (PSY 101) (3)

Industrial Psychology (PSY 430) (3)
Learning and Cognition (PSY 324) (3)

Core Education Requirements:

EDU 570	Philosophical/Social Issues	3 hours
EDU 463	Presentational Technology	3 hours
SED 442	Secondary Methods	3 hours
SED 543	Secondary Curriculum	3 hours
EDU 571	Psychological Issues	3 hours
EDU 580	Internship (2) OR	
EDU 599	Independent Study (2)	2 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

Higher Education area of concentration is designed in conjunction with the Director for Undergraduate and Graduate Studies for an additional 19 hours.

Total Degree Hours 47-49

DEGREE REQUIREMENTS — MASTER OF ARTS (M.A.)

1.) 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/	Adolescent Literature OR	
ENG 473/	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 580	Internship in Reading	3 hours
RDG 606	Research in Reading	3 hours
Total Degree Hours		35 hours

* Compliance with the Arizona Department of Education Reading Endorsement Certification (Grades K-12).

This program is offered to cohort groups of 15 students.

2.) 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, renewable annually by the state for up to three years when the twenty-one (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 or other second language learning experience as stated by the Arizona Department of Education available from the College of Education Graduate Office.

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 580	Internship in ESL or TESL	3 hours
ESL 610	Advanced Language Teaching Methodologies and Assessment	3 hours
ESL 611	Language Teaching Curriculum and Materials Design	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.

This program is offered to cohort groups of 15 students.

3.) 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 in ESL	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 OR	3 hours
—	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 (3) OR	
RDG 504	Innovative Reading Programs (3) OR	
RDG 606	Research in Reading (3)	3 hours
Total Degree Hours		37 hours

* This program is offered to cohort groups of 15 students.

4.) PROGRAM OF STUDY FOR SECONDARY TEACHERS with an area of specialization to be designed in conjunction with the Director for Undergraduate and Graduate Studies.

DEGREE REQUIREMENTS — MASTER OF ARTS IN TEACHING (M.A.T.)

PROGRAM OF STUDY

EDU 501	Overcoming Challenges Facing Professional Educators: The High Performing Teacher	3 hours
EDU 502	Effective Classroom Management	3 hours
EDU 503	The Challenging Learner: Succeeding with Difficult Students	3 hours
EDU 504	Collaborative Action Research - Part 1: Introduction	1 hour
EDU 505	Motivating Today's Learner	3 hours
EDU 506	Learning Styles and Multiple Intelligences	3 hours
EDU 507	Models of Effective Teaching	3 hours
EDU 508	Curriculum and Assessment	3 hours
EDU 509	Collaborative Action Research - Part 2: Data Collection and Analysis	1 hour
EDU 510	Including Students with Special Needs in the Classroom	3 hours
EDU 511	Current Issues	3 hours
EDU 512	Capstone Project	1 hour
Total Degree Hours		30

Students must be accepted in the M.A.T. graduate program prior to taking coursework. Since each course is designed to build upon previously learned information and competencies, courses should be taken in a sequential manner; each course is a prerequisite for the next.

EDUCATION

EDU 103 Learning Strategies for College Success 3 hours

On demand. 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 Learning Strategies for College Success 3 hours

On demand. Continuation of EDU 103 for those students desiring further development in this area.

EDU 202 Overcoming Math Anxiety 2 hours

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 Philosophy of Education 3 hours

Every semester. Also PHI 303. 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 Educational Psychology 3 hours

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, EDU 363, PSY 353 or PSY 373 recommended.

EDU 355 Using Computers in the Classroom 3 hours

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 Instructional Technology 2 - 3 hours

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/PHI 303 and EDU 313.

EDU 396 Education Tutoring 2 hours

Every semester on demand. 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 Assessing Student Performance 2 hours

Every semester and every Summer. Focuses on the philosophy and strategies of testing, a variety of assessment techniques, examination construction and critical thinking skills as applied to student assessment. Major projects of this course will include a course portfolio, an examination construction project and alternative assessments for a unit in the student's field of study. Prerequisites: EED 323 or EED 343 or SED 442; EDU/PHI 303 or EDU 570, EDU 313 and admittance to the teacher education program.

EDU 420 Orientation to Student Teaching 2 hours

Every Fall and every Spring. Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences as well as assist students with entry into the job market upon completion of their student teaching experience. Administrators from public and private schools are invited to participate in this orientation as are other professional personnel. Additional instruction is given by the faculty and staff of the College of Education. Prerequisites: All required courses for certification except EDU 430, SED 443 and student teaching.

EDU 430 Classroom Management 3 hours

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 Middle School Curriculum 3 hours

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 Presentational Technology 3 hours

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: CIS 180A, CIS 180B, SPC 113.

EDU 501 Overcoming Challenges Facing Professional Educators: The High-Performing Teacher 3 hours

Every semester. This course will examine the significant challenges facing educators today within the context of contemporary educational issues. The underlying theory and principles will be explored and effective strategies presented that will enable course participants to develop their own solution procedures. Prerequisite: Acceptance into M.A.T. program.

EDU 502 Effective Classroom Management 3 hours

Every semester. In this course, participants will analyze the dynamics of the classroom unit and examine effective classroom management strategies in light of their own teaching environment. Emphasis will be placed on behavior management strategies and strategies to teach students pro-social skills. In addition, emphasis will be placed on the role parental support plays in motivating students' behavior in the classroom. Prerequisite: Acceptance into M.A.T. program.

EDU 503 The Challenging Learner: Succeeding With Difficult Students 3 hours

Every semester. In this course, participants will explore underlying theories and effective strategies for working with the diverse needs of the challenging learner. Special emphasis will be given to proactive teaching techniques to use with chronically disruptive students in the regular classroom setting. Prerequisites: Acceptance into M.A.T. program.

EDU 504 Collaborative Research - Part 1: Introduction 1 hour

Every semester. This course focuses on the theoretical foundations of qualitative research and of collaborative action research. Specific emphasis is placed on an examination of the basic principles of qualitative research methodologies which will lead to the design and implementation of a peer supported action research project. Prerequisite: Acceptance into the M.A.T. program and EDU 503.

EDU 505 Motivating Today's Learner 3 hours

Every semester. This course identifies the research base which shows that teachers' interactions with students they perceive as "low achievers" are less supportive and less motivating than interactions normally practiced with students they perceive as "high achievers." Instruction will explore an interaction model involving specific supportive and motivating techniques which can be implemented with all students in a non-discriminatory manner. Prerequisite: Acceptance into M.A.T. program and EDU 504.

EDU 506 Learning Styles and Multiple Intelligences 3 hours

Every semester. This course explores the many aspects of learners. Current supportive research and theories are reviewed, compared and contrasted. Participants will apply theory to the development of an instructional plan for a situation relevant to them. Prerequisite: EDU 505.

EDU 507 Models of Effective Teaching 3 hours

Every semester. This course is designed to increase the teaching repertoire of teachers and other instructional leaders. The power and usefulness of the mastery learning, cooperative learning and student centered instructional approaches are presented. Course content will enable participants to reflect on their own teaching performance and will include skill for providing positive feedback and support to colleagues. Prerequisite: EDU 506.

EDU 508 Curriculum and Assessment 3 hours

Every semester. This course will provide participants with a wide range of instructional designs. Course content is strategically planned to enable participants to make their classroom more oriented to real-world application of learned skills and knowledge, enhancing student decision making and problem solving. This course will also explore the principles and practices involved in various models of educational assessment, evaluation, and testing. Participants will develop and implement their own authentic assessment and evaluate results. Prerequisite: EDU 507.

EDU 509 Collaborative Action Research - Part 2: Data Collection and Analysis 1 hour

Every semester. This course will present teachers the steps to conduct an effective collaborative action research project. Emphasis will be placed upon the teacher's researching a topic pertaining to the course content previously presented in the program. Triangulation of the research will be achieved through cohort peers. Prerequisite: EDU 508.

EDU 510 Including Students with Special Needs in the Classroom 3 hours

Every semester. The focus of this course is to develop an understanding of the inclusion process for students with special needs. Participants will learn the rationale and laws relating to the inclusion movement, the diversity of needs of these students, and strategies for successful teaching of students with special needs. Prerequisite: EDU 509.

EDU 511 Current Issues 3 hours

Every semester. This course reflects current issues in education and will change intermittently as the issues in education change. Prerequisite: EDU 510.

EDU 512 **1 hour**
Capstone Project
 Every semester. In this course, the teacher will assemble a portfolio demonstrating his or her ability to meet the objectives and outcomes for this degree. The portfolio will include numerous reflective components throughout and documentation in the form of video-taped lessons, journals, lesson plans, and/or research project findings, etc. Prerequisite: EDU 511.

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
 On demand. 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 **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/or 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 - 3 hours**
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/PHI 303 or EDU 570 or Senior (undergraduate) status with a 3.00 GPA or Bachelor's degree.

EDU 599 **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 **3 hours**
Educational Research
 Every Fall, and every Summer on demand. Educational Research is a 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 **2 hours**
Research and Writing
 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 **2 hours**
Professional Writing
 Every Summer on demand. 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 323 **3 hours**
Curriculum and Methods: Science
 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 313; PHI 303 or EDU 570; BIO with a lab and a CHM, GLG, or PHY with lab (one may be taken concurrently); admittance to the teacher education program.

EED 340 **2 hours**
Emergent Language
 On demand. 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 **3 hours**
Curriculum and Methods: Language Arts
 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/PHI 303 or EDU 570; EED 340 or ESL 420, ENG 101; ENG 102; COM 123 (may be taken concurrently) and admittance to the teacher education program.

EED 403 **4 hours**
Curriculum and Methods: Mathematics
 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/PHI 303, EDU 313, EED 323, MAT 130, MAT 131, senior status recommended, junior status required and admittance to the teacher education program.

EED 433 **3 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. Prerequisites: EDU/PHI 303; EED 340 or ESL 420; EED 343, senior status recommended, junior status required, and admittance to the teacher education program.

EED 443 **2 hours**
Prescriptive Reading and Practicum in the Elementary School
 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. This course will also focus on reading assessments and strategies implemented with a single elementary student in a reading lab. Prerequisites: EDU/PHI 303 or EDU 570, EED 340 or ESL 420, EED 343, EED 433 or EED 533, junior status required and admittance to the teacher education program.

EED 463 **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, materials and resources available, and current developments in the field. Laboratory experiences will include multicultural classrooms. Prerequisites: EDU/PHI 303, EDU 313, EED 323, EED 340 or ESL 420, EED 343, three (3) hours of history, POS 252, POS 262, senior status and admittance to the teacher education program.

EED 480 **8 hours**
Student Teaching: Elementary 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 elementary certificate, a 2.50 GPA, admission to the teacher education program, and senior status. Credit only, no grade is given.

EED 503 **3 hours**
Curriculum and Methods: Mathematics
 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 **3 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. Prerequisites: EDU 570; EED 340 or ESL 520; 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 or ESL 520; EED 343; EDU 313; EDU 570; three (3) hours of history; POS 252 and 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
 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
 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 580 **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.

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.

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**. 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. 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 act. Emphasis is given to teaching methodology which encourages problem-solving and active participation. Prerequisites: COM 123, EDU/PHI 303 or EDU 570 and EDU 313 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 a model curriculum. Prerequisites: PSY 373, EDU/PHI 303, EDU 313, SED 442, SED 452, SED 462, and admittance to the teacher education program.

SED 452 **3 hours**
Reading and Learning Strategies for Middle and Secondary School
Every semester. This course is designed to assist preservice and inservice teachers in developing a broad range of reading, teaching, and learning strategies to effectively enhance the learning of middle and secondary school students. A major emphasis is given to utilization of these strategies in the midst of today's socially and culturally diverse classrooms. Must be taken concurrently with SED 462. Prerequisites: EDU/PHI 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/PHI 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 is 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**
Reading and Learning Strategies for Middle and Secondary School
Every semester. This course is designed to assist preservice and inservice teachers in developing a broad range of reading, teaching, and learning strategies to effectively enhance the learning of middle and secondary school students. A major emphasis is given to utilization of these strategies in the midst of today's socially and culturally diverse classrooms. An investigation into reading and the use of literature to teach all content areas is a component of the 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

SPE 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 535 **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. Prerequisite: SPE 325, SPE 355 or SPE 365, SPE 375 or SPE 385, and admittance to the graduate program.

TEACHING ENGLISH AS A SECOND LANGUAGE

ESL 420 **1 or 3 hours**
English Linguistics
Every semester. 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 **3 hours**
Inter-Cultural Communication
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 **3 hours**
English Linguistics
Every semester. 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 **3 hours**
English Language Teaching Foundations and Methodologies
Every Spring 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 **3 hours**
Advanced Grammar for English Language Teaching
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 **3 hours**
Internship in ESL or TESL
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 **3 hours**
Advanced Language Teaching Methodologies and Assessment
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 **3 hours**
Language Teaching Curriculum and Materials Design
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**
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 503 **3 hours**
Counseling and Development in a Multicultural Context
On demand. This course is designed to familiarize the student with the 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.

College of Liberal Arts

COLLEGE DESCRIPTION

The College of Liberal Arts is the foundational college at Grand Canyon University 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 accomplish 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 be articulate within their chosen discipline and also 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 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.
Social Sciences	B.A.
Sociology	B.S.

In addition, the College of Liberal Arts offers minors in the following areas:

Athletic Coaching	Philosophy
Behavioral Sciences	Physical Education
English	Pre-Law
German	Psychology
History	Social Sciences
Humanities	Sociology
Justice Studies	Spanish
Martial Arts	Writing
Mathematics	

UNIVERSITY LIBERAL ARTS FOUNDATION FOR THE COLLEGE OF LIBERAL ARTS †

The University Liberal Arts Foundation for the College of Liberal Arts differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in the College of Liberal Arts must complete all requirements listed below as part of the U.L.A.F. for the College of Liberal Arts. Changes and additional requirements are indicated by italicized print.

Christian Perspectives:	6 hours
Track 1: BIB 113 Old Testament History (3) and BIB 123 New Testament History (3)	
Track 2: One of the following courses: BIB 103 Survey of the Bible (3) BIB 113 Old Testament History (3) BIB 123 New Testament History (3)	
AND	

One of the following courses: UNV 304 Faith and Living: Issues for the 21st Century (3) UNV 305 The Christian Mind (3) UNV 306 Foundations of the Christian Faith (3)	
II. Communication:	10 hours
A. English - 6 hours * ENG 101 Academic Writing (3) ENG 102 Research Writing (3)	
B. Speech - 3 hours SPC 113 Fundamentals of Speech (3)	
C. Computer Literacy - 1 hour CIS 180 Computer Information Systems Module (1)	
III. Heritage	6 hours
A. History - 3 hours Any history course with an "HIS" prefix Recommended courses include: HIS 103 Early American History (3) HIS 104 Recent American History (3) HIS 105 Western Civilization to 1500 (3) HIS 106 Western Civilization Since 1500 (3)	
B. Literary and Philosophical Tradition - 3 hours Any literature course with an "ENG" prefix or any philosophy course with a "PHI" prefix	
IV. Personal and Social Environment	3 hours
Any economics (ECN), foreign language (FRE, GER, SPA, etc), geography (GEO), political science (POS), psychology (PSY), or sociology (SOC) course	
V. Mathematical Inquiry	3 hours
MAT 120 Intermediate Algebra (3) or higher mathematics course (3)	
VI. Scientific Inquiry	4 hours
Any biology (BIO), chemistry (CHM), geology (GLG), or physics (PHY) course which contains a laboratory component.	
VII. Fine Arts	3 hours
Any art, music, or theatre course	
<i>Additional requirement for College of Liberal Arts majors</i> <i>Physical Education activity courses (2)</i> <i>(Recommended course: PED 195 Lifetime Wellness)</i>	2 hours
Total University Liberal Arts Foundation Requirement:	37 hours

* Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 - Honors Composition may satisfy the requirements of the English section of the Core Area II. by successfully completing this course. This may reduce the total U.L.A.F. requirements to 34 hours for those students.

† Students in the College of Liberal Arts with a Secondary Education major complete only the University Liberal Arts Foundation requirements for the College of Education (See page 78).

Department of History, Physical Education and Social Sciences

DEPARTMENT DESCRIPTION

The Department of History, Physical Education and Social Sciences is a diverse department, serving two principal functions — the provision of a liberal arts education and a solid foundation in the majors.

The Athletic Coaching minor emphasizes skills to assist the future teacher who wishes to coach interscholastic, intercollegiate and other sports teams in all aspects of preparation for competition. Successful completion of coursework can result in Level I and Level II PACE certifications

History presents students with chronological and theoretical frameworks that enable them 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 Martial Arts major and minor will provide the student with the skills needed to instruct others in various forms of self-defense and karaté 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 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.

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 interactions.

Sociology 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.

DEGREE REQUIREMENTS — HISTORY (B.A. DEGREE: Minor Required)

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

History Major

Group I: Foundation	12 hours
HIS 103 Early American History (3)	
HIS 104 Recent American History (3)	
HIS 105 Western Civilization to 1500 (3)	
HIS 106 Western Civilization since 1500 (3)	
Group II: Core Development	15 hours
A. European History (6 hours). Select two of the following courses: HIS 312 Foundations of Western Thought (3) HIS 322 Medieval History (3) HIS 333 The Renaissance and Reformation (3) HIS 352 History of England (3) HIS 367 Modern Europe (3) HIS 413 Russian History (3)	

B. American History (6 hours). Select two of the following courses: HIS 343 Colonial America (3) HIS 409 Civil War and Reconstruction (3) HIS 345 America in the Twentieth Century (3) HIS 417 Constitutional History of the United States (3) HIS 365 The American Religious Experience (3)	
C. Non-Western History (3 hours). Select one of the following courses: HIS 373 Hispanic Civilization (3) HIS 498 Advanced Topics: Non-Western History (3)	
Group III: Research and Development	6 hours
HIS 246 History and Historians (3)	
HIS 490 Historical Research (3)	
Group IV: History Electives	3 hours
HIS — Upper Division History Electives (3)	
Total Major Hours	36 hours

DEGREE REQUIREMENTS — INTERNATIONAL STUDIES (B.A. DEGREE: Minor Required)

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Group I: Foundation	28 hours
GEO 121 World Geography (3)	
HIS 105 Western Civilization to 1500 (3)	
PSY 101 Introduction to Psychology (3)	
SOC 101 Introduction to Sociology (3)	
Foreign language of choice (16) (You will need to pass 16 hours of coursework in a second language or demonstrate proficiency in listening, speaking, and reading by examination.)	
Group II: Core Development	21 hours
BUS 414 Intercultural Communications (3)	
ECN 201 Macroeconomics (3)	
PHI 225 Introduction to Ethics (3)	
PHI 463 World Religions (3)	
POS 323 International Relations (3)	
SOC 313 Cultural Anthropology (3)	
SOC 498 Advanced Topics: Third World Issues (3)	
Group III: Research and Development	9 hours
† UNV 300 Study Abroad (6)	
UNV 490 International Studies Seminar (3)	
Group IV: International Studies Electives	6 hours
History and Political Science HIS 413 Russia and Eastern Europe (3) HIS 498 Advanced Topics: Non-Western World (3) SPA 373 Hispanic Civilization (3) POS 497 Political Science Internship (3) 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. A 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 recommended prior to beginning the Justice Studies major. Students must also have 32 semester hours of college work with a minimum GPA of 2.00.

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Note: Recommended Liberal Arts Foundation courses for the Justice Studies major include SPA 101; SPA 102; HIS 103 or HIS 104; MAT 120 or higher; CAM 180A; CAM 180B; CAM 180C; and BIO 100

Required Liberal Arts Foundation courses for the Justice Studies Major include: PSY 101, SOC 101, and SPC 292.

No minor required.

Justice Studies Major

Group I: Foundation 9 hours

- * JUS 100 Introduction to Justice Studies (3)
- JUS 101 Issues in Justice Studies (3)
- JUS 303 Criminal Justice Theory (3)

Group II: Core Development 18 hours

- * JUS 306 The Police Function (3)
- * JUS 308 Adjudication Function (3)
- JUS 310 Correctional Function (3)
- JUS 440 Criminal Justice Administration (3)
- * JUS 461 Substantive Law (3)
- * JUS 462 Procedural Law (3)

Group III: Research and Development 19 hours

- JUS 296 Social Research (3)
 - JUS 490 Senior Seminar (3)
 - JUS 497 Internship in Justice Studies (4)
- Select three (3) of the following courses (9 hours):
- JUS 498 Advanced Topics: Ethics in Criminal Justice (3)
 - JUS 498 Advanced Topics: Juvenile Delinquency (3)
 - JUS 498 Advanced Topics: Comparative Criminal Law (3)
 - JUS 498 Advanced Topics: Gangs (3)
 - JUS 498 Advanced Topics: Law and Social Control (3)

Group IV: Justice Studies Electives 6 hours

- PSY 350 Social Psychology (3)
- PSY 466 Abnormal Psychology (3)
- SOC 341 Social Problems (3)
- SOC 423 American Minority Peoples (3)

Total Major Hours 52 hours

* Graduates from the Phoenix Regional Police Academy or the Arizona Law Enforcement Training Academy may receive credit for these courses. Additional credit for HLT 270 and physical education may also be awarded.

**DEGREE REQUIREMENTS — * MARTIAL ARTS
(B.S. DEGREE; No Minor Required)**

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Martial Arts Major

Group I: Foundation 8 hours

- * HLT 253 Anatomy and Physiology (3)
- PED 141 Self Defense (1)
- PED 151 Karate (1)
- PED 335 Kinesiology (3)

Group II: Core Development 25 hours

- PED 231 Advanced Karate (1)
- PED 241 Advanced Self Defense (1)
- PED 285 Teaching Self Defense (1)
- PED 309 Grappling (3)
- PED 311 Sparring (3)
- PED 342 Advanced Grappling (3)
- PED 351 Intermediate Sparring (3)
- PED 356 Teaching Karate Activities (1)
- PED 366 Teaching Grappling Activities (1)
- PED 376 Teaching Sparring Activities (1)
- PED 401 Traditional Okirawan Weapons (3)
- PED 451 Shootfighting (4)

Group III: Research and Development 12 hours

- EDU 303 Foundations of Education (3)
 - PED 246 Instructional Strategies in Physical Education (3)
- Select two (2) of the following courses (6 hours):
- MGT 301 Principles of Management (3)
 - MKT 301 Principles of Marketing (3)
 - ACC 211 Financial Accounting (3)

Group IV: Martial Arts Electives 6 hours

- Select two (2) of the following courses
- EXS 314 Care and Prevention of Athletic Injuries (3)
- ** EXS 340 Physiology of Exercise (3)
- HLT 270 First Aid and Safety (3)

Total Major Hours 51 hours

* May be substituted with BIO 201.

** May be substituted with BIO 360.

**DEGREE REQUIREMENTS — * PHYSICAL EDUCATION
(B.S. DEGREE; Minor Required)**

Non-Teaching Candidates: University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Teaching Candidates: University Liberal Arts Foundation for Secondary Education Program (See page 78). A major in Secondary Education is required for Teaching Candidates.

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Physical Education Major **

Group I: Foundation 11 hours

- HLT 253 Anatomy and Physiology (3)
- PED 195 Lifetime Wellness (2)
- PED 240 Introduction to Physical Education (3)
- PED 246 Instructional Strategies in Physical Education (3)

Group II: Core Development 24 hours

- EXS 335 Kinesiology (3)
 - EXS 340 Physiology of Exercise (3)
 - PED — Activity Classes (4)
- Select four courses from PED 121's and PED 131's. Must include one hour from each: aquatics, team sports, and individual activities
- PED — Professional Activities (8)
- Select four from PED 252, PED 262, PED 272, PED 282, or PED 292
- PED 353 Motor Development (3)
 - PED 363 Physical Education for the Exceptional Child (3)

Group III: Research and Development 9 hours

- PED 383 Measurement in Physical Education (3)
- PED 403 Physical Education for the Elementary Grades (3)
- PED 413 Physical Education for the Secondary School (3)

Group IV: Physical Education Electives 3 hours

- PED — Upper Division Physical Education Elective (3)

Total Major Hours 47 hours

* Refer to the College of Education for Secondary Education major 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 — PSYCHOLOGY
(B.S. DEGREE; Minor Required)**

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Psychology Major

Group I: Foundation 3 hours

- PSY 101 General Psychology (3)

Group II: Core Development 18 hours

- PSY 253 Personality Development (3)
- PSY 324 Learning and Cognition (3)
- PSY 350 Social Psychology (3)
- PSY 414 History and Systems of Psychology (3)

One course from each of the following areas: 6 hours

- Clinical 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 Development (3)
- PSY 353 Child Psychology (3)
- PSY 373 Adolescent Psychology (3)

Group III: Research and Development 7 hours

- PSY 363 Probability and Statistics (3)
- PSY 450 Experimental Psychology (4)

Group IV: Psychology Electives 6 hours

- PSY — Upper Division Psychology Electives (6)

Total Major Hours 34 hours

**DEGREE REQUIREMENTS — SOCIAL SCIENCES
(B.A. DEGREE; Minor Required)**

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Social Sciences Major

Group I: Foundation 27 hours

- ECN 201 Macroeconomics Principles (3) OR
- ECN 202 Microeconomic Principles (3)
- GEO 111 Physical Geography (3) OR
- GEO 121 World Geography (3)
- HIS 103 Early American History (3)
- HIS 104 Recent American History (3)
- HIS 105 Western Civilization to 1500 (3)
- HIS 106 Western Civilization Since 1500 (3)
- POS 252 Federal Government (2)
- POS 262 Arizona Government (1)
- PSY 101 General Psychology (3)
- SOC 101 Introduction to Sociology (3)

Group II: Core Development 9 hours

- Select nine (9) hours of Upper Division courses from two of the following areas:
- Geography, History, Political Science, Psychology, Sociology

Group III: Research and Development 3 - 4 hours

- PSY 363 Probability and Statistics (3)
- PSY 450 Experimental Psychology (4)
- SOC 296 Social Research (3)
- SOC 363 Probability and Statistics (3)

Total Major Hours 39 hours

**DEGREE REQUIREMENTS — SOCIOLOGY
(B.S. DEGREE; Minor Required)**

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Sociology Major

Group I: Foundation 9 hours

- SOC 101 Introduction to Sociology (3)
- SOC 290 History of Social Thought (3)
- SOC 296 Social Research (3)

Group II: Core Development 18 hours

- A. Select two (6 hours) of the following courses:
 - SOC 341 Social Problems (3)
 - SOC 353 Urban Sociology (3)
 - SOC 350 Social Psychology (3)
 - SOC 383 Drug Abuse Seminar (3)
- B. Select one (3 hours) of the following courses:
 - SOC 423 American Minority Peoples (3)
 - SOC 313 Cultural Anthropology (3)
- C. Select one (3 hours) of the following courses:
 - SOC 385 Human Sexuality (3)
 - SOC 333 Marriage and the Family (3)
- D. Select one (3 hours) of the following courses:
 - SOC 431 Social Work (3)
 - SOC 497 Internship in Sociology (3)

Group III: Research and Development 6 hours

- SOC 363 Introduction to Probability and Statistics (3)
- SOC 490 Senior Seminar (3)

Group IV: Sociology Electives 6 hours

- SOC — Upper Division Sociology electives

Total Major Hours 39 hours

MINOR REQUIREMENTS — ATHLETIC COACHING

- 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, 292) 4 hours
- EXS 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 Athletic Coaching 2 hours

Total Minor Hours 27 hours

MINOR REQUIREMENTS — * BEHAVIORAL SCIENCES

- SOC 101 Introduction to Sociology 3 hours
- SOC 290 History of Social Thought (3) OR
- SOC 313 Cultural Anthropology (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 — HISTORY

- HIS 103 Early American History 3 hours
- HIS 104 Recent American History 3 hours
- HIS 105 Western Civilization to 1500 3 hours
- HIS 106 Western Civilization Since 1500 3 hours
- HIS 246 History and Historians 3 hours
- HIS — Upper Division History Electives 6 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 — 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 — 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

EXS 335	Kinesiology	3 hours
HIT 253	Anatomy and Physiology	3 hours
PED 195	Lifetime Wellness	2 hours
PED —	Activities (Select from 121's, 131's) No more than one hour from each: aquatics, team sports, and individual activities	2 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, 272, 282, 292)	4 hours
PED 353	Motor Development	3 hours
PED 403	Physical Education for the Elementary Grades (3) or	
PED 413	Physical Education for the Secondary School (3)	3 hours
Total Minor Hours		26 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
Total Minor Hours		21 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 103	Early American History (3) and	
HIS 104	Recent American History (3) OR	
HIS 105	Western Civilization to 1500 (3) and	
HIS 106	Western Civilization Since 1500 (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 290	History of Social Thought	3 hours
SOC —	Sociology Electives (6 hours must be Upper Division)	12 hours
Total Minor Hours		18 hours

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 24.

HISTORY

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 105 Western Civilization to 1500 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 the intellectual, political and industrial revolutions of Europe and their impact.

HIS 106 Western Civilization Since 1500 3 hours

Every semester. A continuation of HIS 105 but students need not have taken HIS 105 before taking HIS 106. A survey of modern civilization.

HIS 246 History and Historians 3 hours

Every Spring. An exploration of the historical discipline. Students will examine the meaning and interpretation of history and its methodology. Career opportunities will be examined. Required for all history majors. Prerequisites: Nine (9) hours from the following: HIS 103, HIS 104, HIS 105, and HIS 106.

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

Fall, 1998, 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 105, HIS 106.

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 322 Medieval History 3 hours

On demand. A survey of the Medieval world. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered.

HIS 333 The Renaissance and Reformation 3 hours

Spring, 1999. 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 105.

HIS 343 Colonial America 3 hours

Spring, 1998, and Fall, 1999. This course examines the political, economic, social, and cultural history of the American colonies from initial settlement to the end of the Revolutionary War (1783). Prerequisites: HIS 103, HIS 104, HIS 246, or instructor's approval.

HIS 345 Modern America 3 hours

Fall, 1997, and Spring, 1999. A political, economic, and cultural history of the United States from the end of the Spanish American War to the present. Prerequisites: HIS 103, HIS 104, HIS 246, or instructor's approval.

HIS 352 History of England to 1714 3 hours

Fall, 1998. 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 105 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 365 The American Religious Experience 3 hours

Spring, 1997, and Spring, 1999. An examination of the role that religious thought and practice have had on the development of American political and cultural institutions. The course examines particularly the development of Protestant and Catholic traditions in the United States and their connection to the broader culture. Prerequisites: HIS 103, HIS 104, HIS 246, or instructor's approval.

HIS 367 Modern Europe 3 hours

Fall, 1997, and Spring, 1999. A study of 20th century Europe which includes World War I, the Bolshevik revolution, the rise of Fascism, World War II, the cold war, the Common Market, and the breakup of communism in Eastern Europe. Prerequisite: HIS 106, HIS 246, or instructor's approval.

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

Fall, 1998. An examination of the causes, conduct and consequences, both political and military, of the American Civil War. Prerequisite: HIS 103, HIS 104, HIS 246, or instructor's approval.

HIS 413 Russian History 3 hours

Spring, 1998. A study of the Russian peoples and their rulers from the earliest times to the present. Prerequisites: HIS 105, HIS 106, HIS 246, or instructor's approval.

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. Prerequisite: HIS 103, HIS 104, HIS 246, or instructor's approval.

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 103, HIS 104, HIS 105, HIS 106, HIS 246; history major, and senior status.

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 498 Advanced Topics 3 hours

On demand. Topics of interest to historians, not covered in depth in other courses will be considered. Prerequisite: Instructor's approval.

HIS 499 Independent Study 1 - 4 hours

On demand. See page 24.

JUSTICE STUDIES

JUS 100 Introduction to the Justice System 3 hours

Every Fall. Overview of the justice system. Roles of law enforcement personnel, the courts, and correction agencies. Philosophical and theoretical views in historical perspective.

JUS 101 Issues in Justice Studies 3 hours

Every Spring. Issues relating to justice policies, perspectives, techniques, roles, institutional arrangements, management, uses of research, and innovative patterns. Prerequisite: JUS 100.

JUS 296 Social Research 3 hours

Every Fall. Focus is on developing and evaluating research designs, data collection and relationships between validity and reliability including hypothesis construction and teaching, research design and computer application used. Prerequisite: JUS 100, and JUS 101.

JUS 303 Theory of Criminal Justice	3 hours
Spring, 1998. An examination of classic and contemporary schools of thought including psychological and social causes of crime. Prerequisites: JUS 100, JUS 101 and JUS 296.	
JUS 306 Police Function	3 hours
Fall, 1998. Objectives, strategies, programs, roles, perspectives and interagency relationships of police. Prerequisites: JUS 100, JUS 101, and JUS 303.	
JUS 308 Adjudication Function	3 hours
Fall, 1997. In depth study of the history process, setting roles, and perspective of the courts. Concentration on the courts in Maricopa County through intense application. Prerequisite: JUS 100, JUS 101, and JUS 303.	
JUS 310 Correctional Function	3 hours
Spring, 1998. Alternative correctional objectives, strategies, program roles, perspectives, and interagency relationships. Prerequisites: JUS 100, JUS 101, and JUS 303.	
JUS 396 Justice 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. Prerequisite: Approval of the Department Chair and the Tutor Program Coordinator.	
JUS 440 Criminal Justice Administration	3 hours
On demand. Introduction and analysis of organizational structures in police courts, and corrections. Emphasis on supervising and middle management theory and policy development. Prerequisites: JUS 100, JUS 101, JUS 303, JUS 306, JUS 308, or JUS 310, and be a Justice Studies major.	
JUS 461 Substantive Law	3 hours
Spring, 1999. Criminal liability with emphasis on crimes against persons, property, and society. Governmental sanctions of individual conduct as formulated by the legislature and the court system. Arizona Title 13 utilized. Prerequisites: JUS 100, JUS 101, JUS 303, JUS 306, and be a Justice Studies major.	
JUS 462 Procedural Law	3 hours
Fall, 1998. Study of the criminal process from a constitutional perspective as it relates to legal problems associated with arrest, search and seizure, and due process of law. Prerequisites: JUS 100, JUS 101, JUS 303, JUS 306, JUS 308, and be a Justice Studies major.	
JUS 490 Senior Seminar: Justice Studies	3 hours
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 Internship in Justice Studies	4 hours
Every semester and every Summer. Placement of students in a criminal justice or related agency to further the student's integration of theory with practice. Prerequisites: Second-semester Junior or first-semester Senior status.	
JUS 498 Advanced Topics: Justice Studies	3 hours
On demand. In-depth study of chosen topics. May be repeated for nine (9) hours credit. Prerequisites: JUS 100, JUS 101, JUS 303, and one Upper Division Justice Studies course, or instructor's approval.	
JUS 499 Independent Study	1 - 4 hours
On demand. See page 24.	

PHYSICAL EDUCATION

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 121 Individual Sports	1 hour
PED 121A Weightlifting and Fitness	
PED 121B Tennis	
PED 121C Swimming	
PED 121D Golf	
PED 121E Badminton	
PED 121F Aerobics	
PED 121G Horsemanship	
Every semester. Instruction and practice in the skills and strategies. Activity selection based on facility availability, instructor preference and student input.	
PED 131 Team Sports	1 hour
PED 131A Basketball	
PED 131B Volleyball	
PED 131C Softball	
PED 131D Flag Football and Speedway	
PED 131E Soccer	
Every semester. Instruction and practice in the skills and strategies. Activity 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 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 developing a personalized fitness program. Required of all majors and minors.	
PED 231 Advanced Karaté	1 - 2 hours
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 Introduction to Physical Education	3 hours
Every Fall. A study of the goals and objectives of physical education, its history and current role. Focus is on an overview of the various sub-disciplines and professions within the field. Required of all majors and minors.	
PED 241 Advanced Self Defense	1 - 2 hours
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 Instructional Strategies in Physical Education	3 hours
Every semester. A course designed to prepare future physical education teachers, fitness instructors and recreational leaders in the skills necessary to present physical education activities to groups. Included will be the development of lesson plans, course goals and performance objectives that can be applied to the presentation of any skill or activity. Prerequisite: Must be a declared physical education or exercise science major or minor.	
PED 252 Teaching of Team Sports I	2 hours
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 Teaching of Team Sports II	2 hours
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 Teaching of Aquatic Skills	2 hours
Upon availability. 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; and swimming test.	
PED 282 Teaching of Individual Sports I	2 hours
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 Teaching Self Defense Activities	1 - 2 hours
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: PED 246 or concurrent enrollment, PED 241 or instructor's approval.	
PED 292 Teaching of Individual Sports II	2 hours
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 195; and PED 246 or concurrent enrollment.	
PED 307 Sports Broadcasting	3 hours
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 Grappling	3 hours
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 armar pins.	
PED 311 Sparring	3 hours
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 323 Athletic Coaching: Baseball	3 hours
Every Fall. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy of baseball.	
PED 333 Athletic Coaching: Basketball	3 hours
Every Spring. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy in basketball.	

PED 334 Athletic Coaching: Volleyball and Softball	3 hours
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 342 Advanced Grappling	3 hours
Every Spring. Further instruction in ground-fighting skills including armar 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 order to prepare for competition. Prerequisite: PED 311 or instructor's approval.	
PED 353 Motor Development	3 hours
Every Fall. Movement patterns throughout the life span are investigated. Prospective physical educators are introduced to the foundations of motor development, the changes that typically occur from infancy to adulthood, and survey factors that affect motor development. Required for all majors and minors. Prerequisite: PED 246.	
PED 356 Teaching Karaté Activities	1 - 2 hours
Every Fall. A course designed to develop methods of teaching Karaté. 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 and 353. Can be concurrent enrollment.	
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, MAT 121 or higher.	
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 pages 24-25.	

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 for the 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 for the 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 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 class.	
PED 451 Shootfighting	4 hours
Every Fall. A course designed to incorporate karaté, 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 Physical Education	2 hours
On demand. Examination of current issues, topics and trends in the field of physical education. See Department Chair for specific information. Prerequisites: PED 246, and instructor's approval.	
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 24.	

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 497 Internship	3 hours
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 Advanced Topics: Political Science	3 hours
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 Independent Study	1 - 4 hours
On demand, See page 24.	

PSYCHOLOGY

PSY 101 General Psychology	3 hours
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 Personality Development	3 hours
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 Personality Psychology	3 hours
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 Learning and Cognition	3 hours
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 Psychology of Religion	3 hours
Every Spring. Also HTH 333 . Designed to help the student understand and relate to the mental processes involved in individual religious experience. Special attention is given to the conversion experience, religious motivation and the impact of group dynamics.	
PSY 341 Lifespan Development	3 hours
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 Social Psychology	3 hours
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 Child Psychology	3 hours
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 Introduction to Probability and Statistics	3 hours
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 Adolescent Psychology	3 hours
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 Psychology 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. Prerequisite: Approval of the Department Chair and the Tutor Program Coordinator.	
PSY 414 History and Systems of Psychology	3 hours
Every Spring. A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Prerequisites: Senior status.	
PSY 430 Industrial Psychology	3 hours
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 Fundamentals of Counseling and Guidance	3 hours
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 Experimental Psychology	4 hours
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: Foundation courses.	
PSY 466 Abnormal Psychology	3 hours
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 Senior Seminar: Psychology Through the Eyes of Faith	3 hours
On demand. The integration of psychological learning, focusing on its relevance to graduate schools and related careers in psychology. Particular focus will be given to how a Christian perspective impacts the type of questions posed in the discipline. Prerequisites: Senior status, and psychology major.	
PSY 497 Internship in Psychology	1 - 4 hours
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 Advanced Topics in Psychology	3 hours
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 Independent Study	1 - 4 hours
On demand. See page 24.	

SOCIOLOGY

SOC 101 Introduction to Sociology	3 hours
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.	
SOC 290 History of Social Thought	3 hours
Every Spring. A study of social thought from ancient to modern times with emphasis on 19th and 20th century thought. Emphasis is placed upon how current social theories have been influenced by, but are different from, earlier social thought.	
SOC 296 Social Research	3 hours
Every Fall. 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 Cultural Anthropology	3 hours
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 Marriage and the Family	3 hours
Fall, 1998, and alternate years. 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 Social Problems	3 hours
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 a perpetuated by modern social structure. Prerequisite: SOC 101.	
SOC 350 Social Psychology	3 hours
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 Urban Sociology	3 hours
Fall, 1997, 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 Introduction to Probability and Statistics	3 hours
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

Fall, 1997, and alternate years. 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 423 3 hours

American Minority Peoples

Fall, 1998. 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

Spring, 1998, and alternate years. 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. Prerequisites: SOC 101, SOC 341.

SOC 490 3 hours

Senior Seminar: Sociology Through the Eyes of Faith

Every Spring. The integration of sociological learning, focusing on its relevance to graduate schools and related careers in sociology. Required of all Sociology majors. Particular focus will be given to how a Christian perspective impacts the type of questions posed in the discipline. Prerequisites: Senior status, and sociology major.

SOC 497 1 - 3 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 24.

Department of Humanities

DEPARTMENT DESCRIPTION

The Department of Humanities is comprised of the traditional disciplines of the liberal arts. These increase our understanding of human actions in the past and present and focus on the analysis of written and verbal 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 principal 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.

Philosophy helps students to understand and put into systematic order the most fundamental human beliefs about reality, knowledge, and value.

DEGREE REQUIREMENTS — ENGLISH LITERATURE (B.A. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

English Literature Major

Group I: Foundation	3 hours
ENG 200 Analysis of World Literature (3)	
Group II: Core Development	21 hours
ENG 221 English Literature I (3)	
ENG 222 English Literature II (3)	
ENG 341 American Literature I (3)	
ENG 342 American Literature II (3)	
ENG 201 Intermediate Grammar (3) OR	
ENG 314 Advanced Grammar (3)	
ENG 315 Historical and Sociological Aspects of English (3)	
ENG 413 The Novel (3)	
Group III: Research and Development	6 hours
ENG 421 Shakespeare (3)	
ENG 490B Senior Seminar: Literature (3)	
Group IV: Electives	12 hours
+ ENG — Writing Electives (6)	
ENG — English Electives (6)	
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)

University Liberal Arts Foundation for the College of Education Secondary Education Program (See page 78)

Secondary Education Major Required

Minor Required

English Teaching Major

Group I: Foundation	3 hours
ENG 200 Analysis of World Literature (3)	
Group II: Core Development	24 hours
ENG 221 English Literature I (3)	
ENG 222 English Literature II (3)	
ENG 301 Advanced Composition (3)	
ENG 341 American Literature I (3)	
ENG 342 American Literature II (3)	
ENG 314 Advanced Grammar (3)	
ENG 315 Historical and Sociological Aspects of English (3)	
ENG 413 The Novel (3)	
Group III: Research and Development	8 hours
ENG 300 English Practicum (2)	
ENG 421 Shakespeare (3)	
ENG 490A Senior Seminar: English Teaching (3)	
Group IV: Electives	9 hours
ENG — Writing Electives (3)	
ENG — English Electives (6)	
Total Major Hours	44 hours

* Please refer to the College of Education for secondary certification.

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 341 American Literature I (3)	
ENG 342 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 — HUMANITIES

From at least four of the following areas a student must complete 18 hours, 6 of them Upper Division.

Art	Literature	Philosophy	Theatre
Foreign Language	Music	Speech	

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 — * SPANISH

SPA 201	Intermediate Spanish I	4 hours
SPA 202	Intermediate Spanish II	4 hours
SPA 304	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
SPA —	Upper Division Spanish Elective	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 Fall. 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 should 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; (and ENG 200 for English majors).

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; (and ENG 200 for English majors).

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; (and ENG 200 for English majors).

ENG 300 2 hours
English Practicum

Every semester. Guided practical experience in grading writing. Prerequisite: English Teaching majors only.

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 Fall; and Spring on demand. An 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 Spring. An exploration of the historical development of English and its variations across social contexts. Prerequisite: ENG 201 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; (and ENG 200 for English majors).

ENG 341 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; (and ENG 200 for English majors).

ENG 342 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; (and ENG 200 for English majors).

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 396 2 hours
English 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.

ENG 399 1 - 4 hours
Practicum

On demand. See pages 24-25.

ENG 411 3 hours
Creative Writing

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 3 hours
The Novel

Every Fall. A study in the 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 3 hours
Shakespeare

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 453 3 hours
Christianity and Literature

Every Spring. This course explores the works of Christian authors, with the goal of integrating Christian belief and literary study. The seminar's focus will be flexible. Prerequisite: Junior status.

ENG 471 3 hours
Adolescent Literature

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. A variety of contemporary issues will be traced through adolescent literature.

ENG 473 3 hours
Children's Literature and Storytelling

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 3 hours
Senior Seminar: English Teaching

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: Declared English Teaching major, and senior status.

ENG 490B 3 hours
Senior Seminar: Literature

Every Spring. An exploration of English as a discipline. Students study the interpretation of literature, the methodology of writing, and career opportunities. Prerequisites: Declared English Literature major, and Junior status.

ENG 498 3 hours
Special Topics in English

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 1 - 4 hours
Independent Study

On demand. See page 24.

MODERN LANGUAGES

Chinese

CHI 101 4 hours
Elementary Chinese I

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 4 hours
Elementary Chinese II

On demand. Continuation of CHI 101. Prerequisite: CHI 101 or equivalent.

French

FRE 101 4 hours
Elementary French I

Every Fall. A study stressing conversation and the fundamentals of grammar and pronunciation, and simple composition, together with graded reading.

FRE 102 4 hours
Elementary French II

Every Spring. Continuation of FRE 101. Prerequisite FRE 101 or equivalent.

FRE 201 4 hours
Intermediate French I

Every Fall. Review, composition, and extensive speaking and reading. Prerequisite: FRE 102.

FRE 202 4 hours
Intermediate French II

Every Spring. Continuation of FRE 201. Prerequisite FRE 201.

FRE 499 1 - 4 hours
Independent Study

On demand. See page 24.

German

GER 101 4 hours
Elementary German I

Every Fall. A program of study using a text-workbook, practice tapes, and classroom experience to develop the fundamentals of understanding, speaking, reading and writing.

GER 102 4 hours
Elementary German II

Every Spring. Continuation of GER 101. Prerequisite: GER 101.

GER 201 4 hours
Intermediate German I

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 4 hours
Intermediate German II

Every Spring. Continuation of GER 201. Prerequisite: GER 201 or instructor's approval.

GER 311 3 hours
German Conversation

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: GER 201, or instructor's approval.

GER 312 3 hours
German Composition

Spring, 1998. A course designed to give the student practice in writing in German about current issues and selected topics. Prerequisite: GER 201, or instructor's approval.

GER 356 3 hours
Heidelberg, Germany Tour

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, 1997. 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, 1997. 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**
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 **Independent Study** **1 - 4 hours**
On demand. See page 24.

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 **Elementary Russian I** **4 hours**
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 **Elementary Russian II** **4 hours**
On demand. Continuation of **RUS 101**. Prerequisite: RUS 101.

Spanish

SPA 101 **Elementary Spanish I** **4 hours**
Every Fall. This course builds a foundation in the skills of listening, speaking, reading, and writing through the use of a text-workbook, classroom conversational practice and outside cultural activities.

SPA 102 **Elementary Spanish II** **4 hours**
Every Spring. Continuation of **SPA 101**. Prerequisite: SPA 101 or equivalent.

SPA 201 **Intermediate Spanish I** **4 hours**
Every Fall. This course further builds Spanish vocabulary and language structure. Oral practice, short compositions, textbook readings, and cultural activities are stressed. Prerequisite: SPA 102.

SPA 202 **Intermediate Spanish II** **4 hours**
Every Spring. Continuation of **SPA 201**. Prerequisite: SPA 201.

SPA 304 **Spoken Spanish** **3 hours**
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 312 **Advanced Grammar, Readings** **3 hours**
Every Fall. Designed to give the student practice in writing in Spanish. Prerequisite: SPA 311.

SPA 342 **Reading and Analysis of Literary Texts** **3 hours**
Every Spring. 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 **Advanced Spanish Grammar and Composition** **3 hours**
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 373 **Hispanic Civilization** **3 hours**
On demand. A study of the colonizing practices of Spain in the New World and their relevance to modern problems. Prerequisite: SPA 312.

SPA 396 **Spanish 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.

SPA 497 **Spanish 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.

SPA 498 **Advanced Topics: Spanish** **3 hours**
On demand. In-depth study of chosen topics. Prerequisite: Instructor's approval.

SPA 499 **Independent Study** **1 - 4 hours**
On demand. See page 24.

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 303 **Philosophy of Education** **3 hours**
Every semester. Also **EDU 303**. 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.

PHI 312 **Foundations of Western Thought** **3 hours**
Fall, 1998, 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**
Spring, 1999, 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 317 **Organizational 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 318 **Faith and Reason** **3 hours**
Spring, 1998, and alternate years. 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**
Spring, 1999, and alternate years. Also **HTH 463**. A study of the major contemporary religions of the world including both historical background and development and current beliefs and practice with emphasis on basic religions, Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Shinto, Zoroastrianism, Judaism, Islam, and Bahai.

PHI 499 **Independent Study** **1 - 4 hours**
On demand. See page 24.

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 framework 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, but 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)

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Mathematics Major	29 hours
Group I: Foundation	
MAT 270 Analytical Geom. and Calculus I (4)	
MAT 271 Analytical Geometry and Calculus II (4)	
MAT 272 Analytical Geometry and Calculus III (4)	
MAT 300 Introduction to Mathematical Thought (3)	
CSC 105 Introduction to Programming Languages (3)	
CSC 205 High Level Programming (3)	

* PHY 115 University Physics I (4)	
* PHY 116 University Physics II (4)	
Group II: Core Development	18 hours
MAT 342 Linear Algebra (3)	
MAT 363 Probability and Statistics (3)	
MAT 371 Advanced Calculus I (3)	
MAT 372 Advanced Calculus II (3)	
MAT 373 Differential Equations (3)	
MAT 443 Abstract Algebra (3)	
Group III: Research and Development	3 hours
MAT 498A Project in Mathematics (3) OR	
MAT 498B Project in Dynamical Systems (3)	
Group IV: Mathematics Electives	6 hours
MAT — Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483) (6)	
Total Major Hours	56 hours

* An alternative application sequence may be planned with department consultation and written approval.

DEGREE REQUIREMENTS — * MATHEMATICS FOR ENGINEERS (3:2 PROGRAM; B.S. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Liberal Arts (See page 88)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Minor Required

Mathematics for Engineers Major	15 hours
Group I: Foundation	
MAT 270 Analytical Geometry and Calculus I (4)	
MAT 271 Analytical Geometry and Calculus II (4)	
MAT 272 Analytical Geometry and Calculus III (4)	
MAT 300 Introduction to Mathematical Thought (3)	
Group II: Core Development	22 hours
MAT 342 Linear Algebra (3)	
MAT 373 Differential Equations (3)	
PHY 115 University Physics I (4)	
PHY 116 University Physics (4)	
CHM 113 General Chemistry I (4)	
CHM 115 General Chemistry II (4)	
Group III: Research and Development	10 hours
EGN 100 Introduction to Engineering (4)	

EGN 211 Statics (3)	
EGN 312 Dynamics (3)	
Group IV: mathematics for Engineers Electives	20 hours
MAT — Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483) (12)	
CHM — Upper Division Chemistry OR	
PHY — Upper Division Physics (8)	
Total Major Hours	67 hours

* An alternative application sequence may be planned with department consultation and written approval.

* 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)

University Liberal Arts Foundation for College of Education Secondary Teacher Education Program (See page 78)

Minor Required

Secondary Education Major Required

Mathematics for Secondary Teachers Major

Group I: Foundation	26 hours
MAT 270 Analytical Geometry and Calculus I (4)	
MAT 271 Analytical Geometry and Calculus II (4)	
MAT 272 Analytical Geometry and Calculus III (4)	
MAT 300 Introduction to Mathematical Thought (3)	
CSC 105 Introduction to Programming Languages (3)	
+ PHY 115 University Physics I (4)	
+ PHY 116 University Physics II (4)	
Group II: Core Development	18 hours
MAT 310 College Geometry (3)	
MAT 342 Linear Algebra (3)	
MAT 363 Probability and Statistics (3)	
MAT 371 Advanced Calculus I (3)	
MAT 373 Differential Equations (3)	
MAT 443 Abstract Algebra (3)	
Group III: Research and Development	3 hours
MAT 483 Mathematics in the Secondary School (3)	
Total Major Hours	47 hours

* Please refer to the College of Education for secondary certification and minor requirements.

+ An alternative 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 Introduction to Programming Languages 3 hours
On demand. An introduction to higher level programming languages. Topics include: structured programming techniques, algorithm design, problem solving, program coding, and program verification.

CSC 205 High Level Programming 3 hours
Spring, 1998, 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 Mathematical Concepts 3 hours
Every Fall. A review of basic mathematical concepts. Topics include problem-solving, arithmetic processes and basic algebraic concepts. The intent of this course is to prepare students for MAT 120. Prerequisite: Instructor's approval.

MAT 120 Intermediate Algebra 3 hours
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, with a grade of "C" or better.

MAT 121 College Algebra 3 hours
Every semester. A precalculus course on topics and algebraic properties of elementary functions. Prerequisites: Placement counseling or MAT 120 or high school equivalent.

MAT 122 College Trigonometry 2 hours
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 Contemporary Mathematics 3 hours
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 Contemporary Mathematics II 3 hours
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 Statistics 3 hours
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 270 Analytical Geometry and Calculus I 4 hours
Every semester. 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 Analytical Geometry and Calculus II 4 hours
Every semester. A continuation of **MAT 270**, covering the techniques of integration, solid analytic geometry, and an introduction to vector analysis. Prerequisite: MAT 270 or equivalent.

MAT 272 **4 hours**
Analytical Geometry and Calculus III
 Every Fall. A study of partial differentiation and multiple integration, infinite series and sequences, 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 271.

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, 1999, 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
 Spring, 1999, 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, 1998, 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, 1998, 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, 1999, 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, 1998, 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. Required course for Mathematics for Secondary Teacher majors. Prerequisites: MAT 271.

MAT 496 **3 hours**
Advanced Topics in Mathematics
 On demand. Upper Division topics such as History of Mathematics, Topology, 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. Required course for Mathematics majors. Prerequisite: MAT 372, MAT 373, MAT 443, and instructor's approval.

MAT 499 **1 - 4 hours**
Independent Study
 Every Semester. See page 24.

College of Science and Allied Health

COLLEGE DESCRIPTION

The College of Science and Allied Health provides curricula for athletic training, biochemistry, 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 area.

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 study, 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 before applying 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 before applying to the University of the Pacific School of Dentistry. 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
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
CHM 113, 115	General Chemistry I/II	8 hours
CHM 230	Elementary Organic Chemistry	4 hours

CIS 180	Computer Application Modules	3 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 allied health 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 GCU students who qualify for "Preferred Admission Status." To obtain the requirements for "Preferred Admission Status," 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 the 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 and Mr. Jeff Young.

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, biology for secondary teachers, or science for elementary teachers should obtain a College of Education advisor and a Department of Physical Sciences or Department of Biology 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.

UNIVERSITY LIBERAL ARTS FOUNDATION COLLEGE OF SCIENCE AND ALLIED HEALTH †

The University Liberal Arts Foundation for the College of Science and Allied Health differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in the College of Science and Allied Health must complete all requirements listed below as part of the U.L.A.F. for the College of Science and Allied Health. Changes and additional requirements are indicated by italicized print.

- I. **Christian Perspectives:** 6 hours
- Track 1: BIB 113 Old Testament History (3) and
BIB 123 New Testament History (3)
- Track 2: One of the following courses:
BIB 103 Survey of the Bible (3)
BIB 113 Old Testament History (3)
BIB 123 New Testament History (3)
- AND
- One of the following courses:
UNV 304 Faith and Living: Issues for the 21st Century (3)
UNV 305 The Christian Mind (3)
UNV 306 Foundations of the Christian Faith (3)

- II. **Communication:** 10 hours
- A. English - 6 hours *
ENG 101 Academic Writing (3)
ENG 102 Research Writing (3)
- B. Speech - 3 hours
SPC 113 Fundamentals of Speech (3)
- C. Computer Literacy - 1 hour
CIS 180 Computer Information Systems Module (1)

- III. **Heritage:** 6 hours
- A. History - 3 hours
Any history course with an "HIS" prefix
Recommended courses include:
HIS 103 Early American History (3)
HIS 104 Recent American History (3)
HIS 105 Western Civilization to 1500 (3)
HIS 106 Western Civilization Since 1500 (3)
- B. Literary and Philosophical Tradition - 3 hours
Any literature course with an "ENG" prefix or
any philosophy course with a "PHI" prefix

- IV. **Personal and Social Environment:** 3 hours
Any economics (ECN), foreign language (FRE, GER, SPA, etc.), geography (GEO), political science (POS), psychology (PSY), or sociology (SOC) course

- V. **Mathematical Inquiry:** 3 hours
MAT 121 College Algebra (3) or higher mathematics course (3)

- IV. **Scientific Inquiry:** 4 hours
Any biology (BIO), chemistry (CHM), geology (GLG), or physics (PHY), course which contains a laboratory component

- VII. **Fine Arts:** 3 hours
Any art, music, or theatre course (3)

Total University Liberal Arts Foundation requirements: 35* hours

* Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 32 hours for those students.

† Students in the College of Science and Allied Health with a Secondary Education major complete only the University Liberal Arts Foundation requirements for the College of Education (See page 78).

Department of Biology

DEPARTMENT DESCRIPTION

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 108)
(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.

University Liberal Arts Foundation for College of Science and Allied Health (See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

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 (excluding BIO 201, BIO 202)	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
CIS 180	Computer Information System Modules	3 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
+ 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).

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

No Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

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
CIS 180	Computer Information System Modules	3 hours
PHY 101	Intro. to Physical Science	4 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 (4)
 BIO 481 Vertebrate Zoology I (4)
 BIO 482 Vertebrate Zoology II (4)

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, the individual will be eligible to apply for full certification as a Certified Wildlife Biologist (See the Biology faculty for complete details of certification requirements):

BIO 426	Aquatic Ecology (4)
BIO 481	Vertebrate Zoology I (4)
BIO 482	Vertebrate Zoology II (4)
BOT 370	Arizona Flora (4)
CHM 101	Introduction to Chemistry (substitute for CHM 113 and CHM 115) (4)
ZOL 213	Introduction to Wildlife Ecology and Management (substitute for BIO 105) (3)
ZOL 311	Applied Ecology and Wildlife Conservation Biology Techniques (4)
ZOL 313	Development of American National Wildlife Law (3)
ZOL 411	Principles of Terrestrial Wildlife Ecology and Management (4)
ZOL 413	Principles of Applied Aquatic Ecology and Fisheries Management (4)

**DEGREE REQUIREMENTS — HUMAN BIOLOGY
(B.S. DEGREE; Minor Required)**

University Liberal Arts Foundation for the College of Science and Allied Health
(See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirements)

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	3 hours
BIO 340	Genetics	4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CIS 180	Computer Information System Modules	3 hours
PHY 111	General Physics I	4 hours
PHY 112	General Physics II	4 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) OR	
MAT 213	Introduction to Statistics (3)	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 69 hours		

**DEGREE REQUIREMENTS — * BIOLOGY FOR SECONDARY TEACHERS
(B.S. DEGREE; Minor Required)**

University Liberal Arts Foundation for the College of Education Secondary Education Programs (See page 78)

Secondary Education Major Required

Minor 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
CIS 180	Computer Information System Modules	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, 1998, 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 is on current practice venues. Interaction with practice PAs 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, 1997, 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 pages 24-25.	
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 various forms of written communication, publishing research results, and oral presentation techniques. Prerequisites: Junior status and biology major.	
BIO 426	4 hours
Aquatic Ecology	
Spring, 1999, 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 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.	3 hours
BIO 433 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.	4 hours
BIO 480 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.	3 hours
BIO 481 Vertebrate Zoology I Fall, 1998, 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.	4 hours
BIO 482 Vertebrate Zoology II Spring, 1999, and alternate years. Systematics, morphology, natural history, and ecology of birds and mammals. Three hours lecture, three hours lab. Prerequisite: BIO 181, BIO 182.	4 hours
BIO 496 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 hours depending on the topic. Prerequisite: Instructor's approval.	1 - 4 hours
BIO 497 Internship On demand. The internship provides an opportunity for students to practice principles learned in their major area of study by working in an outside organization under the supervision of a professional. See Department Chair for specific information. Prerequisite: Instructor's approval.	1 - 4 hours
BIO 498 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.	1 - 6 hours
BIO 499 Independent Study On demand. See page 24.	1 - 4 hours

WILDLIFE CERTIFICATION

BOT 370 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.	4 hours
ZOL 213 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.	3 hours
ZOL 311 Applied Ecology and Wildlife Conservation Biology Techniques Fall 1997, 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.	4 hours

ZOL 313 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.	3 hours
ZOL 411 Principles of Terrestrial Wildlife Ecology and Management Spring 1998, 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.	4 hours
ZOL 413 Principles of Applied Aquatic Ecology and Fisheries Management Spring 1999, 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.	4 hours

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 attain 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 Recreation Major and Minor will prepare the student as a recreation professional, who can supervise and implement recreation programs and manage recreation facilities.

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 admittance possibilities in the allied health professional schools.

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)

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

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 Education major strongly recommended as well as a certifiable teaching major. Contact the College of Education for advisement.

DEGREE REQUIREMENTS — CORPORATE FITNESS AND WELLNESS (B.S. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

Corporate Fitness and Wellness Major		
BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
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 121, 131, 141, 151)	4 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	3 hours
PED —	Professional Activities (Select three from 252, 262, 272, 282, 285, 292)	6 hours
PED —	Upper Division Electives	6 hours

Total Major Hours 47 hours

DEGREE REQUIREMENTS — RECREATION (B.S. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement)

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:			6 hours
BUS 307 Business Communication (3)			
MGT 301 Principles of Management (3)			
MKT 301 Principles of Marketing (3)			
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	3 hours
PED	292	Teaching of Individual Activities II	2 hours
Total Minor Hours			25 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

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)	3 hours
REC	497	Internship in Recreation	5 hours
Total Minor Hours			27 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 253 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 pages 24-25.

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 and EMS operations, hiring, and personnel practices, budgeting, master 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 24.

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

School 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 24.

RECREATION

REC 203 3 hours

Introduction to Recreation

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 3 hours

Recreational Leadership

Every Fall. Designed to acquaint the student with the 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 3 hours

Recreational Programming

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 3 hours

Outdoor Recreation

Summer, 1998, 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 3 hours

Recreation 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 to the Department Chair and the Tutor Program Coordinator.

REC 423 3 hours

Recreation Facility Management

Spring, 1999, 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 recreational facilities. Prerequisite: REC 213 or instructor's approval.

REC 424 3 hours

Recreation Administration and Supervision

Spring, 1998, and alternate years. Study of the 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 3 hours

Recreation for Special Populations

Fall, 1997, and alternate years. A course designed to develop methods and techniques of leading therapeutic recreation activities in institutions. Emphasis is placed on the activities and programs to be included. Prerequisites: REC 203, and REC 213 or REC 215.

REC 497 2 - 5 hours

Internship in Recreation

Every semester. The student is assigned to an approved recreational facility to serve as a leader or assistant leader under the supervision of a recreation employee for a specified number of hours. Periodic conferences and evaluations are scheduled with the supervising teacher. Prerequisite: REC 423.

Department of Physical Sciences

DEPARTMENT DESCRIPTION

The Department of Physical Sciences provides curricula for students wishing to major in biochemistry, 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 12-13 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.

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

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

No Minor Required

Electives (as needed to satisfy the 128 semester hour minimum graduation requirement.)

Biochemistry Major

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 332	Cell Biology	3 hours
BIO 340	Genetics	4 hours
BIO 360	Physiology	4 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 Elective (excluding CHM 396, CHM 480, and recitation classes)	4 hours
CHM 461	Biochemistry I	3 hours
CHM 462	Biochemistry II	3 hours
CHM 463	Biochemistry Laboratory	1 hour
CIS 180	Computer Information Systems Modules	3 hours
ENG 301	Advanced Composition (3) OR	
ENG 313	Business and Technical Writing (3)	3 hours
MAT 213	Statistics	3 hours
PHY 111	General Physics I	4 hours
PHY 112	General Physics II	4 hours

Total Major Hours 70 hours

DEGREE REQUIREMENTS — CHEMISTRY (B.S. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Chemistry Major

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 441	Physical Chemistry I	4 hours
CHM 442	Physical Chemistry II	4 hours
CHM —	Upper Division Chemistry Electives (excluding CHM 396, CHM 480, and recitation classes)	7 hours
CIS 180	Computer Information Systems Modules	3 hours
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)

University Liberal Arts Foundation for College of Education Secondary Education Programs (See page 78)

Secondary Education Major Required

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Chemistry for Secondary Teachers Major

** BIO 100	Biology Concepts	4 hours
** BIO 105	Environmental Biology	4 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 480	Methods of Teaching Science in the Secondary Schools	3 hours

CHM —	Upper Division Chemistry Electives (excluding CHM 396 and recitation classes)	4 hours
CIS 180	Computer Information Systems Modules	3 hours
PHY 101	Introduction to Physical Science	4 hours

Total Major Hours 43 hours

* Please refer to the College of Education for certification and minor requirements.

** BIO 181, and BIO 182 are required for biology minors.

DEGREE REQUIREMENTS — PHYSICAL SCIENCE (B.S. DEGREE; Minor Required)

University Liberal Arts Foundation for the College of Science and Allied Health (See page 108)

Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Physical Science Major

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
CIS 180	Computer Information Systems Modules	3 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)

University Liberal Arts Foundation for College of Education Secondary Education Program (See page 78)

Secondary Education Major Required

No Minor Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

Physics for Secondary Teachers Major

CIS 180	Computer Information Systems Modules	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.

University Liberal Arts Foundation for College of Education Elementary Teacher Education Programs (See pages 77-78)

Elementary Education Major Required

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

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
CHM 101	Introduction to Chemistry	4 hours
CHM 230	Elementary Organic Chemistry	4 hours
CIS 180	Computer Information Systems Modules	3 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
EXS 335	Kinesiology	3 hours
— —	Physics/Chemistry Electives (must be Upper Division, excluding PHY/CHM 396, PHY/CHM 480)	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 Introduction to Chemistry 4 hours**

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 Introduction to Chemistry: Recitation 1 hour

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 General Chemistry I 4 hours

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 General Chemistry I: Recitation 1 hour

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 General Chemistry II 4 hours

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 General Chemistry II: Recitation 1 hour

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 Elementary Organic Chemistry 4 hours

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 260 Introduction to Biochemistry 4 hours

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 101 or CHM 230.

CHM 296 Special Topics in Chemistry 1 - 3 hours

On demand. To include topics at the introductory level.

CHM 314 Analytical Chemistry 5 hours

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 Organic Chemistry I 4 hours

Every Fall and every Summer. 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 Organic Chemistry I: Recitation 1 hour

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 Organic Chemistry II 4 hours

Every Spring, and every Summer. Continuation of CHM 331. Topics include reaction mechanisms, kinetics, approaches to chemical synthesis, and qualitative analysis of organic compounds. Three hours lecture, three hours lab. Prerequisite: CHM 331. CHM 332R strongly recommended as a concurrent course.

CHM 332R Organic Chemistry II: Recitation 1 hour

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 396 Chemistry 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.

CHM 399 Practicum 1 - 4 hours

On demand. See pages 24-25.

CHM 401 Science Communication 2 hours

Every semester, (concurrent with BIO 401, and PHY 401). Study of how to gather, analyze, and communicate scientific information. Topics covered include various forms of written communication, publishing research results, and oral presentation techniques. Prerequisite: Junior status, and chemistry major.

CHM 441 Physical Chemistry I 4 hours

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 Physical Chemistry II 4 hours

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 Advanced Inorganic Chemistry 3 hours

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 Biochemistry I 3 hours

Fall, 1998, 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 Biochemistry II 3 hours

Spring, 1999, 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 Biochemistry Laboratory 1 hour

Every semester. 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 Methods of Teaching Chemistry in the Secondary School 3 hours

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 Advanced Topics in Chemistry 3 hours

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 Internship 1 - 4 hours

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 Research in Chemistry 1 - 6 hours

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 Independent Study 1 - 4 hours

On demand. See page 24.

ENGINEERING**EGR 100 Introduction to Engineering 4 hours**

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.

EGR 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.

EGR 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: EGR 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 and MAT 121, or instructor's approval; MAT 122 highly recommended. 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 101 or equivalent.

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 **3 hours**

Engineering Mechanics I: Statics

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 **1 - 3 hours**

Special Topics in Physics

On demand. May include mechanics for engineers, new courses designed to meet the engineering core requirements at Arizona State University. Also non-calculus-based electricity or electronics.

PHY 312 **3 hours**

Engineering Mechanics II: Dynamics

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 **3 hours**

Introduction to Modern Physics

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 **2 hours**

Physics 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.

PHY 401 **2 hours**

Science Communication

Every semester. (Concurrent with **BIO 401**, and **CHM 401**). Study of how to gather, analyze, and communicate scientific information. Topics include various forms of written communication, publishing research results, and oral presentation techniques. Prerequisites: Junior 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: PHY 112. May not be applied to physics 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.

PHY 499 **1 - 4 hours**

Independent Study

On demand. See page 24.

Samaritan College of Nursing

COLLEGE DESCRIPTION

The Samaritan College of Nursing (SCON) is an integral part of Grand Canyon University, working closely with the College of Liberal Arts 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.

Students wishing admission to Samaritan College of Nursing must be first admitted to the University. Application to Samaritan 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 Samaritan 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 Samaritan 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 Samaritan 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 Samaritan College of Nursing. A cumulative grade point average (GPA) of 2.80 and a GPA of 3.00 in prerequisite courses are the recommended minimum GPAs for admission to the nursing program. Admission to Grand Canyon University does not guarantee acceptance into 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. Historically, SCON graduates have been quite successful on the licensure examination; however, satisfactory performance on the licensure examination is the responsibility of the graduate and not guaranteed by Samaritan College of Nursing. 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 is a charter member of the Western Institute of Nursing.

SAMARITAN 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, most seniors have found employment prior to graduation. However, in today's rapidly changing health care environment, employment upon graduation is the responsibility of the graduate and is not guaranteed by Samaritan College of Nursing.

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 are available to high school seniors, transfer and returning students. Contact Samaritan 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.

**UNIVERSITY LIBERAL ARTS FOUNDATION
SAMARITAN COLLEGE OF NURSING**

The University Liberal Arts Foundation for Samaritan College of Nursing differs slightly from the University Liberal Arts Foundation found on page 30. Students majoring in Samaritan College of Nursing must complete all requirements listed below as part of the U.L.A.F. for Samaritan College of Nursing. Changes and additional requirements are indicated by italicized print.

Please note: Prerequisite courses are indicated with a "+" and must be completed prior to the Nursing major requirements.

I. Christian Perspectives:	6 hours
Track 1: BIB 113 Old Testament History (3) and BIB 123 New Testament History (3)	
Track 2: One of the following courses: BIB 103 Survey of the Bible (3) BIB 113 Old Testament History (3) BIB 123 New Testament History (3)	
AND	
One of the following courses: UNV 304 Faith and Living: Issues for the 21st Century (3) UNV 305 The Christian Mind (3) UNV 306 Foundations of the Christian Faith (3)	
II. Communication:	7 hours
A. English - 6 hours * + ENG 101 Academic Writing (3) + ENG 102 Research Writing (3)	
B. Speech - 2 hours ** NUR 207 Therapeutic Communication (2) **	
C. Computer Literacy - 1 hour CIS 180 Computer Information Systems Module (1)	
III. Heritage	6 hours
A. History - 3 hours Any history course with an "HIS" prefix Recommended courses include: HIS 103 Early American History (3) HIS 104 Recent American History (3) HIS 105 Western Civilization to 1500 (3) HIS 106 Western Civilization Since 1500 (3)	
B. Literary and Philosophical Tradition - 3 hours PHI 329 Biomedical Ethics (3)	
IV. Personal and Social Environment	3 hours
+ PSY 101 General Psychology (3)	
<i>Additional Personal and Social Environment requirements for Samaritan College of Nursing</i>	6 hours
+ PSY 341 Lifespan Development (3) + SOC 101 Introduction to Sociology (3)	
V. Mathematical Inquiry	3 hours
MAT 121 College Algebra (3) or higher mathematics course (3)	
<i>Additional Mathematical Inquiry requirements for Samaritan College of Nursing</i>	3 hours
PSY 363 Introduction to Probability and Statistics (3)	
IV. Scientific Inquiry	4 hours
+ BIO 201 Human Anatomy and Physiology I (With Laboratory - 4) ***	
<i>Additional Scientific Inquiry requirements for Samaritan College of Nursing</i>	18 hours
+ BIO 202 Human Anatomy and Physiology II (With Laboratory - 4) + BIO 205 Microbiology (With Laboratory - 4) + BIO 308 Pathophysiology (3) + CHM 101 Introduction to Chemistry (3) + CHM 260 Introduction to Biochemistry (With Laboratory - 4)	
VII. Fine Arts	3 hours
Any art, music, or theatre course (3)	
<i>Additional College of Nursing Requirement</i>	3 hours
+ NUR 204 Applied Nutrition (3)	
Total University Liberal Arts Foundation Requirement for Samaritan College of Nursing:	62 hours

* Students whose Writing Proficiency Examination (placement test) scores place them into ENG 103 Honors Composition may satisfy the requirements of the English section of Core Area II by successfully completing this course. This may reduce the total U.L.A.F. requirements to 59 hours for those students.

** NUR 207 Therapeutic Communication is also a Nursing Major Requirement.

*** Students without a recent and strong biology background should register for BIO 181 General Biology prior to registering for BIO 201.

**DEGREE REQUIREMENTS — NURSING
(B.S.N. DEGREE; No Minor Required)**

University Liberal Arts Foundation Requirements for Samaritan College of Nursing (See this page.)

Prerequisites for the Nursing Major (included in the U.L.A.F. for Samaritan College of Nursing (See this page.)

Electives (As needed to satisfy the 128 semester hour minimum graduation requirement.)

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 Major Hours 65 hours	
Total Requirements for B.S.N. Graduation 128 hours	

NURSING

NUR 203	3 hours
Introduction to Pharmacology	
Every semester and every Summer. 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 and every Summer. 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 and every Summer. 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 biopsychosocial, 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 care 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

GRAND CANYON UNIVERSITY BOARD OF TRUSTEES

Mrs. Aleta Aycock *
 Dr. Steve Bass (ex-officio)
 Mr. David Conatser *
 Rev. Dennis Daniel *
 Rev. R. L. Dodridge
 Mr. Tom Eggebrecht
 Mr. Dan Forrest
 Dr. Jess Garrison
 Rev. Greg Gearing
 Mr. Jim Grosbach *
 Rev. Pat Hail
 Dr. Rick Hatch
 Mr. Gary Johnson
 Dr. David Johnson
 Dr. Eric Kendle *
 Ms. Marlene Klotz
 Dr. Landrum Leavell
 Mr. George Lyman
 Rev. Mitch McDonald
 Dr. Jerry McEuen
 Mr. Marlin Moody
 Dr. Lowell Ormand
 Rev. Mark Pitts
 Rev. Steve Ramer *
 Mrs. Linda Seymour
 Mr. Billy Shelton*
 Dr. Sarah Smithy *
 Mr. Jerry Sowell
 Mr. Frank Switzer
 Mr. Robert Wahlstrom
 Mrs. Mary Wonner

* Nominated to serve

GRAND CANYON UNIVERSITY ADMINISTRATION

BILL R. WILLIAMS
 President
 B.S., Grand Canyon College; M.A. in Ed., Arizona State University;
 M.A., University of Illinois; Ed.D. in Mathematics, Arizona State
 University

MARTHA TAYLOR THOMAS
 Provost
 B.S. in B. and P.A., University of Missouri; Juris Doctorate, Arizona
 State University

CHARLES MAXSON
 Vice President for Academic Affairs
 B.A., Westmont College; M.A., Ph.D., University of California at Los
 Angeles

B. DIANNE DINKEL
 Vice President for Administration Chief Financial Officer
 B.S., Grand Canyon College; M.B.A., Arizona State University; Ed.D.
 Candidate, Northern Arizona University

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 Vice President for University Relations
 B.S., Iowa State University; M.A., University of Iowa; Ed.D., University
 of Oregon

GRAND CANYON UNIVERSITY FOUNDATION

KENNETH R. MILLER
 President
 B.S., M.A., University of Illinois; D.P.A., Grand Canyon University

MARK A. TAYLOR
 Vice President for Program Development
 B.S., Arizona State University; Ph.D., Purdue University

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.

MIKE BAIRD
 Professor of Christian Studies
 B.A., Grand Canyon College; M.Div., Ph.D., Southwestern Baptist Theological
 Seminary

ROBIN BAKER
 Dean, College of Liberal Arts
 Professor of History
 B.A., Grand Canyon University; M.A., Hardin-Simmons University; Ph.D., Texas
 A & M

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
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 B.F.A., Arizona State University

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 Illinois University

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 B.S., Ohio University

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 University of San Diego

JEAN FOOTE
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 B.S.N., M.S., University of Minnesota

PHILIP FORD
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 B.S., Grand Canyon University

BETZ FREDERICK
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 Associate Professor of Christian Studies
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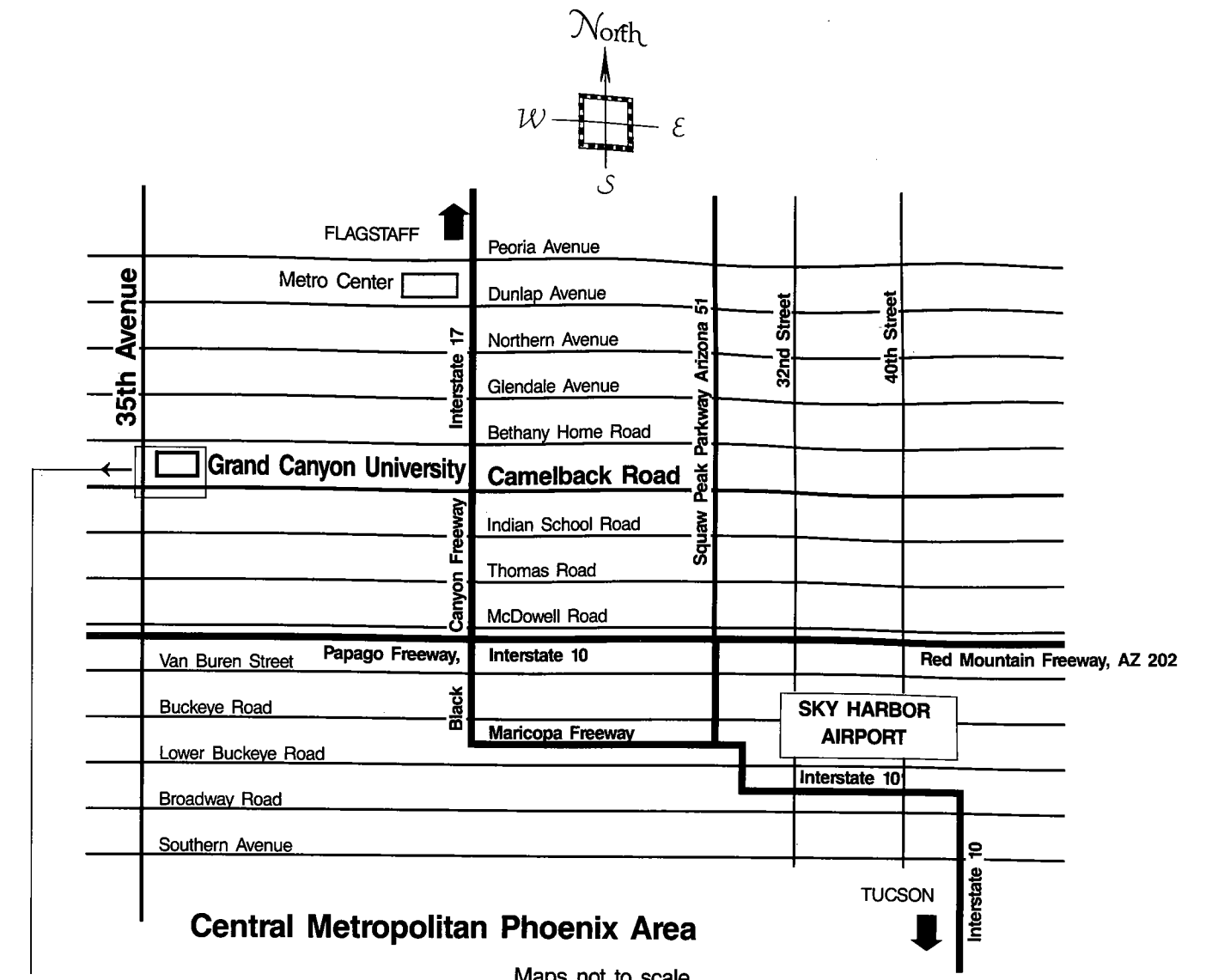
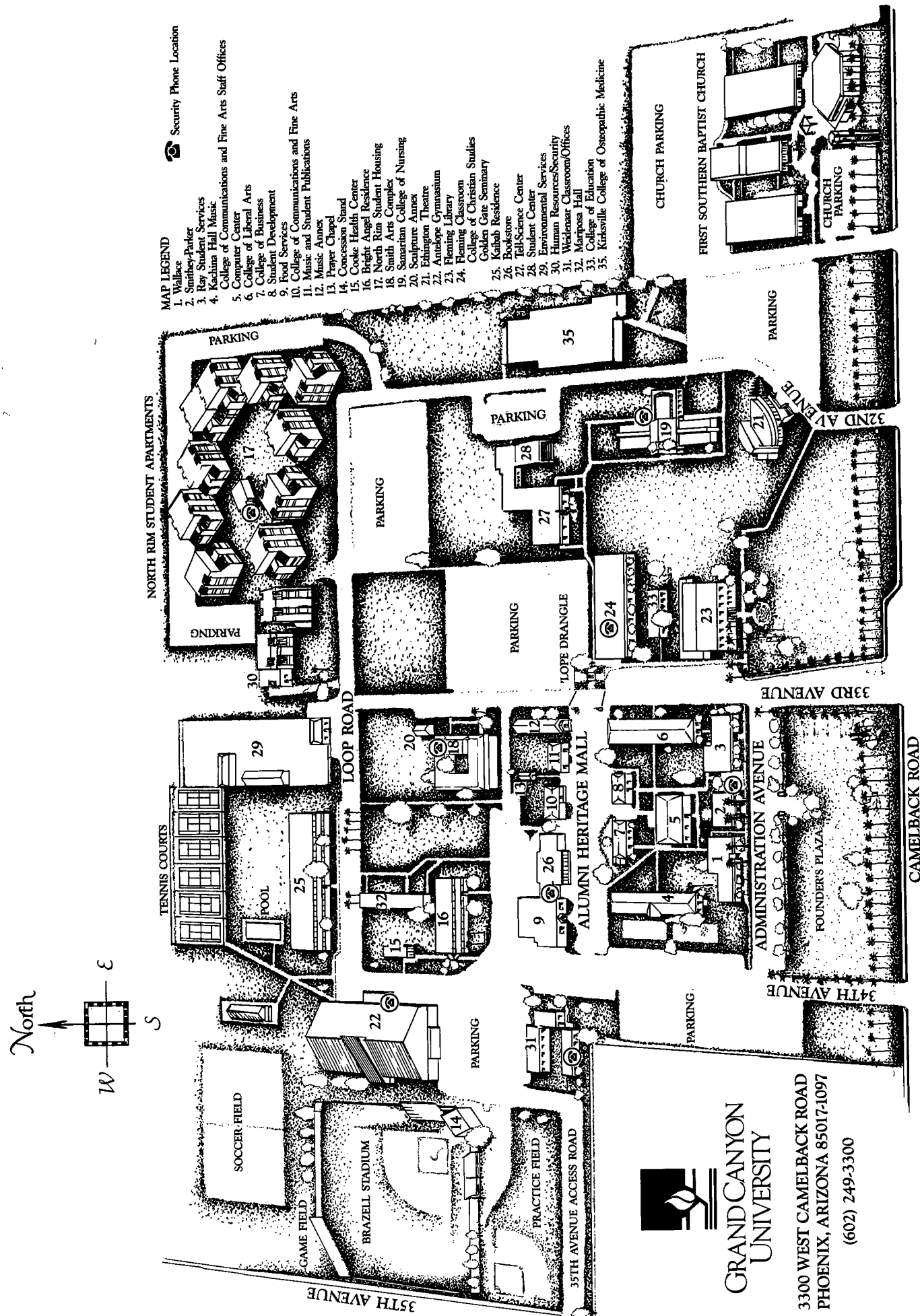
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