

GRAND CANYON UNIVERSITY

CATALOG 1991-92/1992-93



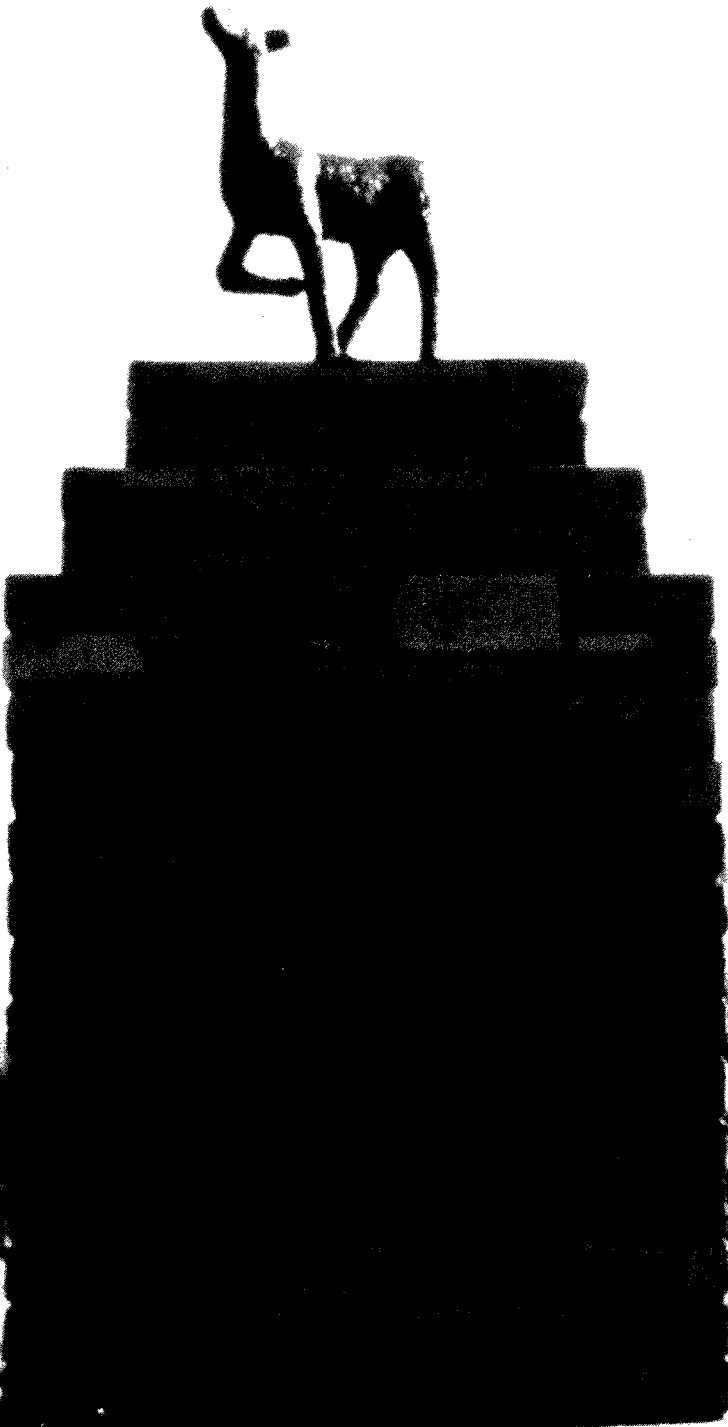


GRAND CANYON UNIVERSITY

Catalog for 1991-1993

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

Founded in 1949



3300 W. Camelback Road
Phoenix, Arizona
Volume XXXIV
May, 1991

WHO TO CONTACT

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College of Business	Dean	589-2867
College of Education	Dean	249-3300
College of Nursing (Samaritan College of Nursing)	Dean	249-3300
College of Performing Arts	Dean	249-3300
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Student Activities	Office of Student Affairs	589-2830
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University Main Switchboard Number:
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P. O. Box 11097
Phoenix, AZ 85061-1097

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

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

Thank You

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

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

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ACADEMIC CALENDAR: SUMMER 1991 - SPRING 1993

As an energy-conservation measure, all campus offices will be closed* every Friday, Saturday, and Sunday from May 31 through August 18, 1991. Please arrange to conduct all business between 8 a.m. and 5 p.m., Monday through Thursday.

*Exception: Fridays, June 7 and July 12, selected buildings needed for Summer Session Registrations will be open until noon.

Summer 1991 - Pre-Session:

Instruction Begins May 28
Pre-Session ends Jun 6

Summer I - 1991: (Classes Meet Monday through Thursday)

Registration (8 a.m. - Noon) Jun 7
Late Registration Jun 10-12
Instruction Begins Jun 10
Last Day to Add a Class Jun 12
Last Day to Drop a Class/Change to Audit Jun 27
Independence Day (No Classes, Offices Closed) Jul 4
Summer I Ends Jul 11
Summer I Grades Due by Noon Jul 15

Summer II - 1991: (Classes Meet Monday through Thursday)

Registration (8 a.m. - Noon) Jul 12
Late Registration Jul 15-17
Instruction Begins Jul 15
Last Day to Add a Class Jul 17
Last Day to Drop a Class/Change to Audit Aug 1
Summer II Ends Aug 15
Summer II Grades Due by Noon Aug 19

Fall Semester 1991:

Faculty/Staff Prologue Aug 23
Residence Halls/Apartments Open to New Students (7-9 p.m.) Aug 23
New Student Orientation Aug 24-28
Parents Orientation Aug 24
Residence Halls Open for Returning Students (2-5 p.m.) Aug 25
New Student Orientation/Group Advisement/Priority Registration Aug 26
†Registration for Graduate Students, Second Degree, Fifth Year, and Seniors Aug 27
†Evening Registration (6-7 p.m.) Aug 27
†Registration for Juniors, Sophomores, Freshmen, and Unclassified Students Aug 28
Late Registration Aug 29 - Sep 6
Instruction Begins Aug 29
Labor Day (No Classes, Offices Closed) Sep 2
Last Day to Add a Class Sep 6
Mid-term Examinations Oct 21-25
Mid-term Grades Due by Noon Oct 28
Last Day to Drop a Class/Change to Audit Nov 8
Veteran's Day (No Classes - Exception: Classes Beginning After 5:00 p.m. or Meeting Only on Monday will Meet, Offices Closed) Nov 11
Pre-Registration for Spring 1992 Classes (Open to Currently Enrolled Students Only) Nov 18-22
Office of the Registrar Open Until 7 p.m. Nov 19
Thanksgiving Holiday (No Classes, Offices Closed) Nov 28-29

Final Examinations Dec 16-19
Fall Final Grades Due by Noon Dec 23
Christmas Holiday Dec 20-Jan 7

Student Teaching - Fall 1991:

Education Block Courses Begin Aug 29
Last Day to Register for Block Courses Sep 6
Last Day to Drop Block Courses Sep 13
Education Block Courses End Oct 4
Fall Student Teaching Begins Oct 7
Fall Student Teaching Ends Dec 13

Spring Semester 1992:

Residence Halls/Apartments Open/ New Students (6-8 p.m.) Jan 7
Residence Halls Open for Returning Students (1-3 p.m.) Jan 8
New Student Orientation/Group Advisement/Priority Registration Jan 8
Faculty Workshop (Morning) Jan 8
†Registration Jan 9
†Evening Registration (6-7 p.m.) Jan 9
Late Registration Jan 10-17
Instruction Begins Jan 13
Last Day to Add a Class Jan 17
President's Day (No Classes, Offices Closed) Feb 17
Mid-term Examinations Mar 2-6
Mid-term Grades Due by Noon Mar 9
Spring Break (No Classes) Mar 9 - 13
Last Day to Drop a Class/Change to Audit Mar 20
Pre-Registration for Fall 1992 Classes (Open to Currently Enrolled Students Only) Apr 6-10
Office of the Registrar Open Until 7 p.m. Apr 11
Good Friday (No Classes, Offices Closed) Apr 11
Final Examinations Apr 30-May 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 1992:

Education Block Classes Begin Jan 13
Last Day to Register for Block Courses Jan 17
Last Day to Drop Block Courses Jan 24
Education Block Courses End Feb 18
Spring Student Teaching Begins Feb 24
Spring Student Teaching Ends May 1

† Refer to Class Bulletin for specific times.

(Beginning with the Summer Session of 1992, Grand Canyon University will offer three Summer terms: a three-week term followed by two five-week terms. Individual courses may span two or even three * but most will be contained within one term. Check the *Sub...* Bulletin for details.)

Summer I - 1992: (Classes Meet Monday through Friday)

Registration (8 a.m. - Noon)	May 15
Late Registration	May 18-May 20
Instruction Begins	May 18
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	May 27
Summer I Ends	Jun 4
Summer I Grades Due by Noon	Jun 8

As an energy-conservation measure, all campus offices will be closed every Friday, Saturday, and Sunday from June 5 through August 14, 1992. Please arrange to conduct all business between 8 a.m. and 5 p.m., Monday through Thursday.

Summer II - 1992: (Classes meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	Jun 4
Late Registration	Jun 8-10
Instruction Begins	Jun 8
Last Day to Add a Class	Jun 10
Last Day to Drop a Class/Change to Audit	Jun 25
Summer II Ends	Jul 9
Summer II Grades Due by Noon	July 13

Summer III - 1992: (Classes meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	Jul 9
Late Registration	Jul 13-15
Instruction Begins	Jul 13
Last Day to Add a Class	Jul 15
Last Day to Drop a Class/Change to Audit	Jul 30
Summer III Ends	Aug 13
Summer III Grades Due by Noon	Aug 17

Fall Semester - 1992:

Faculty Staff Prologue	Aug 21
Residence Halls/Apartments Open/ New Students (7-9 p.m.)	Aug 21
New Student Orientation	Aug 22-24
Parents Orientation	Aug 22
Orientation/Group Advisement/ Priority Registration	Aug 24
Residence Halls Open for Returning Students (2-5 p.m.)	Aug 23
†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
Late Registration	Aug 27-Sep 4
Instruction Begins	Aug 27
Labor Day (No Classes, Offices Closed)	Sep 7
Last Day to Add a Class	Sep 4
Mid-term Examinations	Oct 19-23
Mid-term Grades Due by Noon	Oct 26
Last Day to Drop a Class/Change to Audit	Nov 6

Veteran's Day (No Classes, Offices Closed) Nov 11

Pre-Registration for Spring 1993 Classes

(Open to Currently Enrolled Students Only) Nov 16-20

Office of the Registrar Open Until 7 p.m. Nov 17

Thanksgiving Holiday

(No Classes, Offices Closed)

Final Examinations

Fall Final Grades Due by Noon

Christmas Holiday

Student Teaching - Fall 1992:

Education Block Courses Begin	Aug 27
Last Day to Register for Block Courses	Sept 4
Last Day to Drop Block Courses	Sept 11
Education Block Courses End	Oct 1
Fall Student Teaching Begins	Oct 5
Fall Student Teaching Ends	Dec 11

Spring Semester - 1993:

Residence Halls/Apartments Open/
New Students (6-8 p.m.)

Residence Halls Open for

Returning Students (1-3 p.m.)

New Student Orientation/Group

Advisement/Priority Registration

Faculty Workshop (Morning)

†Registration

†Evening Registration (6-7 p.m.)

Late Registration

Instruction Begins

Last Day to Add a Class

President's Day (No Classes, Offices Closed)

Mid-term Examinations

Mid-term Grades Due by Noon

Spring Break (No Classes)

Last Day to Drop a Class/Change to Audit

Pre-Registration for Fall 1993 (Open to

Currently Enrolled Students Only)

Office of the Registrar Open Until 7 p.m.

Good Friday (No Classes, Offices Closed)

Final Examinations

Senior Grades Due by Noon

Baccalaureate

Graduation

Spring Final Grades Due by Noon

Student Teaching - Spring 1993:

Education Block Classes Begin	Jan 11
Last Day to Register for Block Courses	Jan 15
Last Day to Drop Block Courses	Jan 22
Education Block Courses End	Feb 16
Spring Student Teaching Begins	Feb 22
Spring Student Teaching Ends	Apr 30

† Refer to *Class Bulletin* for specific times.

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MAY 1992

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General University Information



Purpose of the University
Christian Emphasis
Accreditation
Historical Sketch
Governing Body
Faculty
Alumni Association
Center for International Education
Christian College Coalition Programs
American Studies Program
Latin American Studies Program
Los Angeles Film Studies Center
University Campus
Location
Athletic Facilities
Campus Housing
Charles M. Cooke Health Center
Computer Center
Ethington Memorial Theatre
Fleming Classroom Building
Fleming Library
Mrs. W. C. Henderson Missionary-In-Residence Apartment
Ray Student Services Building
Samaritan College of Nursing Building
Smith Arts Complex
Smithey-Parker Building
Tell Science Building
University Bookstore
Wallace Building
University Publications
University Seal
University Logo

PURPOSE OF THE UNIVERSITY

Grand Canyon College was chartered in 1949 by the Baptist General Convention of Arizona. In 1989 it became Grand Canyon University.

Grand Canyon University is a Christian, liberal arts university. As such, it offers Bachelor's degree programs, and Master's degree programs within the College of Education and the College of Business, which feature academic excellence in an environment where a Christian perspective is emphasized. The University strives to attract capable, ambitious, and moral people who can benefit from a college education with a Christian emphasis and who are motivated by ideals of service in various fields of human endeavor.

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

CHRISTIAN EMPHASIS

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

Formal activities include attendance at chapel services and courses in Old and New Testament history which are required for graduation. Classes are encouraged to explore the integration of the Christian faith with their discipline. Once each semester and again with the Staley Lecture Series in the Spring semester, the University allocates special times for outstanding Christian leaders to speak to the student body.

Informal activities sponsored by the University which have a Christian emphasis include the Baptist Student Union, Christian Ministries Association, SOWers and other student clubs. An active missions program has resulted in students and faculty serving in more than 30 foreign countries since 1983.

The University encourages an atmosphere supportive of Christian ideals in the classrooms, in the residence halls, on the athletic field and in every University activity.

Many students coming to Grand Canyon University are confident and clear about their religious faith; others are uncertain, indifferent or uninformed. The interaction of these persons with each other stimulates spiritual growth and develops new insights.

Grand Canyon University adds a spiritual thrust to the challenging and academically demanding nature of a high-quality college education. The University emphasizes and exemplifies the fact that scholarship and Christianity are not only compatible but complementary.

ACCREDITATION

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

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

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

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

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

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 North Central Association of Colleges and Schools in 1968.

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

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
 Frank Sutton (acting president), 1952
 B. O. Herring, 1952-54
 Glenn Eason (acting president), 1954-55
 Loyd R. Simmons, 1955-58
 Glenn Eason (acting president), 1958-59
 Eugene N. Patterson, 1959-65
 Charles L. McKay (acting president), 1965-66
 Arthur K. Tyson, 1966-72
 William R. Hintze, 1973-77
 Dillard Whitis (acting president), 1977-78
 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 selects its instructional staff to fulfill its mission, emphasis being placed upon character, academic competence, teaching ability and personality. 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 both student and peer evaluations. Desirable personality traits for faculty include friendliness, fair-mindedness, sympathetic understanding, a sense of humor, self-control, and humility.

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 former students who have completed a minimum of 32 semester-hours in residence. Only graduates may hold elective offices.

CENTER FOR INTERNATIONAL EDUCATION

Grand Canyon University's international programs offer students opportunities to increase their global awareness through experience.

Since 1983 approximately 500 of Grand Canyon University's students, faculty, and staff have traveled to over 30 countries to teach, minister, or study. The Center for International Education was established in 1986 to enhance and increase study-abroad programs.

ONGOING PROGRAMS

China — Grand Canyon University has relationships with two colleges in far northwest China: August First Agricultural College and Kashgar Teacher's College. Each summer approximately ten students travel to each school to teach English. All students are required to enroll in English Language Teaching Foundations and Methodology and do their practicum in China.

Brazil — A ten year agreement to assist ten 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.

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

Spain — Intermediate and advanced Spanish and courses in Spanish

history and culture are available through a semester in Madrid.

Soviet Union — Kazakh State University is a sister institution to Grand Canyon. Students may study there for one year on an exchange agreement. Short term experiences in the Soviet Union are available also.

Each summer other groups go to such places as Scotland, England, Germany, and France. Students interested in international learning should contact the Center for International Education.

CHRISTIAN COLLEGE COALITION PROGRAMS

AMERICAN STUDIES PROGRAM

The American Studies Program, sponsored by the Christian College Coalition, is designed for Juniors and Seniors with a wide range of academic majors and vocational interests. Students are involved in the American Studies Program for one semester. The internship/seminar opportunity is available starting in September and in January.

The American Studies Program was created to provide field experience and study opportunities in Washington, D. C., for diverse majors and personal interests. The program is based on the idea of integrating faith and learning through real-life work experience, 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 the program is the decision of the Christian College Coalition.

The program allows the student to earn one semester's worth of Grand Canyon University credit (approximately 16 credit hours). It is the responsibility of the student to ascertain from the appropriate College Dean/Department Chair what major or minor requirements will be met by the coursework taken. The Christian College Coalition sets the charges for this program and the student is responsible for the payment of these charges.

LATIN AMERICAN STUDIES PROGRAM

The Latin American Studies Program (LASP), sponsored by the Christian College Coalition, is designed for juniors and seniors with a wide range of academic and vocational interests whose preparation could be enhanced by gaining firsthand an understanding of Third World cultures. Students typically spend part of the semester living with host families in Costa Rica, meeting Latin American business, political, and religious leaders and traveling to other Latin American countries. There is also a strong service component. Some knowledge of Spanish is helpful but part of the early weeks of the semester is spent in intensive language study. The program is one semester in length and is offered every Fall and Spring. Preference is given to early applicants and applications may be obtained from the office of the Vice President for Academic Affairs. Final admission to the program is the decision of the Christian College Coalition.

This program allows the student to earn one semester's worth of Grand Canyon University credit (approximately 16 credit hours). It is the responsibility of the student to ascertain from the appropriate College Dean/Department Chair what major or minor requirements will be met by the coursework taken. The Christian College Coalition sets the charges for this program and the student is

responsible for the payment of these charges.

LOS ANGELES FILM STUDIES CENTER

The newest of the Christian College Coalitions's off-campus programs available to Grand Canyon students is located at the Los Angeles Film Studies Center and known as the "Hollywood semester." The Center will incorporate study programs and internship experiences for gifted and liberally-educated persons from member institutions of the Christian College Coalition. The program seeks to provide a needed values base for advanced skills acquisition and on-the-job training taken through recognized and qualified film industry sources. It is an interactive residential experience and students must live in accommodations provided by the program. The program can be either a one or two semester experience with alumni of the first semester eligible to apply for a semester-long internship in their field of interest. (The second semester opportunity is not guaranteed.)

The Hollywood semester consists of three courses:

- a. Inside Hollywood: The Work and Workings of the Film Industry
- b. Keeping Conscience: Ethical Challenges in the Entertainment Industry
- c. Film in Culture: Exploring a Christian Perspective on the Nature and Influence of Film

The program is open to Juniors and Seniors interested in pursuing a career in some aspect of film production. The Christian College Coalition makes admission decisions and applications are available through the office of the Vice President for Academic Affairs. By prior arrangement with the College of Performing Arts (for Communications majors) or another department or college within the University, some or all of the credit earned at the L.A.F.S.C. may be transferred to Grand Canyon. Students must check with their faculty advisor and Dean/Department Chair to assure transferability and applicability to their academic major or minor.

UNIVERSITY CAMPUS

LOCATION

The University is located in the central northwest area of Phoenix, the capital city of Arizona. Phoenix is near the geographical center of the state and is a thriving industrial and agricultural city with a population of over 2.3 million in the metropolitan area. Located near places of interest, such as the Grand Canyon, the Petrified Forest, Montezuma's Castle, Oak Creek Canyon, Walnut Canyon, and the Superstition Mountains, Phoenix is one of the notable winter resorts of America. The city is easily accessible over Interstate Highways 10 and 17. Convenient airline connections are available through Sky Harbor International Airport.

The University has 70 acres available for development of its campus. The original buildings were constructed in 1951 of pumice block in a one-story cottage style. They are now used for administrative and faculty offices, the cafeteria, auxiliary classrooms and laboratories. Landscaped with flowers and Arizona shrubs and trees, the campus is comfortable and provides an attractive setting for college living in the Valley of the Sun.

A gymnasium and the Fleming Library were constructed in 1957. A residence hall and a health center were completed in 1960. A

classroom building, another residence hall, a student pavilion, an addition to the library, and an extension to the cafeteria were completed in 1963. The bookstore occupied newly-constructed quarters in 1964 and a residence hall addition was completed in 1965. The Ethington Memorial Theatre was constructed in 1973. The Tell Science Building in 1977; the Wallace Building in 1982, and the Smithey-Parker Building housing administrative offices in 1983. The Dr. C. J. and Thelma Smith Arts Complex was dedicated in 1984, Samaritan College of Nursing in 1985, and the Ray Student Services Building was dedicated in 1987.

ATHLETIC FACILITIES

Antelope Gymnasium is the home court of the 1975, 1978, and 1988 NAIA Men's basketball champions. With a seating capacity of approximately 500, the gym also provides facilities for the women's basketball and volleyball teams and physical education classes. It contains lockers, showers and equipment rooms for men and women, as well as office space, one classroom, and a weight room.

The men's varsity baseball team, NAIA champions in 1980, 1981, 1982 and 1986, plays at Brazell Stadium. This facility includes seating for 3,000, pressbox, snackbar, and restrooms.

The women's tennis team, 1981 NAIA champions, play at the Youngker Tennis Center. This six court facility was donated by the Youngker family of Buckeye in memory of their son Steven, who lost his life in military service. In 1985 lights were installed on three courts.

A heated swimming pool was opened in 1985 for recreational use.

CAMPUS HOUSING

Bright Angel Hall, named for Bright Angel Creek at the bottom of the Grand Canyon, was completed in 1960. It houses 60 residents in a two-story building. There is a second floor lounge, and a separate guest room facility.

Kachina Hall is a single-story building with a study room and houses 30 residents.

East Kaibab Hall is a two-story facility, named for Kaibab Forest, and was completed in 1963. An additional wing, Kaibab West, was completed in 1967. Kaibab has a large separate study room, and a separate guest room facility. The second floors have a lounge. Kaibab houses 120 residents.

Mariposa Hall, a single-story building housing 30 residents, opened its doors in 1982.

Each residence hall has a main lobby and coin-operated laundry facility. Individual rooms are furnished.

The North Rim Student Housing Complex, named for the North Rim of the Grand Canyon, opened in the fall of 1986, consists of nine complexes with 153 furnished and unfurnished units. The complexes are two- and three-story and consist of one bedroom, one bath at 671 square feet; two bedroom, one bath at 772 square feet; and two bedroom, two bath at 934 square feet. It is available to upperclassmen and married students.

CHARLES M. COOKE HEALTH CENTER

The Alumni Association of the University sponsored the raising

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

COMPUTER CENTER

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

Two microcomputer laboratories utilizing IBM-compatible 286 personal computers are available to students, with network access to dot matrix, laser, and color printers. Macintosh computers are also available in both laboratories. 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.

ETHINGTON MEMORIAL THEATRE

The Ethington Memorial Theatre, with a seating capacity of 319, was completed in 1973. It was given by Peter and Anna Ethington.

This building serves as a small auditorium for lectures, plays, concerts, and recitals.

FLEMING CLASSROOM BUILDING

The Fleming Classroom Building, completed in 1963, contains classrooms and houses the Christian Studies faculty.

FLEMING LIBRARY

The Fleming Library houses a collection of 110,000 volumes, over 500 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 music listening room, curriculum and juvenile collections, and group study rooms. Microform reader printers, copy machines and audiovisual equipment are available for patron use.

The Richard A. Jackson Center for Preaching and Evangelism is housed on the second floor of Fleming Library. The Center provides a supplement to traditional Southern Baptist training for pastors and other Christian workers eager to expand their church's evangelistic capabilities with information, tools, and guidance for the task.

MRS. W. C. HENDERSON MISSIONARY-IN-RESIDENCE APARTMENT

Mrs. W. C. Henderson's life-long interest in missions was a personal commitment. She came to Arizona with a missionary heart in 1907. Until a few years prior to her death in 1982, she was active in every phase of missions within Arizona and around the world.

Grand Canyon University and friends have honored her life by providing the Mrs. W. C. Henderson Missionary-In-Residence furnished apartment on campus for the furloughing missionary or missionary couple who works with the Missionary-In-Residence Program.

RAY STUDENT SERVICES BUILDING

This administration building of 6,350 square feet was dedicated in 1987 in honor of Grand Canyon's founding President, Dr. Willis J. Ray. It houses Recruiting, the Office of Admissions, the Office of the Registrar, the Business Office, the Financial Aid Office and Office of Human Resources.

SAMARITAN COLLEGE OF NURSING

This 16,000 square foot facility was dedicated in 1985 to Samaritan Health Service in gratitude for their support of the College of Nursing. The building contains classrooms, offices, a 120-seat lecture hall, a nursing skills lab, and a learning resource center. Math Department offices and the Dynamical Systems Lab are also located here.

SMITH ARTS COMPLEX

This quadrangle of studios, classrooms and the Andrew P. Tell Art Gallery provides an excellent teaching facility for art students. Finished in 1984, the complex contains studios for painting, drawing, ceramics, jewelry, printmaking, sculpture, and a complete darkroom.

SMITHEY-PARKER BUILDING

The Smithey-Parker Building, completed in 1983, houses administrative offices, a conference room and the main University switchboard.

TELL SCIENCE BUILDING

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

UNIVERSITY BOOKSTORE

The bookstore contains required textbooks, supplementary books, office and educational supplies. Imprinted clothing such as sweat-shirts, tee-shirts, and caps, along with imprinted gift items, are also available. The bookstore offers other services such as special orders, class rings, and graduation supplies.

Bookstore Hours:

Monday, Tuesday, Thursday	8:00 a.m. - 9:00 p.m.
Wednesday, Friday	8:00 a.m. - 5:00 p.m.
Saturday	10:00 a.m. - 3:00 p.m.

Limited hours during Summer session.

WALLACE BUILDING

Dedicated in 1982, the Wallace Building was built in appreciation of A. A. and Ida May Wallace who were instrumental in constructing some of the early buildings of the campus. It houses several

administrative offices. The Grand Canyon University Foundation also maintains its offices here.

In addition, the Kirksville College of Osteopathic Medicine maintains its southwest regional office here.

UNIVERSITY PUBLICATIONS

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

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 by the Office of Student Affairs. It makes available detailed information concerning rules and procedures for approved student activities. It is printed with the University Calendar.

UNIVERSITY SEAL



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

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

UNIVERSITY LOGO



The University logo, 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.

Financial Information



Student Expenses

Vali-dine

Room and Board

Tuition, Housing, and Fees

Special Fees

Special Class Fees

Student Insurance

Refund Policies

 Add/Drop

 Complete Withdrawal

 Appeals

 Financial Aid

 Refund Schedule

Financial Aid

Eligibility

Application Process

Student Responsibilities

Student Rights

Scholarships

Endowed Scholarships

Grants From Private
Businesses, Foundations,
and Organizations

Grants

Student Loans

Employment

Student Employment
Services

Placement Services

Approvals

STUDENT EXPENSES

The regular school year is composed of a Fall semester and a Spring semester. Summer session is composed of one three week term and two five week terms.

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. Terms and additional information are available in the University Business Office. Failure to comply with the stated policies of the University Business Office could result in an administrative withdrawal from classes. This includes: incomplete registration, failure to meet payment arrangements, and other policies stated in the catalog. If the student is intending to rely on financial aid for payment on their account, then application for financial aid must be made at least two months in advance of need. The University will honor VISA, MasterCard and American Express charges.

Summer I must be paid prior to Summer II. Summer II must be paid prior to Summer III. Summer III must be paid prior to the Fall semester.

Students may not receive transcripts, or participate in commencement until satisfactory arrangements have been made to clear accounts 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 contains the student's photo to prevent 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 a certain amount of food to allow 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 to enable them to conveniently purchase cafeteria meals. 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, or check, or term payment options). 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

The cafeteria is closed when school is not officially in session (during the 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 third Summer term and the

opening of the Fall semester).

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

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

Vali-dine bookstore credit purchases 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 is charged room and board at the time of registration. The cafeteria is 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 third Summer term and the opening of the Fall semester.

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

TUITION, HOUSING, AND FEES

REFER TO INSERT FOR CURRENT CHARGES

ACADEMIC YEAR

Tuition, per semester hour
(Scholarships do not apply toward Summer terms)

Audit fee, per semester hour
(Scholarships do not apply)

Center for Biblical Studies
Tuition and all fees per semester hour

General fee
9 hours or more, per semester
8 hours or less, per semester hour
Summer (per term)

University Systems Facilitation (Fall and Spring semesters only)
5 or more hours
4 or less hours

Parking
Fall and Spring semester/Summer terms
Spring semester only
Summer terms
Registration of second car

Enrollment Deposit
(Required of all newly accepted applicants for admission)

Campus Housing Deposit

Each application must be accompanied by this deposit. A portion is non-refundable.

Room and Board**Fall and Spring Semesters, per semester**

- Option One (21 meals per week)
- Option Two (14 meals per week)
- Private Room Rate, additional charge
- *Summer I term, per 3 week term
- *Summer II and III, per 5 week term
(If taking 6 hours or more)
- Per week
- Private Room Rate, additional charge

Board (Non-Residence Hall Students)**Fall and Spring semesters**

- Option One (21 meals per week)
- Option Two (14 meals per week)
- *Summer I term, (3 week)
- *Summer II and III terms (per 5 week term)

*The University reserves the right to close cafeteria services during the summer terms.

North Rim Student Housing Complex (utilities included)

- One Bedroom/One Bath, Furnished
- One Bedroom/One Bath, Unfurnished
- Two Bedroom/One Bath, Furnished
- Two Bedroom/One Bath, Unfurnished
- Two Bedroom/Two Bath, Furnished
- Two Bedroom/Two Bath, Unfurnished

SPECIAL FEES**REFER TO INSERT FOR CURRENT CHARGES**

- Application (non-refundable)
 - Undergraduate
 - Graduate
- Academic Regalia
- Complete Withdrawal
- Cooke Health Center Appointment Cancellation
- Drop Fee
- Employment Placement Service
- Guest Housing, per night
- Guest Room (Residence Hall), per night
- Graduation Curriculum Change
- Incomplete Records
- Incomplete Registration
- Interest charges on unpaid balance at Business Office, per month
- Late Examination
- Late Registration
- Non-Sufficient Funds
 - First check
 - Second check
 - Third check
- Placement (College of Education)
- Post Office Box Rental, per semester
- Replacement of Student I.D./Vali-dine card
- Residence Hall Dues
- Special Examination
- Special Examination, per semester hour or credit equivalent

Special Study (Independent Study, Internship/Practicum, and Reading and Conference)

Statement of Intent to Graduate (Undergraduate)

Statement of Intent to Graduate (Graduate)

Student Employment Placement

Student Insurance, accident and health, per semester (approximately)

Self

Per Child

Self/Spouse

Self/Child

Family

Transcripts (first one free), each additional

Undergraduate Academic Checksheet, per page

Unofficial Graduation check list

Writing Proficiency Examination

Yearbook (*Canyon Trails*)

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 hall and apartment), all international students and students participating in intercollegiate sports are required to carry accident/health insurance. Students living in campus housing will automatically be charged for this insurance on the day of registration. The charge may be credited back upon verification of proof of insurance with the completion of the Student Insurance Waiver Form. This form is available through the Director of Housing or the University Business Office. Commuter students are encouraged to carry accident/health insurance.

Fall semester coverage becomes effective at 12:01 a.m. on August 14, or as soon thereafter as application for it is received, and will terminate at 12:01, February 14. Spring semester coverage becomes effective at 12:01 on February 14, or as soon thereafter as application is received and will terminate at 12:01 on August 14. 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 issue or 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 a course simultaneously there will be no tuition penalty.

Tuition refund for dropping a course is subject to the Refund Schedule below and is calculated on the date the completed Drop form is received in the Office of the Registrar. A drop fee will be charged to the student.

COMPLETE WITHDRAWAL

Students who completely withdraw from the University must submit to the Office of the Registrar a completed withdrawal form. This form is available in the Office of the Registrar. Tuition refund is subject to the Refund Schedule and is calculated on the date the completed withdrawal form is received in the Office of the Registrar. 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 other than College Work-Study, 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. Perkins/NDSL, National Direct Student Loan Program,
2. SEOG, Supplemental Educational Opportunity Grant Program,
3. SSIG, State Student Incentive Grant Program,
4. Stafford/GSL, Guaranteed Student Loan Program,
5. Pell Grant Program,
6. Parent and SLS/Auxiliary Loan 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 allocable to a loan made under the Stafford/GSL or SLS 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 College Work-Study, or PLUS funds — automatically become an overpayment and must be returned to the program from which they were awarded. A temporary hold will be placed on the student account in the University Business Office until the refund process is completed.

REFUND SCHEDULE

Fall and/or Spring semester refunds

Complete withdrawal fee \$0.00
Drop fee (for one or more hours) \$10.00

Tuition/Room and Board

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

Room and board refunds are not given for improper Residence Hall check-outs.

Fees

Fees are not refundable after the first week of classes.

Summer session refunds

Complete Withdrawal fee \$25.00
Drop fee (for one or more hours) \$10.00

Tuition

First - Third days of session 75% of tuition
Fourth - Fifth days of session 50% of tuition
Sixth - Seventh days of session 25% of tuition
After the Seventh day of session No refund

Room and Board

Room and Board charges are not refundable during the Summer terms.

Fees

Fees are not refundable after the first week.

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 Sunday or on a day when the University Business Office is not open, the refund is obtainable on the next business day.

Refund Check Request Policy

Any student that is due a refund from the University must complete a check request form available in the University Business Office. The University reserves the right to apply credits to any bill owed to the University (i.e.: apartments, phones, emergency loans, etc.) before a refund will be issued. All check requests are subject to approval and verification, and must comply to Financial Aid and University regulations to determine if the funds are releasable and valid. Approved check requests will be available according to the schedule posted in the University Business Office.

FINANCIAL AID

The primary purpose of student financial aid is to provide resources to students who otherwise would be unable to pursue a postsecondary education. The primary responsibility for meeting University

costs lies with the student and family. The University should be expected to assist only when the family is unable to meet the full cost of attendance.

Admissionally, 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 be eligible for financial assistance, a student must be enrolled at least half-time (6 credit hours) in a degree-granting course of study, 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 (Basic) Grant, the Supplemental Educational Opportunity Grant, or the State Student Incentive Grant.

APPLICATION PROCESS

Grand Canyon prefers the SINGLEFILE as the primary form of application. There is no fee charge. However, any of the following forms may be used to apply for financial aid: (1) ACT Family Financial Statement (FFS) which can be used to apply for most aid programs including the Pell (Basic) Grant. A fee is charged by the processor. The ACT code number is 0092 for Grand Canyon University. (2) College Scholarship Service (CSS) Financial Aid Form (FAF) can also be used to apply for most aid programs including Pell (Basic) Grant. A fee is charged by the processor. The CSS code number is 0092 for Grand Canyon University. (3) The Federal Financial Aid Application is for the Pell (Basic) Grant only and no fee is required.

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. An academic transcript must be on file in the Office of Admissions from each previous college or university attended.

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, priority dates do exist. A student's file should be complete at least sixty days prior to the academic period in which aid is desired.

Students interested in priority consideration must submit an application no later than March 15 before anticipated enrollment in the Fall, and October 15 before anticipated enrollment in the Spring. Applications will be reviewed on a "first come, first served" basis.

All loan applications must be processed for the current semester by the Monday following Mid-Term examination week.

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 informa-

tion obtained from SINGLEFILE, FFS, FAF or Pell Grant Application.

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

$$\begin{array}{r} \text{Cost of attendance} \\ \text{Minus — Parent's Contribution} \\ \text{Minus — Student Contribution} \\ \text{equals FINANCIAL NEED} \end{array}$$

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

AWARD PROCEDURES

For financial aid programs in which need is the factor in determining eligibility, the Pell (Basic) Grant is considered first. If a student's need is not fulfilled with the Pell, Supplemental Educational Opportunity Grant (SEOG) is the next form of aid considered. Employment is granted unless it appears to be detrimental to the student's academic performance, or it would be impractical for the student to work because of limited eligibility. If it is not in the student's best interest to work, or if employment alone will not complete eligibility, other types of grants (gift aid) 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.

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. Students enrolled part-time (not less than 6 hours) will be eligible for a prorated portion of their financial aid.

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

Qualitative: 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. (Grants-in-aid will be based on the requirements of the NCAA.) Student's in a Bachelor Degree program that transfer into Grand Canyon University are considered to be making satisfactory progress if they maintain a 2.0 ("C") grade point average and do not have excessive course drops. Student's continuing their Bachelor's Degree program at Grand Canyon University are permitted one semester of scholastic probation but must regain at least a 2.0 ("C") grade point average thereafter or they will be placed on Financial Aid Suspension

and no award will be made until the student has brought his or her cumulative GPA up to 2.0. The Graduate Degree program requires a 2.5 grade point average for the first academic year and a 3.0 grade point average thereafter.

Quantitative: Excessive course withdrawal is not permitted. Students enrolled as full-time (12 hours or more) must complete the semester as a full-time student. It is important to note that in determining a student's quantitative progress in his or her course of study, Grand Canyon University will consider all periods of the student's attendance at the institution regardless of whether the student received financial aid for those periods.

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
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A full-time student must have earned at least this number of credits:

24	50	75	102	128
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A part-time student must have earned at least this number of credits:

12	24	37	50	63	75	89	102	115	128
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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
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A part-time student must have earned at least this number of credits:

9	18	27	36	45	54	63	72
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Students failing to complete the quantitative satisfactory progress requirements within an academic year will be placed on Financial Aid Suspension until the deficiency is made up. Students failing to meet the qualitative satisfactory progress will not be eligible to receive federal financial aid.

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 Notification of Award.
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 determination 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.

SCHOLARSHIPS

The University offers a number of scholarships to exceptionally well-qualified students. The student must take a minimum of twelve (12) semester hours to qualify as a full-time student and to be eligible for a scholarship. All scholarships are available for the regular academic year to qualified students, but not for the Summer terms, for a maximum of ten (10) semesters. Grade point average requirements for all scholarships are monitored by the Financial Aid Committee. Unless otherwise stipulated, the basic academic requirements for any of these scholarships is a 2.0 GPA. Applications received will be reviewed on a "first come" basis. Application must be made to the Office of Financial Aid not later than the last day of late registration in the Fall semester. No student, excluding Scholars 100 recipients, may be awarded in excess of \$3,500 per

year in institutional, academic, and department scholarships.

ACADEMIC SCHOLARSHIPS

SCALARARS 100

High school graduates who are Valedictorian, Salutatorian or graduate with a 4.0 GPA from their high school may apply for one of ten 100% Tuition Scholarships that the University makes available to incoming freshmen regardless of high school graduation date. 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. The scholarship is renewable for the full four years, provided a 3.75 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

TOP FIVE ACADEMIC

Students who graduate in the top 5% of their high school class may qualify for a 50% tuition scholarship regardless of high school graduation date. 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. The scholarship is renewable for the full four years, provided a 3.50 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

TOP TEN ACADEMIC

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 more than 12 hours of 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. The scholarship is renewable for the full four years, provided a 3.25 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

TRANSFER HONORS SCHOLARSHIPS

Transfer students who have earned at least 24 semester hours of transferable, college level credit with a cumulative GPA of 3.5 or better for all work attempted may qualify for Student Honors scholarships. This scholarship will also be awarded to students who have earned fewer than 24 credits if they ranked in the top 10% of their high school class and have a GPA of 3.5 or better for all college level work attempted. To renew the scholarship, the student must maintain a Grand Canyon GPA of at least 3.25, file a renewal application before priority deadline, and maintain full-time status. The Grand Canyon GPA is figured only on work attempted at the University; transfer work is not included. Students who drop a semester and take more than 12 credit hours at another institution must requalify for the scholarship.

GRAND CANYON UNIVERSITY HONORS SCHOLARSHIP

Any continuing Grand Canyon University student who has earned at least 24 semester credit hours with a cumulative GPA of 3.5 or better for all work attempted at Grand Canyon University may

apply for an Honors Scholarship. To renew the scholarship, the student must maintain a Grand Canyon University GPA of at least 3.25, file a renewal application before the priority deadline, and maintain full-time enrollment status.

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 or Office of Financial Aid), 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 may be assigned to serve as a fellow to a faculty member.

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 impinge.

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, AND GRANTS-IN-AID

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 2.0 GPA and be enrolled for full-time studies. Additional requirements may be placed on the student by the college/department awarding the scholarship.

A limited number of basketball, baseball, golf, soccer, volleyball, cross-country, and tennis grants-in-aid are made available. Funding is determined by the NCAA regulations and institutional policy. For further information, the students should contact the athletic coach in the area of his or her interest.

ENDOWED SCHOLARSHIPS

Listed here are scholarships that many alumni and friends of Grand Canyon University have endowed or have made commitments to

annually fund for specific areas of study. The Office of Financial Aid coordinates the awarding of the scholarships. 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 2.0 GPA. (The University has other endowed scholarships that have not attained the \$10,000 level presently required by Board policy for inclusion in the catalog.)

The Tribute Fund

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
Business Student Achievement Fund
Vera Butler Scholarship
Cook/Bishop Memorial Presidential Grant
G. D. Crow Memorial Scholarship
Hilton Jones Crow Scholarship
Keith and Mary Sue Davis Scholarship
Glenn Eason Educational Scholarship
Evans-Griffin Scholarship
David H. Eaton Scholarship
Wesley and Lola Freeburg Scholarship Fund
Jim and Claire Goins Living Memorial
Ernest E. and Linnie Ann Hatcher Memorial Scholarship
Louis Willard and Katheryn Opal Hardcastle Scholarship
S. F. and Jewel Hawkins Memorial Scholarship
Mrs. W. C. Henderson ACTEEN Scholarship Fund
Hine Memorial Scholarship
William R. Hintze Alumni Scholarship Endowment
William R. Hintze Memorial Presidential Grant
Richard A. Jackson Scholarship
Tom S. Kent Family Scholarship Fund
Paul and Esther McCarty Scholarship
Mary McDowell Living Memorial Scholarship
McFarland Scholarship
Fannie Mae Meredith Scholarship
Karl S. Nelson Memorial Scholarship Fund
Lowell B. Parker Ministerial Scholarship Fund
Carl Paetz Memorial Scholarship
Crystle Paetz Nursing Scholarship
Joyce Daily Parker ASTD Award
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
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
Anna S. Weeks Scholarship
John B. Will and Fred and Norma Pfeiffer Scholarship
I. B. and Opal Williams Hispanic Scholarship
Helen Youngs Memorial Fund

GRANTS FROM PRIVATE BUSINESSES, FOUNDATIONS, AND ORGANIZATIONS

Dougherty Foundation Loan/Grant
Farmers Insurance Group of Companies Scholarship

First Interstate Bank of Arizona, N.A.
Howard Relfe Memorial Scholarship
Dorothea Van Deusan Opdyke Scholarship

ROTC SCHOLARSHIPS

Air Force and Army ROTC scholarships are available to Grand Canyon University students. Each scholarship provides full tuition as well as an allowance for fees, and curriculum required textbooks. In addition, students 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.

ARIZONA SOUTHERN BAPTIST CONVENTION, CHURCH-RELATED VOCATIONS SCHOLARSHIPS

Those eligible to apply are Grand Canyon University students pursuing church-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 church-related vocational ministry 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 Arizona Southern Baptist Convention, located at 4520 North Central Avenue, Phoenix, Arizona 85012. Applications must be submitted before July 1 for the Fall semester and January 1 for the Spring semester.

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.

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. All other financial aid awarded will be in addition to the Pell Grant. The maximum Pell Grant eligibility for each student is not more than one-half the total 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 (Basic) Grant must make satisfactory progress to receive this award. Students may apply for this grant by using SINGLEFILE, FFS or FAF form, or by obtaining a Pell (Basic) Grant application from the Office of Financial Aid. Applications must be submitted annually. Upon receipt of the Student Aid Report (SAR), all three copies must be mailed to the Office of Financial Aid for further processing.

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, or one-half the student need, but not exceed \$4,000 per year. The application procedure is described under the "Financial Aid Application Process" section.

STATE STUDENT INCENTIVE GRANT (SSIG)

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 from \$100 to \$2,500 per year. The SSIG 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. Only students who make a poor educational and/or occupational choice or effort will find the burden of repayment a hardship.

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

The NDSL provides long-term loans for U. S. citizens and permanent residents. The amounts awarded vary, depending on financial need. No interest is charged, nor is repayment required, while the borrower is enrolled in at least one-half of the normal academic load. Payments begin nine months after the borrower ceases to be enrolled less than half-time (6 credit hours), at an interest rate of 5%. Loan repayment must be completed within a 10-year period at a minimum repayment rate of \$30 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 a Family Financial Statement (FFS) with SINGLEFILE or a Financial Aid Form (FAF) with the College Scholarship Service.

STAFFORD/GUARANTEED STUDENT LOAN PROGRAM (GSL)

These loans are secured from an off-campus lending agency such as a credit union, savings and loan association, or insurance agency. An undergraduate student may borrow up to \$2,625 for each of the first two years of undergraduate study, and \$4,000 for each of the remaining two years of undergraduate study, up to an

aggregate maximum of \$17,250. Also, a graduate student may borrow up to \$7,500 per year to an aggregate maximum of \$55,750 which will include any loans made at the undergraduate level. The current interest rate is 8% while in school and through the fourth year of repayment; 10% for the fifth year and beyond with a 5.0% loan origination fee. Repayment begins six months after the borrower ceases to be enrolled at least half-time (6 credit hours) with monthly payments of not less than \$50. The student must be making satisfactory academic progress in a degree-granting course of study, and enrolled for at least one-half of the normal academic course load. Applications are available from either the lender or the Office of Financial Aid.

To be considered for this loan, a student must file a Family Financial Statement (FFS) with the American College Testing or a Financial Aid Form (FAF) with the College Scholarship Service, or a SINGLEFILE Form with the United Student Aid Fund. See following for disbursement of the student loan.

SUPPLEMENTAL LOANS FOR STUDENTS (SLS)

SLS are loans for students which provide additional funds for educational expenses and, like the Stafford/GSL, are made by a lender such as a bank, credit union, or savings and loan association. The SLS allows graduate students and independent undergraduates to borrow up to \$4,000 per year, to a total aggregate maximum of \$20,000. The SLS is in addition to the GSL limits. The interest rate on loans as of June 1, 1990 is set at 11.49%. This rate may vary from year to year. Call the Office of Financial Aid to obtain current interest rate. SLS borrowers must begin repaying interest within 60 days after the loan is disbursed, unless the lender agrees to let the interest accumulate until the deferment ends. Before the SLS 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. To be considered for this loan, a student must file a Family Financial Statement (FFS) with the American College Testing or a Financial Aid Form (FAF) with the College Scholarship Service, or a SINGLEFILE Form with the United Student Aid Fund.

DISBURSEMENT OF STUDENT LOANS

The U. S. Department of Education requires that there be multiple disbursements of Stafford and SLS 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 STAFFORD AND SLS LOAN TO FIRST YEAR STUDENTS

The U. S. Department of Education requires that the school may not deliver the first installment of an SLS or Stafford 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 SLS or Stafford disbursement not yet delivered to the student which exceed 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.

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 \$4,000 per year, to a total of \$20,000, for each child who is enrolled at least half-time (6 credit hours) and is a dependent student. The interest rate on loans as of June 1, 1990 is set at 11.49%. This rate may vary from year to year. Call the Office of Financial Aid to obtain the current interest rate. PLUS borrowers must begin repaying interest within 60 days after the loan is disbursed, unless the lender agrees to let the interest accumulate until the deferment ends. 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. To be considered for this loan, a student must file a Family Financial Statement (FFS) with the American College Testing or a Financial Aid Form (FAF) with the College Scholarship Service, or a SINGLEFILE Form with United Student Aid Fund. Disbursement of the PLUS loan is directly to the parent by the lender.

EMPLOYMENT

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

COLLEGE WORK-STUDY PROGRAM (CWS)

This program provides part-time employment for U. S. citizens and permanent residents who are at least half-time (6 credit hours) students and have demonstrated financial need on the SINGLEFILE, FAF, or FFS. The maximum amount a recipient can earn under this program is determined through an evaluation of the SINGLEFILE, FFS, or FAF. General wage policies are established by the University within the guidelines established by the U. S. Department of Education. Work-Study students are not eligible for fringe benefits such as holiday, vacation, or sick pay and are paid on an hourly basis. The application procedure is described under the "Financial Aid Application Process" section.

JOB LOCATION AND DEVELOPMENT PROGRAM (JLD)

Designed to develop off-campus jobs for students.

STUDENT EMPLOYMENT SERVICES

Every effort is made to assist students in obtaining part-time employment. Under ordinary circumstances, a student who plans to work should have enough money in advance for the first semester.

Numerous jobs are available for both men and women students. Campus jobs include the following: secretaries, switchboard operators, custodians, cafeteria helpers, laboratory assistants, lawn maintenance workers, building maintenance personnel, library assistants, accompanists for the College of Performing Arts, and residence hall assistants. Grand Canyon University participates in the Work-Study Program. Eligible persons interested in such employment should contact the Student Employment Office (*Note: College Work-Study is a federal need-based aid program and eligibility is determined by the Office of Financial Aid.*)

In addition to campus employment, a variety of off-campus jobs are available. Student Employment Services assists in finding these jobs for any student enrolled in Grand Canyon University. There is no fee for using the part-time off-campus employment service.

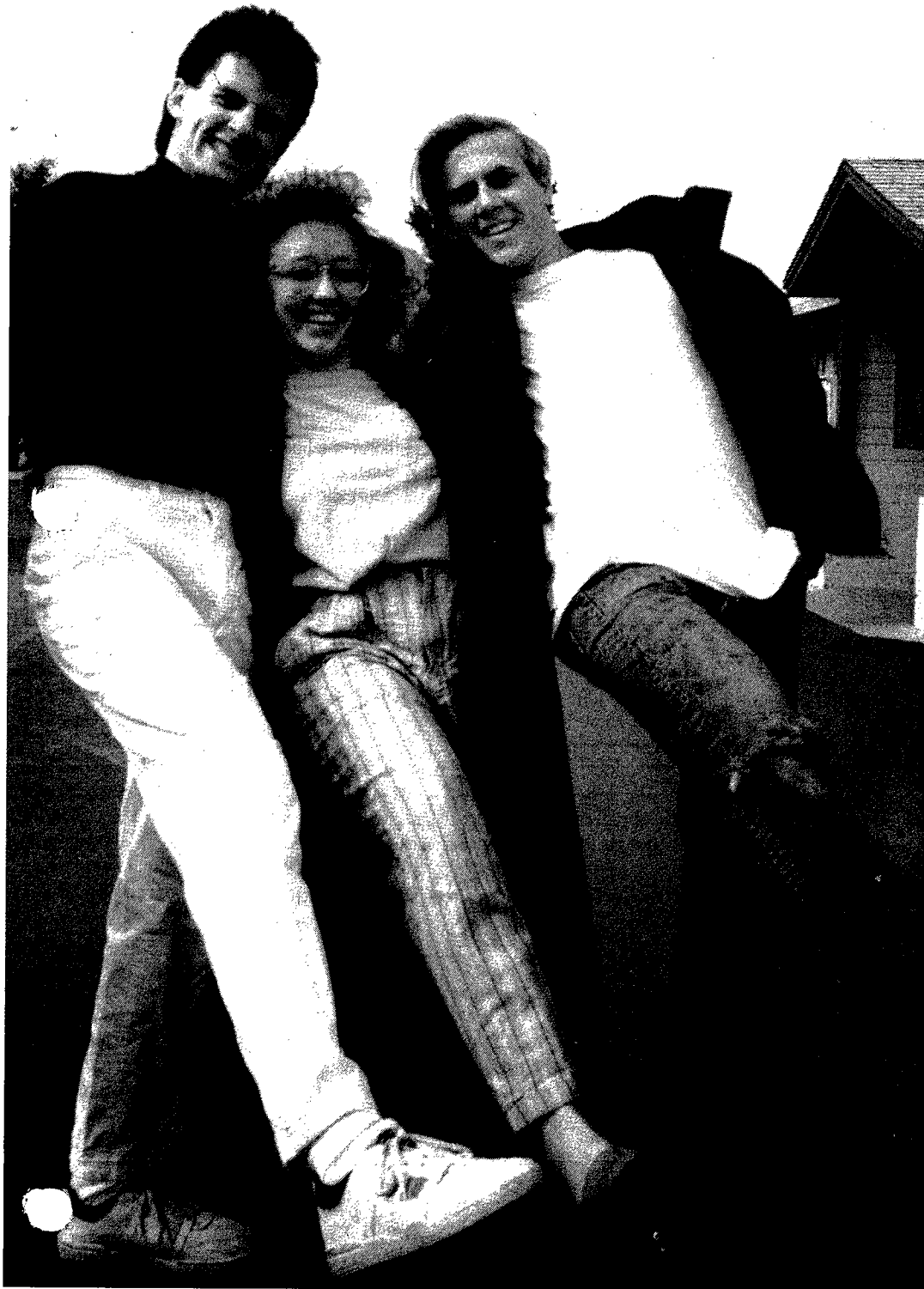
PLACEMENT SERVICES

Education Placement Services are available through the College of Education. This office serves people who have completed the Teacher Education Program at 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 Life



Statement of Principles

Activities

Chapel Attendance

Conduct

Counseling

Disabled Student
Building/Housing Access

Eligibility for Activities

Employment Services

Food Services

Health Services and
Health Records

Honors and Special
Recognition

Housing Services

Intercollegiate Athletics

Organizations

Religious Life

Student Clubs

Student Dress

Student Publications

Traditional Events

Tutoring

STATEMENT OF PRINCIPLES

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

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

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

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

In anticipation of a continuing commitment to the general purpose and specific objectives of Grand Canyon University as stated elsewhere in the catalog and to the spirit of the University which has prevailed since its founding, the student body, the faculty, the administration and staff, and the board of trustees affirm their dedication to fostering those activities which will aid in fulfilling the special responsibilities and commitments of Grand Canyon University and further pledge themselves to discourage and, if necessary, prohibit activities which might interfere with the fulfillment of the ideas and programs of the University.

ACTIVITIES

INTRAMURAL ATHLETICS

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

DRAMA AND SPEECH ACTIVITIES

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

MUSICAL PROGRAMS

Students from the entire University combine with music majors and minors in performing in choirs, wind ensembles, jazz, chamber ensembles and orchestra, handbells, guitar ensemble, and opera and Broadway musicals each year.

The University Choir and the University Singers are non-auditioned ensembles 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 Performing Arts.

CHAPEL ATTENDANCE

Chapel provides an opportunity for the University community to share together in meaningful spiritual, cultural, and intellectual programs. Chapel meets on Monday and Wednesday at 10:40 a.m. and at other scheduled times. All students taking nine or more hours are required to attend a minimum of twenty chapel programs per semester. Chapel attendances are cumulative and must be completed before a diploma is issued. Exception to this requirement is made for students enrolled in evening classes only. Students in off-campus internships or student teaching may be granted exemptions at the request of their supervisor.

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 privacy 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 assumes that he or she accepts responsibility for honorable adherence to these standards, both on and off campus, while a student at the University.

All students should familiarize themselves with rules and discipline procedures stated in the Student Handbook/University Calendar. 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.

COUNSELING

A counseling center is housed in the Office of Student Affairs. Personal counseling is available to all students, faculty, and staff. Non-students may receive counseling by paying a fee and/or using their medical insurance. In addition, students who need counseling beyond the capacity of the University staff may be referred to a certified counseling service in the community. The Office of Student Affairs arranges counseling and referrals.

DISABLED STUDENT BUILDING/HOUSING ACCESS

All facilities are accessible for wheelchairs and/or have other special equipment for disabled students with the following exceptions:

- Fleming Library, a two-story building, is accessible to wheelchairs at the ground level only. The second story is accessible by stairs only.
- Thompson apartments, a three-story complex, are accessible to wheelchairs at the ground level only. Second and third stories are accessible by stairs only.
- Bright Angel Residence Hall/Kaibab Residence Hall, both two-story buildings, are accessible to wheelchairs at the ground level only. Second stories are accessible by stairs only.

The requirements for admission to Grand Canyon University are the same for the individual with a disability as they are for the non-disabled individual.

Prospective students who are disabled are encouraged to write or call the Office of Admissions, 3300 West Camelback Road, Post Office Box 11097, Phoenix, Arizona 85061-1097, (602) 589-2855, in conjunction with the application process. All student inquiries made will be on a confidential basis, in an effort to meet the individual applicant's needs. This is a voluntary action by the University. Decision by the applicant not to provide such information will have no bearing on the applicant's admission of treatment at Grand Canyon University.

Our campus seeks services and programs to expand opportunities for disabled students to participate fully in the educational process and broader campus life.

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. A student who is on the most recent unsatisfactory grade list, however, must secure, from the sponsor of a given activity, permission to participate.

EMPLOYMENT SERVICES

The University maintains a placement office which assists students in securing on-campus and off-campus employment while in school and positions in the business and professional community after graduation. See page 20 for further information about the service.

FOOD SERVICES

The University cafeteria provides well-balanced meals. Residents of the residence halls are required to buy meals through the University food service's meal plans. Others may buy meals on an individual basis or may purchase a meal plan. The cafeteria is closed when school is not officially in session (during the 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 third Summer term and the opening of the Fall semester).

Light lunches and refreshments are also available in the snack bar.

HEALTH SERVICES AND HEALTH RECORDS

The Health Center is an out-patient health facility. It is staffed by a registered nurse with a Bachelor of Nursing degree and a University physician who also has a private practice. Laboratory, x-ray, pharmacy and emergency room services are available off campus.

Visits to see the University physician at the Cooke Health Center are included in the student's general fee. If the student does not cancel his or her appointment 24 hours prior to the appointment, a cancellation fee will be billed to the student's account. Every student is personally responsible for all his or her medical costs.

All students living on campus (residence hall and apartment), all international students, and students participating in intercollegiate sports are required to carry accident/health insurance. Commuter students are encouraged to carry such insurance.

ALL STUDENTS MUST SUBMIT A HEALTH HISTORY FORM AS WELL AS CURRENT IMMUNIZATION DATES (MONTH AND YEAR) PRIOR TO REGISTRATION. Current immunizations 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 or 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. A student who withdraws from school may be required to furnish a medical release from his or her physician before being permitted to re-enter.

HONORS AND SPECIAL RECOGNITION

HONORS DAY

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

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

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 GPA of at least 3.9, with no more than 12 transferrable hours.

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.

Graduation with Honors — The requirements for graduation with honors are stated on page 40.

Honor Roll and Dean's List — At the close of each semester, the freshman and sophomore Honor Rolls and the Dean's List are calculated. Students carrying twelve (12) or more semester hours with a minimum of eight (8) semester hours of graded courses are

considered for these honors.

Freshmen students whose grade point average is 3.0 or above qualify for the Freshman Honor Roll.

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

Students whose grade point average is 3.5 or above qualify for the Dean's List.

Special audit privileges for honor students are described on page 41.

Who's Who in American Universities and Colleges — This honor recognizes, each year, approximately 15 Seniors with outstanding records of campus activities, citizenship, and promise of future success and usefulness in society. Nominees must have a cumulative and Grand Canyon GPA of at least 3.0 and have attended for two semesters as a full-time student. Selections are made by the faculty and student body.

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 3.0 ("B") grade point average must be attained by the recipient.

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

HOUSING SERVICES

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

All unmarried Freshman or Sophomore students who are under 20 years of age and who carry twelve (12) credit hours or more at Grand Canyon University, are required to live in residence housing. Freshmen are required to live in residence halls; 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.

Students who reside in a residence hall must purchase a meal plan option of either 21 meals per week or 14 meals per week.

Residence halls are closed during the Thanksgiving, Christmas, and Spring holidays. The residence halls may close during the summer if an insufficient number of students apply for residency.

Apartment style housing, furnished or unfurnished, can be rented by married students, and upper class students. Priority is given to married students, families and students with a Senior or Junior classification. Students who reside at the North Rim Student Housing Complex must carry at least six (6) credit hours in residence at Grand Canyon University. Roommate selections for the apartments are made by the student, not the University.

All utilities, including local telephone service and basic cable television service are included in the monthly rent amount.

Additional information regarding housing may be obtained by contacting the Director of Housing, Post Office Box 11097, Phoenix, Arizona 85061-1097.

INTERCOLLEGIATE ATHLETICS

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

The 1991-92 academic year is highlighted by the University's full time membership in the National Collegiate Athletic Association (NCAA). All sports compete at the NCAA Division II level with the exception of the baseball team, which competes at the NCAA Division I level. The University also offers baseball on the junior varsity level.

The men's basketball team is also a member of the Great Northwest Conference. Other conference members include Seattle Pacific University, Eastern Montana College, the University of Alaska-Anchorage, and the University of Alaska-Fairbanks.

The women's volleyball and basketball teams compete in the Continental Divide Conference. Other members are Eastern Montana College, the University of Alaska-Anchorage, and the University of Alaska-Fairbanks.

All other teams currently compete as independents at their respective levels.

Grants-in-aid are available in all sports. Special academic regulations apply to those interested in competing in intercollegiate athletics. Please contact the Athletic 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 also subject to drug-testing as outlined in the Intercollegiate Athletic Handbook. A copy of the guidelines relating to drug testing may be obtained by contacting the Intercollegiate Athletic Office.

The colors of Grand Canyon University are purple and white.

ORGANIZATIONS

STUDENT GOVERNMENT

The membership of the Associated Students of Grand Canyon University (ASGCU) includes all students registered for nine (9) or more semester hours for the current semester.

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

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

RELIGIOUS LIFE

Emphasis is placed not only upon the training of the body and the mind but also upon the development of moral and religious values. Chapel programs, in classroom discussions, and in every relationship where the occasion arises, it is in accord with the policy of the University that the value of Christian living be upheld. Students are encouraged to join local churches of their own faiths and to participate regularly. Various organizations provide opportunities for religious service and participation both on the campus and in the community.

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

STUDENT CLUBS

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

STUDENT DRESS

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

STUDENT PUBLICATIONS

CANYON ECHOES

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

CANYON TRAILS

This is the University yearbook, published by a student staff.

SHADOWS

This is a literary journal containing short stories, verses, essays, and critiques contributed by the students of the University.

TRADITIONAL EVENTS

- All-School Welcome Party
- Parents Orientation
- Harvest Festival
- Friends of the Library Book Reviews
- Hanging of the Green
- Spring Banquet
- Music Recitals
- Choir Concerts
- Varsity Dinner
- Spring Fling
- Senior Class Day

- Wind Ensemble Concerts
- Stage Band Concerts
- President's Reception for New Students and Faculty
- State B.S.U. Convention
- Founders' Day
- Spiritual Emphasis Weeks
- Ethington Theatre Series
- Thanksgiving Dinner
 - for Arizona Baptist Childrens Home
- Children's Christmas Party
- Ethington Chamber Music Series
- Keeping in Touch Education Workshop
- Homecoming
- Honors Day
- Grand Canyon Chorale Tour
- State B.S.U. Spring Retreat
- Junior-Senior Banquet

TUTORING

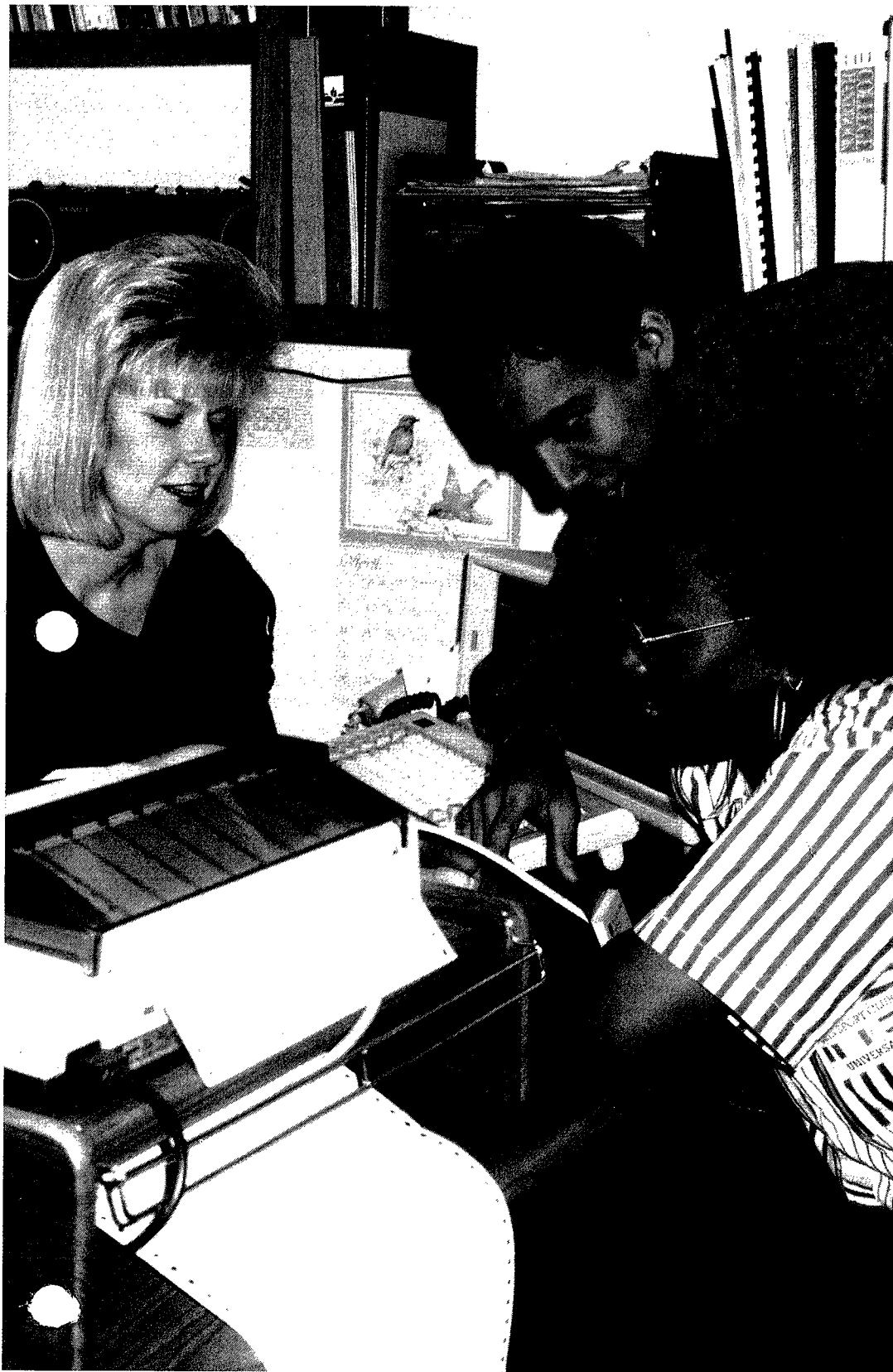
In an effort to offer academic support to any student attending Grand Canyon University, the services of trained tutors are made available. The tutors, besides having strong skills in their particular academic disciplines, are also trained in test-taking techniques, study skills, time management and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







Admission Policies and Procedures



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Program

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Direct Transfer Plan

Admission of Second
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Admission of Fifth Year
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Admission of
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Admission of
International Students

Admission of
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GENERAL STATEMENT

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

For information and application forms, contact:

Office of Admissions
Grand Canyon University
3300 West Camelback Road
Phoenix, AZ 85017-1097
(602) 589-2855, (602) 249-3300, or 1-800-800-9776
Office hours: 8:00 a.m. to 5:00 p.m. (MST)
Monday through Friday
Summer hours may vary. Please call the Office of Admissions for times.

CAMPUS VISITS

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

ORIENTATION

Orientation programs for new students accepted for admission to the University are conducted immediately prior to the Fall and Spring semesters. In addition, a Parent's Orientation program is held at the beginning of the Fall semester each year. New students are strongly encouraged to participate in New Student Orientation; detailed information regarding dates, times, and program is usually sent out by the Student Affairs Office in advance.

UNDERGRADUATE ADMISSIONS

GENERAL INFORMATION

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

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

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

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

1. **Early Admissions Program:** exceptional students who wish to begin college courses while still in high school.
2. **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.
3. **Second Degree:** individuals who have completed a Bachelor's degree at a regionally accredited institution and want to pursue another degree at Grand Canyon University.
4. **Fifth Year:** students who have completed a Bachelor's degree at a regionally accredited institution and seek teacher certification through the Grand Canyon University College of Education.
5. **Unclassified:** non-degree-bound students planning to enroll in courses for personal enrichment or to meet other specific needs.

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

EARLY ADMISSIONS PROGRAM

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

Interested students should request an Admission application form from the Office of Admissions. The application must be accompanied by a letter from the principal or counselor and returned to the Office of Admissions along with an official copy of the student's high school transcript.

APPLICATION PROCEDURES: NEW FRESHMEN AND TRANSFER STUDENTS

In order to be considered for admission as a freshman or transfer

student, you will need to submit:

1. A completed and signed Application for Admission;
2. A non-refundable application processing fee;
3. A transcript(s) and/or GED scores;
4. American College Test (ACT) or Scholastic Aptitude Test (SAT) scores.

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

5. A Health History Form;
6. Enrollment Deposit.

Application/Fee: 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. The processing fee should accompany your application. (See page 13 for fee amount.)

Transcripts: 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 school envelope.

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

Although applicants may be 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 college, 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 academic 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.**

ACT/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 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.

If you have completed at least 24 semester hours of acceptable credit or if you have been out of high school for five or more years, you need not submit ACT or SAT scores. However, **if you plan to participate in varsity athletics your ACT or SAT scores must be on file in the Office of Admissions.**

Student Health History Form: If you are accepted for admission to Grand Canyon University, you must complete a Health History form, including your immunization history, and return it to the Office of Admissions at least two weeks prior to registering for classes. Students who major in nursing, international students, and students who participate in intercollegiate sports must have their physician complete the physical examination of the Health History form before returning it.

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.

Student Health History forms are available from the Office of Admissions and the University Health Center.

Enrollment Deposit: Upon written notice of acceptance to Grand Canyon University, you must submit an enrollment deposit that will be applied towards the cost of the first semester. This deposit must be submitted to the Office of Admissions within 30 days after receipt of your letter of acceptance.

This Enrollment Deposit is fully refundable if cancelled in writing prior to cancellation deadlines as follows:

Fall August 1
Spring December 1
Summer April 1

ADMISSIONS STANDARDS: NEW FRESHMEN AND TRANSFER STUDENTS

To be considered for admission to the University, as a high school student you must:

1. rank in the upper half of your class, or
2. have a grade point average for all academic subjects of at least 2.5 on a 4.0 scale, or
3. score at or above the 50th percentile nationally on the ACT (composite of 21) or the SAT (combined verbal and math scores of approximately 900-930).

As a transfer student, you should have at least 24 semester hours of transferable credit in academic subjects with a cumulative grade point average of at least 2.0 on a 4.0 scale. Transfer students with fewer than 24 acceptable credits will be evaluated for admission on the basis of both their high school and college records.

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.

If you do not qualify for admission under the above standards, but strongly desire to continue your education at Grand Canyon University, you may be considered for conditional admission to the University. In addition to the items listed under "Application

Procedures, " you may be asked to submit personal references, an essay, or a letter explaining your academic history, or to schedule an interview with one of the Admissions staff. After reviewing your application and academic records, we will request whatever additional information we need to help us make an informed admission decision. Your application will then be reviewed by an Admissions Committee made up of several University faculty and staff members, and you will be notified of their decision as soon as possible.

If you are accepted for conditional admission, you may be required to limit your first semester's enrollment to twelve hours and to take certain courses designed to better prepare you for college-level work. After you have completed one full-time semester at Grand Canyon, your record will be reviewed. If you have earned at least twelve hours and achieved a grade point average of 2.0 or better, the restrictions on your enrollment will be removed. If not, you may either be continued on probation or asked to withdraw from the University if it appears to be in your best interest to do so.

HONORS PROGRAM

Each year, a select group of entering students, usually new freshmen, are invited to participate in the University Honors Program. General criteria for selection include high school class rank in the top ten percent and ACT or SAT scores at or above the 85th percentile nationally. More specific information and honors course descriptions can be found under the Department of English and Modern Languages in the College of Arts and Sciences portion of the Catalog.

SPECIAL PROGRAMS FOR ADVANCED PLACEMENT AND CREDIT

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. Credit is also awarded for ACT or SAT scores at or above the 97th percentile nationally. 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, AP, ACT, and SAT 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. **ACT, SAT, 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.

ADVANCED PLACEMENT

Exam	Score	Credit Hours
American History	5 4 1-3	6 (HIS 103/104) 3 (HIS elective) None
Biology	4-5 3 + dept. conference 1-2	8 (BIO 181/182) 4 (BIO 181/182) None
Chemistry	4-5 3 + dept. conference 1-2	8 (CHM 113/115) 4 (CHM 113/115) None
Computer Science AB	4-5 3 1-2	6 (CSC 100/101) 3 (CSC 100) None
Computer Science A	4-5 1-3	3 (CSC 100) None
English Language, Literature/Composition	4-5 3 + pass Writing Exam 1-2	6 (ENG 101/102) 0 (ENG 101/102 waived) None
Western Civilization	5 4 1-3	6 (HIS 101/102) 3 (HIS elective) None
Mathematics AB (Calculus)	4-5 3 + dept. conference 1-2	8 (MAT 270/271) 4 (possible lower div. MAT credit) None
Mathematics BC	4-5 3 + dept. conference 1-2	12 (MAT 270/271/272) 4-8 (possible lower div. MAT credit) None
American Government	5 1-4	3 (POS 252) None
Physics	4-5 3 1-2	8 (PHY 111/112) 4 (PHY 111 or 112) None
Spanish Language	4-5 + dept. conference 3 + dept. conference 1-2	11-14 (SPA 101/102/201) Possible lower div. SPA credit None

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

General Examination Score Credit Hrs. Equivalency

English Composition (1978 scale)	610	6	ENG 101/102
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Subject Examination	Score	Credit Hrs.	Equivalency
English Composition (1984-1990)	500	6	ENG 101/102
Humanities	500	6	Humanities elective
Mathematics	500	6	MAT elective
Natural Sciences	500	6	Science elective
Social Science	500	6	Social Science elective
American Government	50+	2	POS 252
American Literature	—	0	No credit
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 Spanish	42-51 52-80	8 14	SPA 101/102 SPA 101/102/201/202
Educational Psychology	—	0	None
English Literature	—	0	None
General Biology	50+	8	BIO 181/182
General Chemistry	50+	8	CHM 113/115
General Psychology	50+	3	PSY 101
History I	50+	3	HIS 103
History II	50+	3	HIS 104
Human Growth and Development	50+	3	PSY 341
Intro to Accounting	50+	6	ACC 211/212
Intro to Business Law I	50+	3	BUS elective
Intro to Macroeconomics	50-59 60+	3 3	Lower division ECN credit ECN 111
Intro to Management	—	0	None
Intro to Marketing	50+	3	MKT elective

Subject Examination	Score	Credit Hrs.	Equivalency
Intro to Microeconomics	50-56 57+	3 3	Lower division ECN credit ECN 112
Sociology	50+	3	SOC 101
Trigonometry	50+	2	MAT elective
Western Civilization I	50+	3	HIS 321
Western Civilization II	50+	3	HIS 102

EVALUATION OF TRANSFER CREDIT

All transfer students accepted to Grand Canyon University will receive an official transfer credit evaluation from the Office of Admissions 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 Admissions staff are 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 in which credit is desired. The evaluation may be adjusted upon receipt of written instructions signed by the department chairperson.

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 requirement, or as a prerequisite for another course with the approval of the instructor concerned. However, no course with a grade below "C" will count toward the required number of hours for graduation.
- The University will recognize a maximum of 64 hours credit from regionally accredited community or junior colleges. Credit will be granted only for courses with grades of "C" or better, and all credit will be considered lower division. See the section entitled "Direct Transfer Plan" for additional information regarding the acceptability of Associate degrees earned at community colleges.
- Credit earned at colleges and universities which are not regionally accredited will be evaluated on a course-by-course basis. Credit will be granted only with the approval of the faculty in the department to which credit is assigned. Only courses with grades of "C" or better will be considered for transfer, and any credit awarded will be

considered lower division. It is the student's responsibility to provide adequate documentation (course syllabi, college catalogs, etc.) to support his or her request for credit. A maximum of 64 semester hours may be awarded, and no credit will be awarded for unaccredited work done after the student has earned 64 or more hours of college-level credit.

- 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 credit granted for work done at unaccredited institutions.

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 the Registrar.

DIRECT TRANSFER PLAN

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

Exceptions to the Direct Transfer Plan are as follows:

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

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

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

Only the Associate of Arts programs specifically designed to prepare students for transfer to a four-year college or university are accep-

table 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.

ADMISSION OF SECOND DEGREE STUDENTS

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

1. A completed and signed application for admission listing all institutions of higher education attended.
2. A non-refundable application fee, unless the student has previously applied to the University and paid the fee. (See pg. 13 for fee amount.)
3. An official transcript from the college or university where the student's first degree was earned, with the degree statement and graduation date recorded.

Applicants will be notified of their status upon receipt of the above items by the Office of Admissions.

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

ADMISSION OF FIFTH-YEAR STUDENTS

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

For further information regarding teacher certification and the fifth-year program, please refer to the "College of Education" section of the Catalog.

ADMISSION OF UNCLASSIFIED STUDENTS

Non-degree bound students who plan to enroll part-time at Grand Canyon University need only submit a completed and signed application and the non-refundable application fee. Unclassified part-time students may accumulate a total of 11 hours credit; at that point all records required for regular admission to the University must be submitted.

Non-degree bound students planning to enroll in 12 or more hours must submit all records required of new freshmen or transfer students (see pg. 29-30).

READMISSION

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

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 personal reasons must obtain a doctor's clearance before re-enrolling.

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

ADMISSION OF INTERNATIONAL STUDENTS

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:

Foreign Student Advisor
Office of Admissions
Grand Canyon University
3300 West Camelback Road
Phoenix, Arizona, U.S.A. 85017-1097

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

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

Fall semester (August) entry - July 15

Spring semester (January) entry — December 1.

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

2. Transcripts — You must have completed a secondary school program which is equivalent to the twelfth (12th) grade (high school) in the United States. In order to insure your success in academic classes at Grand Canyon University, you should have graduated in the upper 50% of your class. An official transcript of your secondary school work, **written in English**, must be sent directly from the school to our Office of Admissions. Hand-carried copies of your transcript are not acceptable. The same procedure must be followed if you have any college or university work. 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 2.0 (C) on a 4.0 scale, you do not need to submit your secondary school transcript. In some cases, you may be asked to send your transcripts to a credentials evaluation service; you will be notified by the Office of Admissions if this is necessary.

3. TOEFL score report — If your native language is other than English, your official score report for the Test of English as a Foreign Language (TOEFL) must be sent directly to the Office of Admissions from the testing center. Since the University does not currently offer programs designed for students not proficient in written and spoken English, **you must present a TOEFL score of at least 500 to be considered for admission.** 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, before your Certificate of Eligibility (I-20) can be issued, you will need to submit the following to the Office of Admissions:

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 \$13,000.00 (U.S.) per year, or \$10,500.00 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.

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 \$1500.00 deposit which will be applied to your first semester's expenses. The deposit may be paid by check or money order, or you may telex the funds; the University's international bank number is VNB 88-6411. 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.

International students attending the University on student visas are required to be enrolled in at least twelve (12) hours per semester. All international students must carry health insurance; a moderately-priced student policy is available through the University Business Office. If you do not have proof of other insurance coverage, you will be required to purchase the University policy when you register for classes.

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
Phoenix, Arizona, U.S.A. 85017-1097

ADMISSION OF GRADUATE STUDENTS

Students wishing to apply for admission to the Master of Arts in Education (M.A.) or the Master of Education (M.Ed.) programs may

obtain all necessary information and application forms from:

College of Education
Grand Canyon University
3300 West Camelback Road
Phoenix, Arizona 85017-1097

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

1. Application for Admission — Application must be made for admission both to Grand Canyon University and to the graduate program. The University application should be submitted to the Office of Admissions along with the non-refundable application fee. The Graduate Program application should be submitted to the College of Education.

2. Transcripts — Two sets of 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 2.5 on a 4.0 scale. Transcripts must be sent directly from the school where credit was earned to the appropriate office at Grand Canyon University; unofficial transcripts or hand-carried copies (except those in sealed envelopes) are unacceptable.

3. References — Three completed recommendation forms must be sent directly to the College of Education by the individuals making the recommendations.

4. Basic Skills portion of the Arizona Teacher Proficiency Exam (ATPE) — Applicants must submit a score card showing satisfactory performance on the ATPE (80% or better in reading, mathematics, and grammar) to the College of Education. Applications for the ATPE are available from the College of Education.

5. Grand Canyon University Writing Proficiency Exam (WPE) — Information on the WPE is available from the College of Education. A passing score is required for admission to the M.Ed. program.

6. Interview — As soon as all the above steps have been completed, applicants should schedule a personal interview with the Assistant Dean for Graduate Studies in the College of Education.

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

1. Applications for Admissions — see M.Ed.

2. Transcripts — see M.Ed. In order to be considered for admission to the M.A. program, a student's cumulative GPA for all college work must be at least 2.8 on a 4.0 scale.

3. Recommendation from School Personnel — Applicants must submit their most recent teacher evaluation from the school district administrator.

4. References — Two additional completed recommendation forms which are available from the College of Education must be 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 3.0 or higher.

6. Interview — see M.Ed.

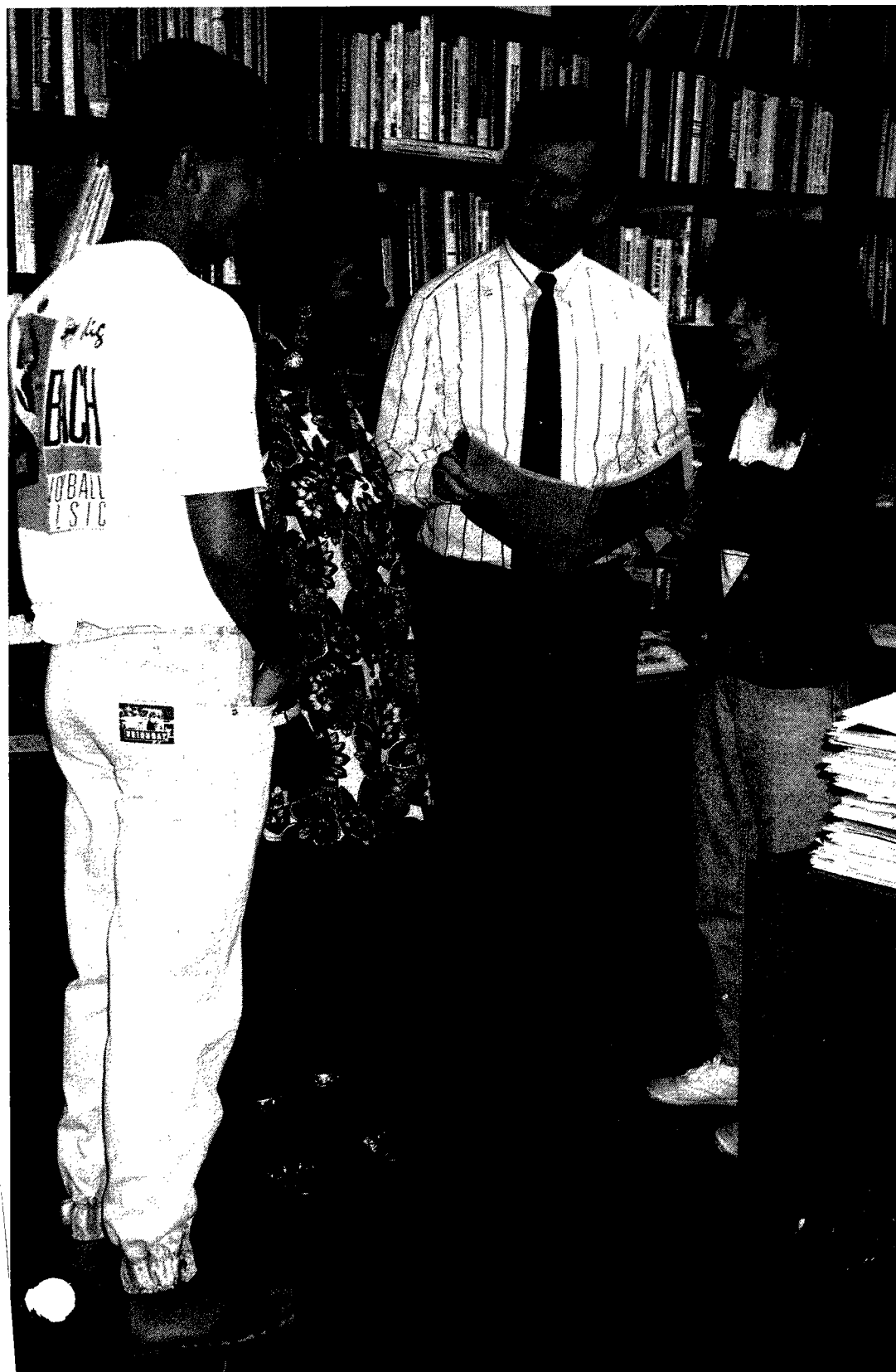
When the above process is complete, applicants will be scheduled by the College of Education Dean concerning their status.

At the time this catalog was prepared the University was awaiting approval from its accrediting body for a Master of Business Administration (M.B.A.) degree program in the College of Business. Interested students should contact the College of Business for further information.

*MBA

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General Academic Regulations



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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 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.

NOTE: The University has no right to change policies or procedures of another organization for which it is merely acting as an agent.

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 the Registrar, is a record showing the student's progress towards completion of general studies, and major/minor requirements. 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, composed of one three-week term and two terms of five weeks each, is operated on an accelerated schedule which is in accord with the semester hour principle.

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 absence, students must account to their instructors in the manner prescribed by their instructor, 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 2.0. (See pg. 45 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 pg. 48).

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

COMPREHENSIVE EXAMINATIONS

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

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

LIMITATIONS

1. Application for credit by examination must be made during the first year of enrollment at Grand Canyon University.
2. Credit applies only to catalog courses and only to those courses for which CLEP examinations are not available.
3. Credit will not be awarded for a course which is equivalent to, more elementary than, another course in which the student has enrolled or for which the student has already received credit.
4. A maximum of 30 hours credit by examination, extension, and correspondence may be applied toward a degree.

PROCEDURES

Students should:

1. Obtain an Application for Credit by Examination from the Office of the Registrar.
2. Pay the special examination fee in the Business Office and obtain their validation of payment.
3. Complete the necessary information and obtain all necessary signatures.
4. Present the validated application to the instructor who will be responsible to prepare the examination.
5. Obtain the instructor's signature and final grade.
6. Return the application to the Business Office and pay the fee for each hour of credit awarded.
7. Submit completed form to the Office of the Registrar for posting of credit earned.

Upon receipt of the validated grade, credit will be recorded on the student's permanent record. The instructor must forward a copy of the completed exam and score to the Office of the Registrar for

the student's file.

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

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 the Registrar, **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 the Registrar.

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 General Studies requirements also leads to poor performance in upper division courses that assume the general background gained from the General Studies 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.

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

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

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

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 the Registrar.** (See the schedule of refunds beginning on pg. 14)

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 minimum of 6 semester hours of credit courses during each of 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 semester.

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

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

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

The maximum course load normally allowed during a 5-week Summer term is six semester hours. If one course is a four-hour course, or if one hour of Physical Education or Applied Music is taken, the student may be permitted to take seven hours.

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

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

DROPPING COURSES

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

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

Instructions and forms for dropping courses are obtainable from the Office of the Registrar.

ORDER OF TAKING COURSES

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

The General Studies 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 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 the Registrar. 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, seminar, 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 3.0, 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), 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 2.0 GPA and may be taken any semester with approval of faculty advisor, dean/departments 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.

READING AND CONFERENCE

Any course listed in the catalog may be taken by reading and conference with the instructor, with approval of the dean/departments 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 2.0 is required.

PROCEDURES

Students should:

1. Obtain proper special study form from the Office of the Registrar (the Office of the Registrar 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.

The completed form with the Office of the Registrar 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 the Registrar. It is recommended that this procedure be completed prior to registration.

WITHDRAWING FROM COURSES

To withdraw officially from all courses a student must secure an official withdrawal form from the Office of the Registrar 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.

CORRESPONDENCE AND EXTENSION CREDIT

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

Credit for college-level seminary extension courses may be transferred to Grand Canyon University under certain conditions. Students planning eventual transfer of these courses should secure approval from the Chairperson of the Department of Christian Studies before the enrollment 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 the Registrar prior to enrollment in the final semester before graduation. Such work done at any time by a student while enrolled in Grand Canyon 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. However, a student who is on the most recent unsatisfactory grade list or on probation must secure, from the sponsor of a given activity, permission to participate.

Any student with probationary or conditional status is ineligible to hold office in any student organization until the deficiency is overcome.

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 (see pg. 13).

Under other conditions students may wish to take the exam earlier than it is scheduled. The instructor may refer students to the Vice President for Academic Affairs 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 2.0 for all courses attempted at Grand Canyon University. At least 45 hours must be upper division credit.

Candidates for a Master's degree must have a minimum grade point average of 3.0 for graduation.

The regulation concerning grades on college work taken elsewhere is given on pages 31-32.

Students must also have a "C" average (2.0 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 2.5 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 note this pg.)
- 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 pg. 36 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.

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 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.

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. 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 the Registrar, 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 the Registrar. Failure to follow these procedures will result in a grade of "F."**

STANDARDS OF ACADEMICS

ACADEMIC HONORS

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

Other honors related to academic achievement are described on page 23-24.

HONOR STUDENT AUDIT PRIVILEGES

An undergraduate student who qualifies for the Dean's List during any semester may audit one course within the next calendar year with no 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.

HONORS STUDY PROGRAM

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

An Honors Colloquium led by faculty and outside speakers, allows students to earn credit hours through attendance of local symphonies, plays, exhibits, and lectures. In addition, the Honors Thesis enlists faculty time in helping students involved in original research in their own disciplines.

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

ACADEMIC PROBATION

Undergraduate students whose cumulative grade point average on 12 or more hours attempted at Grand Canyon University drops below 2.0 are placed on academic probation.

Probationary status is removed when the undergraduate student earns a cumulative grade point average of 2.0 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 pg. 46).

Once admitted into the graduate field of study, a graduate student whose cumulative grade point average drops below 2.8 is placed on academic probation.

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

ACADEMIC SUSPENSION

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

- 1.50 for Freshmen and Sophomores
- 2.75 for Juniors
- 3.00 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 conditionally (see Conditional Status).

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 2.5.

A graduate student, admitted into the Master's program, should contact the College of Education for the procedure in appealing academic suspension.

(Note that the academic standards for receiving financial aid are stricter (higher) than the general academic standards in that they require a 2.0 GPA regardless of the student's year in school. See Financial Aid section of catalog.)

CONDITIONAL STATUS

Undergraduate transfer students admitted with less than a "C" average, or those reinstated after academic suspension, are admitted conditionally. Persons thus admitted retain probationary status until they have earned a cumulative grade point average of 2.0 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 education 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 the Registrar.

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

Questions concerning the Family Education Rights and Privacy Act may be referred to the Office of the Registrar.







Graduation Requirements



Graduation Requirements

Degrees Offered

Choice of Catalog

Curricular Requirements
for Graduation

Elective Courses

General Requirements
for Graduation

Commencement
Exercises

Academic Regalia

Attendance

Eligibility to
Participate

Grade Requirements
for Graduation

Correspondence and
Extension Credit

Graduation with Honors

Minimum Residence

Total Hours/Grade
Point Average

Major Grade
Point Average

Upper Division
Requirement

Writing Proficiency
Examination

University Success Program

General Studies

Bachelor Degree
Candidates
Suggested Program

Bachelor of
General Studies
Requirements

Special Condition

Major and Minor Subjects

Second Degree

Double Degree

GRADUATION REQUIREMENTS

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.

DEGREES OFFERED

The University offers curricula leading to the degrees of Master of Arts in Education, Master of Education, Bachelor of Arts, Bachelor of Music, Bachelor of Science, Bachelor of Science in Nursing, and Bachelor of General Studies. The University will offer a Master of Business Administration beginning in Fall, 1991. Check with the College of Business for information.

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

- Elementary Education
- Gifted Education
- Reading Education
- Teaching English as a Second Language
- Urban Education

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

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

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

- Art Education (No minor required)
- Christian Studies
- Communications
- Communications-Commercial Music
- English Literature
- English Teaching
- English Writing
- Graphic Design (No minor required)
- History
- Music Performance (Applied Music)
- Social Sciences
- Spanish
- Speech-Theatre
- Studio Art (No minor required)
- Theatre-Drama

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:

- Accounting (No minor required)
- Biology (Environmental)
- Biology (General)
- Biology (Secondary Teaching; No minor required)
- Business Education (No minor required)
- Chemistry
- Computer Science
- Computer Science (Secondary Teaching)
- Economics (No minor required)
- Elementary Education
- Finance (No minor required)
- Human Resource Development (No minor required)
- International Business (No minor required)
- Justice Studies
- Marketing (No minor required)
- Mathematics
- Mathematics (Engineering)
- Mathematics (Secondary Teaching)
- Music Education (No minor required)
- Physical Education
- Physical Education (Teaching)
- Psychology
- Science Teaching (No minor required)
- Social Studies
- Sociology
- Special Education

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

The **Certificate in Athletic Training** is granted to students completing athletic training requirements.

The **Bachelor of General 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 special fields of endeavor which do not require specific traditional degrees.

Liberal Arts majors not listed in the catalog may be arranged under the direction of the department concerned with the approval of the Vice President for Academic Affairs and the Curriculum Committee.

* CHOICE OF CATALOG

The Catalog is published every two years. 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 enroll-

ment is defined as enrollment in every Fall and Spring semester; enrollment in the Summer session is not relevant for purposes of catalog choice.

2. Student who has been readmitted after a period of nonattendance, or after attending an institution other than Grand Canyon University, 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. (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 the Registrar.

* The above policy regarding catalog choice supercedes the policy in previous catalogs.

CULAR 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) General Studies, (2) Major and Minor Subjects, and (3) Elective Courses.

ELECTIVE COURSES

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

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

GENERAL REQUIREMENTS FOR GRADUATION

Students who have earned at least 90 credit hours must file a Statement of Intent to Graduate form with the Office of the Registrar. Statement of Intent to Graduate forms may be obtained from the Office of the Registrar. A non-refundable graduation fee must be paid in the Business Office before returning the completed form to the Office of the Registrar. Once the completed Statement of Intent to Graduate has been filed in the Office of the Registrar, an official check of remaining degree requirements will be provided. An additional fee will be charged for any additional degree check necessitated by a student subsequently changing catalog or

curriculum.

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 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.

Eligibility to Participate in Commencement

Prospective graduates who have filed an Intent to Graduate form, completed all requirements for graduation, or who will do so by August are eligible to participate in the annual commencement in May.

GRADE REQUIREMENTS FOR GRADUATION

1. Undergraduate: To graduate at the end of a given semester, an undergraduate student must have a 2.0 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 3.0 grade point average (B) at the beginning of that semester. Graduate students **must** complete their entire program prior to being permitted to participate in commencement and any of the associated activities.

CORRESPONDENCE AND EXTENSION CREDIT

Record of all correspondence and extension work transferred from another institution must be filed with the Office of the Registrar prior to enrollment in the final semester before graduation. (See pg. 39 for additional information concerning correspondence and extension credit.)

GRADUATION WITH HONORS

The requirements for graduation with honors are stated on page 40.

MINIMUM RESIDENCE

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. Refer to the College of Education for specific requirements.

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. Refer to the College of Education for specific requirements.

TOTAL HOURS/GRADE POINT AVERAGE

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 total number of semester hours required for a baccalaureate degree is 128 with a minimum grade point average of 2.0, indicating an average of "C" on all coursework taken at Grand Canyon University. At least 45 hours must be Upper Division credit.

Undergraduate 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 2.0 (see pg. 36-37, Classification of Students).

MAJOR GRADE POINT AVERAGE

Undergraduate students must also have at least a "C" average (2.0) 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 in the Master of Arts in Education and Master of Education programs must maintain a 3.0 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.

WRITING PROFICIENCY EXAMINATION

The University believes that a college graduate should be able to write clear and correct expository prose. Students who expect to graduate from Grand Canyon University are required to pass a Writing Proficiency Examination. Examinees write short essays based on general subject matter. Members of the English faculty read the essays, then send the results to the Office of the Registrar. The various department faculties, in special circumstances, may make the final decision as to the student's competency in writing.

Undergraduate students who take freshman English elsewhere are required to take the examination during their first semester at the University. The examination may be taken twice; if a student fails

the examination the second time, he/she must register for ENG 100, Basic English, the following semester.

Graduate students in the Master of Arts in Education are exempted from taking the Writing Proficiency Examination. However, students in the Master of Education program must take, and pass, the Writing Proficiency Examination.

The examination is given during registration, monthly, and twice during the summer. Notices of the examination dates appear in various campus publications and the *Student Handbook/University Calendar*. Directions, suggestions and a sample essay are available from the office of the Writing Proficiency Examination Coordinator.

The fee for the Writing Proficiency Examination will be billed to the student's account in the University Business Office.

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.

Students in the program meet once a week for seminars, discussions and group activities. Students are assigned to small groups and matched with faculty/staff mentors and Lifesavers (student leaders). Mentors provide assistance in personal and academic issues. Lifesavers facilitate group activities and furnish peer counseling.

GENERAL STUDIES

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

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

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

For students seeking the B.A., B.G.S., B.M., B.S., or B.S.N. the courses below comprise the minimum requirement in General Studies. Students should refer to specific majors for any additional General Studies requirements.

Students in teacher education programs will follow the list in the College of Education section of this catalog. Consult departments/colleges for specific General Studies requirements.

CHRISTIAN STUDIES 6 hours

- BIB 101 Survey of the Old Testament
- or
- BIB 113 Old Testament History
- and
- BIB 102 Survey of the New Testament
- or
- BIB 123 New Testament History

ENGLISH 6 hours

- ENG 101 Grammar and Composition
- ENG 102 Composition and Literature

HUMANITIES 6 hours

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

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

SOCIAL SCIENCES 9 hours

At least 3 hours of History (Chosen from HIS 101, HIS 102, HIS 103, HIS 104); no more than 6 hours in one area.

- History
- Geography
- Political Science
- Macroeconomics
- Psychology
- Sociology

SCIENCES 10 hours

At least three hours from each group:

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

*** PHYSICAL EDUCATION** 2 hours

Must be two different activity courses.

* Upon written recommendation of a medical doctor and approval of the Department of Health and Physical Education and the Vice President for Academic Affairs, a three-hour course in physical education or health education may be substituted for the entire requirement in physical activity courses. Normally one of the following courses suffices: HLT 200, HLT 270, REC 213.

39 hours

SUGGESTED PROGRAM FOR BACHELOR DEGREE CANDIDATES

Following is a guide for an entering Freshman who has not yet decided on a major subject area. One may use this suggested program to assist in planning a course of study which will lead to a bachelor's degree in four years. Attention has been given to those courses which generally require a significant amount of outside reading so as not to overload a beginning student.

Students who have already decided on a major are directed to the catalog section for that department for the specific program of study for their selected major.

Freshman Year

	Fall	Spring
UNV 101 University Success	1	
BIB 101/113 OT Survey/OT History	3	
BIB 102/123 NT Survey/NT History		3
ENG 101, 102 Freshman English	3	3
* Humanities	3	
History		3
Math, Computer Science, Statistics		3
P.E. Activity		1
Electives	6	3
	16	16

Sophomore Year

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

Junior Year

	Fall	Spring
Major, Minor, Electives	16	16
	16	16

Senior Year

	Fall	Spring
Major, Minor, Electives	16	16
	16	16

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

REQUIREMENTS FOR THE BACHELOR OF GENERAL STUDIES DEGREE (B.G.S.)

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

GENERAL STUDIES

Courses listed on page 46-47	39 hours
Electives	89 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 department will be acceptable toward the degree. (BUS, ACC, ECN, and HRD are all in the same academic department.)

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

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

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

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

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 General 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 2.0 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+" (2.5) 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 page 44 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.

Transfer students should consult the paragraph concerning minimum residence (see pg. 45-46).

SECOND DEGREE

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

1. Meet the admission criteria for that degree.
2. File an intent to graduate form with the Office of the Registrar for the degree sought.
3. Meet all General Studies requirements, all degree requirements, and all other University requirements for the second degree.
4. A major in a field not used as a major for the previous degree. (See specific major for number of hours required.)
5. A minimum of 30 additional credit hours at Grand Canyon University (36 for those who have not met the 6 hour requirement in Bible) after the conferral of the previous baccalaureate degree(s).

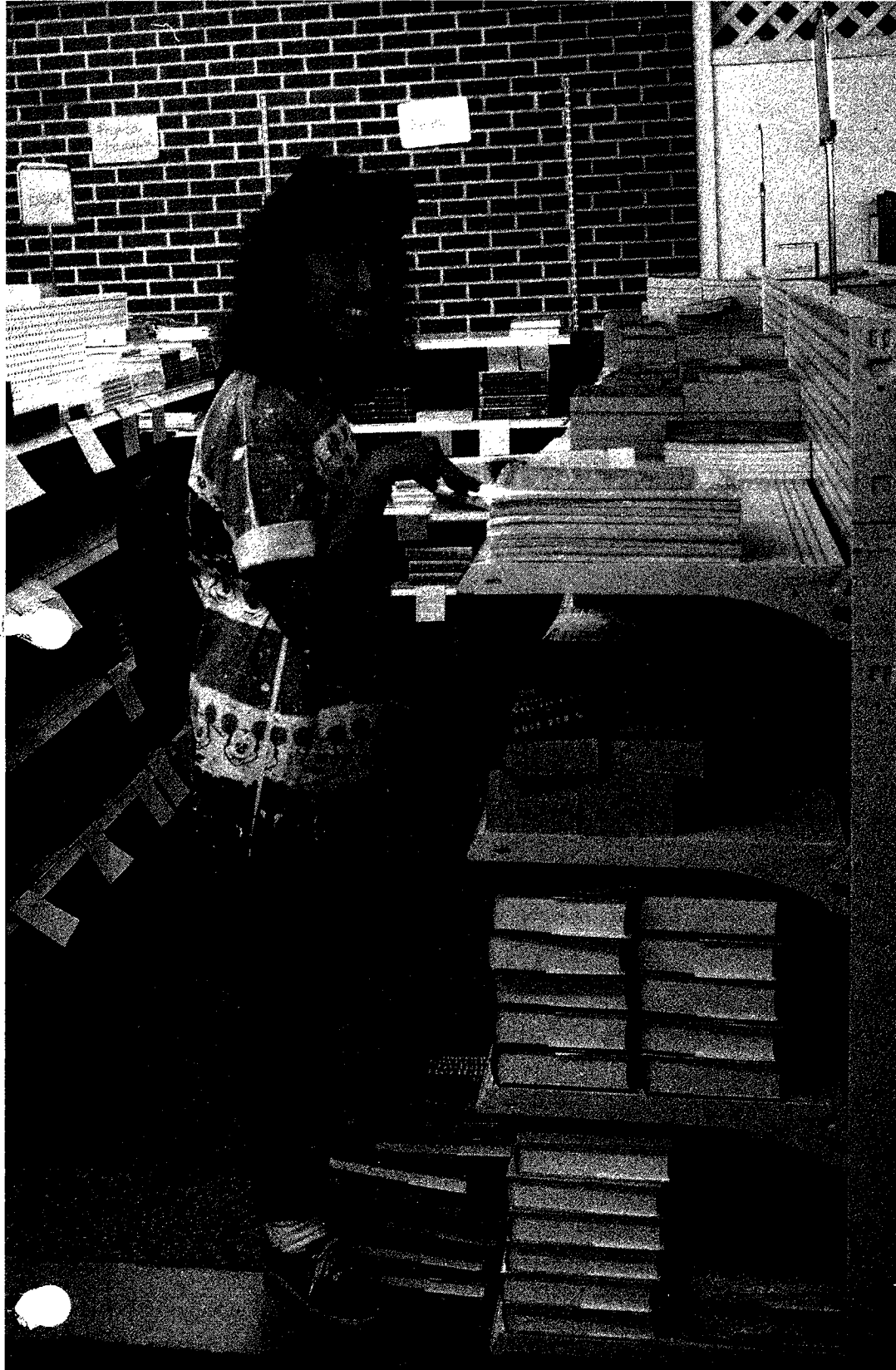
NOTE: Second Degree students do not qualify for honors at graduation.

DOUBLE DEGREE

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

1. File an Intent to Graduate form with the Office of the Registrar for each degree sought.
2. Meet the General Studies requirements, all degree requirements, and all other University requirements for each degree sought.
3. The two degrees must be different (i.e.: B.A. and B.S. or B.S. and B.S.N.).
4. 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).
5. Complete the requirements for both degrees before being granted either degree.

Departments of Instruction



College of Arts
and Sciences

Art

Christian Studies

Computer Sciences

English and Modern
Languages

Health and
Physical Education

History and
Social Sciences

Mathematics

Natural Sciences

College of Business

College of Education

College of Performing Arts

Samaritan College
of Nursing

Reserve Officers
Training Corps

Departments of Instruction

DEGREES AND MAJORS OFFERED

MASTER OF ARTS IN EDUCATION

Elementary Education
Gifted Education
Reading Education
Teaching English as a Second Language
Urban Education

MASTER OF EDUCATION

Elementary Education
Secondary Education

MASTER OF BUSINESS ADMINISTRATION

BACHELOR OF ARTS

Art Education (No minor required)
Christian Studies
Communications
Communications-Commercial Music
English Literature
English Teaching
English Writing
Graphic Design (No minor required)
History
Music Performance (Applied Music)
Social Sciences
Spanish
Speech-Theatre
Studio Art (No minor required)
Theatre-Drama

BACHELOR OF GENERAL STUDIES

General Studies (No minor required)

BACHELOR OF MUSIC

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

BACHELOR OF SCIENCE

Accounting (No minor required)
Biology (Environmental)
Biology (General)
Biology (Secondary Teaching; No minor required)
Business Education (No minor required)
Chemistry
Computer Science
Computer Science (Secondary Teaching)
Economics (No minor required)
Elementary Education

Finance (No minor required)
Human Resource Development (No minor required)
International Business (No minor required)
Justice Studies
Marketing (No minor required)
Mathematics
Mathematics (Engineering)
Mathematics (Secondary Teaching)
Music Education (No minor required)
Physical Education
Physical Education (Teaching)
Psychology
Science Teaching (No minor required)
Sociology
Special Education

BACHELOR OF SCIENCE IN NURSING

Nursing (No minor required)

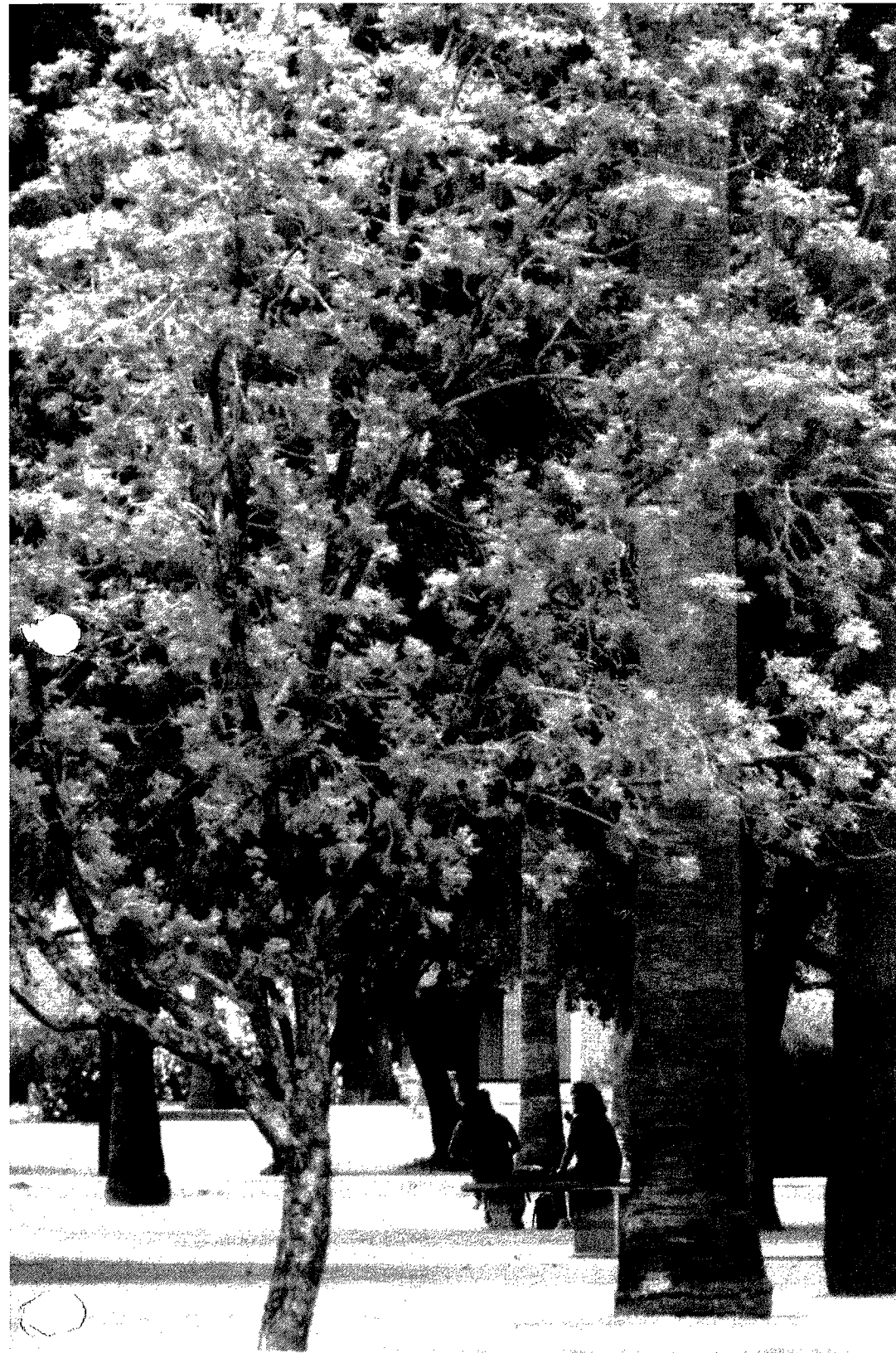
CERTIFICATE IN ATHLETIC TRAINING

(Not a Major or Minor)

MINORS OFFERED

Behavioral Sciences
Biology
Business
Chemistry
Christian Studies
Computer Science
Economics
English
Finance
French
German
Greek
Health Education
History
Humanities
Justice Studies
Martial Arts
Mathematics
Music
Music Education
Philosophy
Physical Education (Coaching)
Physics
Political Science
Psychology
Recreation
Social Sciences
Sociology
Spanish
Speech
Studio Art
Theatre

College of Arts and Sciences



Art

Christian Studies

Computer Science

English and Modern
Languages

Health and
Physical Education

History and
Social Sciences

Mathematics

Natural Sciences

The College of Arts and Sciences provides an essential balance between a broad education in the natural sciences, computer science, mathematics, physical education, social sciences, art, English, modern languages, and Christian studies, and a deeper specialization in one or more fields of knowledge. The interests of the college include the preservation, transmission, and expansion of knowledge in an environment where a Christian perspective is emphasized. At the core of these interests lies the intent of fostering continuous learning and freedom of inquiry, necessary ingredients for personal growth and for achievement in both the public and private sectors.

The interplay of quality teaching, research, and service is part of the mission of the college to provide an outstanding undergraduate education. The college has a commitment to undergraduate excellence in a variety of ways, including active participation in the Honors Program and comprehensive advisement services related to diverse career patterns or preparation for graduate education and a wide range of professional careers, such as law or medicine.

In addition to caring for its own majors, the college provides the foundations of learning in several core areas for the other undergraduate colleges. In more ways than one, the college stands at the heart of undergraduate education in the University.

Major Field Degree Department

Art Education		
	B.A.	Art
Biology (Environmental)		
	B.S.	Natural Sciences
Biology (General)		
	B.S.	Natural Sciences
Biology (Secondary Teaching)		
	B.S.	Natural Sciences
Chemistry		
	B.S.	Natural Sciences
Christian Studies		
	B.A.	Christian Studies
Computer Science		
	B.S.	Computer Science
Computer Science (Secondary Teaching)		
	B.S.	Computer Science
English Literature		
	B.A.	English and Modern Languages
English Teaching		
	B.A.	English and Modern Languages
English Writing		
	B.A.	English and Modern Languages
Graphic Design		
	B.A.	Art
History		
	B.A.	History and Social Sciences
Justice Studies		
	B.S.	History and Social Sciences
Mathematics		
	B.S.	Mathematics
Mathematics (Engineering)		
	B.S.	Mathematics
Mathematics (Secondary Teaching)		
	B.S.	Mathematics
Physical Education		
	B.S.	Health and Physical Education
Physical Education (Teaching)		
	B.S.	Health and Physical Education
Psychology		
	B.S.	History and Social Sciences
Science Teaching		
	B.S.	Natural Sciences
Social Sciences		
	B.A.	History and Social Sciences
Sociology		
	B.S.	History and Social Sciences
Spanish		
	B.A.	English and Modern Languages
Studio Art		
	B.A.	Art

Department of Art



Department Description

Degree Requirements

Art

Art Education

Graphic Design

Studio Art

Course Descriptions

DEPARTMENT DESCRIPTION

The education of artists is best accomplished when there is an emphasis on the development of visual capacity together with the full realization of intellectual and spiritual growth. Grand Canyon University offers the rare opportunity to pursue the study of art within a Christian comprehensive university. A Bachelor of Arts degree with three different areas of specialization is offered. Studio Art will enable the student to pursue a career as a professional artist or to pursue graduate study in a variety of related fields. The Graphic Design program offers one-on-one instruction, simulation of field-related projects, and the development of a professional portfolio. The Art Education major prepares the student with the knowledge and skills to teach art in the elementary or secondary classroom. Many of the classes are taught by professors who are experienced elementary and/or secondary art teachers.

A high percentage of faculty are exhibiting,

professional artists. They are able to convey their unique perspective and encourage involvement in the local art community. 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. All lower division courses are open to any student with no prerequisites.

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

General Studies For Teacher Education Programs (pg. 114)

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

Secondary Certification Required

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 333	Art History I	3 hours
ARH 343	Art History II	3 hours
ARH —	Art History Elective	3 hours
ART 111	Drawing I	3 hours
ART 252	Printmaking I	3 hours
ART 263	Ceramics I	3 hours
+ ART —	Studio Art Electives	9 hours
ART 481	Studio Problems and Techniques	4 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 115	Three-Dimensional Design	3 hours
DGN 213	Basic Studio Techniques	3 hours

Total Major Hours 46

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

+ Three (3) hours must be upper division credit.

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

General Studies (pg. 46-47)

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

Graphic Design Major

ARH 333	Art History I or	
ARH 343	Art History II	3 hours
ARH —	Art History Elective	3 hours
ARH 470	Aesthetics	3 hours
ART 111	Drawing I	3 hours
ART 201	Photography I	3 hours
ART 211	Drawing II	3 hours
ART 223	Painting I or	
ART 252	Printmaking I	3 hours
ART 431	Portfolio Preparation	3 hours
* ART —	Art Elective	3 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 223	Advertising Design	3 hours
DGN 233	Graphic Design I	3 hours
DGN 263	Computer Graphics I	3 hours
DGN 273	Illustration I	3 hours
DGN 333	Graphic Design II	3 hours
DGN 363	Computer Graphics II	3 hours
DGN 481	Design Problems and Techniques	12 hours

Total Major Hours 60

* To be chosen from ART 323 (Painting II), ART 352 (Printmaking II), or ART 301 (Photography II).

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

General Studies (pg. 46-47)

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

Studio Art Major

ARH 333	Art History I	3 hours
ARH 343	Art History II	3 hours
ARH —	Art History Elective	3 hours
ARH 470	Aesthetics	3 hours
ART 111	Drawing I	3 hours
ART 201	Photography I	3 hours
ART 231	Sculpture I	3 hours
ART 252	Printmaking I	3 hours
ART 263	Ceramics I	3 hours
ART —	Upper Division Studio Art Electives	6 hours
ART 401	Art Seminar	3 hours
ART 431	Portfolio Preparation	2 hours
* ART 481	Studio Problems and Techniques	12 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 115	Three-Dimensional Design	3 hours
DGN 213	Basic Studio Techniques	3 hours

Total Major Hours 59

* Hours must be in no more than two medias.

MINOR REQUIREMENTS — * STUDIO ART

ARH 333	Art History I or	
ARH 343	Art History II	3 hours
ART 111	Drawing I	3 hours
ART 481	Studio Problems and Techniques	3 hours
+ ART —	Studio Art Electives	6 hours
DGN 112	Two-Dimensional Design or	
DGN 115	Three-Dimensional Design	3 hours

Total Minor Hours 18

* Students desiring teaching certification should take 24 hours including ARE 323 and ARE 423. Please refer to the College of Education for certification requirements.

+ Three (3) hours must be 200 level credit and three (3) hours must be 300 level credit in the same medium.

ART EDUCATION

ARE 323 3 hours Art Media and Methods for the Elementary Teacher

Every Spring. 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.

ARE 423 3 hours Art in the Secondary School

Every Fall. Exploration of materials, theory, and organization for presenting art activities and development in the arts for students on the secondary school level.

ART HISTORY

ARH 100 3 hours Introduction to Art

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

ARH 333 3 hours Art History I

Fall, 1992, and alternate years. A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art to the Renaissance.

ARH 343 3 hours Art History II

Spring 1993, and alternate years. A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-Classical, Romantic, and Modern epochs.

ARH 385 3 hours History of Photography

Spring, 1992, and alternate years. A survey of the history of photography from 1839 to the present.

ARH 396 2 hours Art History Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular course work. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

ARH 439 3 hours Contemporary Art

Spring, 1992, and alternate years. Recent and current trends in art with special consideration of new concepts and experimentation with media and modes of presentation.

ARH 442 3 hours American Art

Fall, 1991, and alternate years. History of art in the United States from European settlement of the New World to today.

ARH 470 3 hours Aesthetics

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

ART STUDIO

ART 111 3 hours Drawing I

Every semester. Introduction to the basic elements of line, value, texture, and surface manipulation with emphasis on composition and dry media usage such as pencils and charcoal.

ART 201 3 hours Photography I

Every semester. An introduction to black-and-white photography exploring basic techniques in camera operation, film and print processing, composition and presentation. Lecture and darkroom laboratory periods.

ART 211 3 hours Drawing II

Every Spring. Exploration of recording ideas and concepts 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 223 3 hours Painting I

Every semester. Introduction to the preparation, use of materials, and methods with an emphasis on color theory and effects of color and harmony. Prerequisite: ART 111.

ART 231 3 hours Sculpture I

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

ART 252 3 hours Printmaking I

Every semester. An introduction to basic techniques of printmaking such as etching, drypoint, aquatint, and woodcut processes. Creative ideas will be emphasized as well as the development of basic technical skills. Prerequisite: ART 111.

ART 263 3 hours Ceramics I

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

**ART 272
Jewelry I** **3 hours**

On demand. 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 semester. 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 323
Painting II** **3 hours**

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

**ART 332
Art Workshop** **3 hours**

On demand. 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 352
Printmaking II** **3 hours**

Every semester. 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 semester. Continued studio problems in the process of forming clay. Emphasis is also placed on glaze application and surface decoration. Prerequisite: ART 263.

**ART 372
Jewelry II** **3 hours**

On demand. 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. Prerequisite: ART 272.

**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 401
Art Seminar** **3 hours**

Every Spring. A discussion-oriented class introducing the concept of the professional artist and his or her dealings with galleries and museums, graduate schools, résumés and portfolio requirements. In addition to classroom discussions, the class will be supplemented through field trips to galleries, museums, artists' studios, and graduate schools.

**ART 431
Portfolio Preparation** **2 hours**

Every semester. The student will prepare and present a showing of upper division art in area of concentration along with a sketch portfolio and résumé. Prerequisite: Instructor's approval.

**ART 481
Studio Problems and Techniques** **1 - 4 hours**

By arrangement. Advanced studio problems in the medium of the student's choice. May be repeated. Prerequisite: Instructor's approval.

DESIGN STUDIO**DGN 112
Two-Dimensional Design** **3 hours**

Every Fall. Basic principles of the structural aspects of graphic arts 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 213
Basic Studio 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 the operation of shop equipment.

**DGN 223
Advertising Design** **3 hours**

Every Fall. 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 Spring. An introduction to the visual organization of advertising 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 Spring. Computer image creation, transformation, and manipulation. Use microcomputer-based graphics systems for product design and documentation. Prerequisite: DGN 112.

**DGN 273
Illustration I** **3 hours**

On demand. Basic principles and styles of drawing and their commercial application are explored through studio work and lecture. Prerequisite: ART 111.

**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 **3 hours**

Computer Graphics II

Every Spring. Using computer-aided design and documentation software. Advanced geometric construction. Prerequisite: DGN 263.

DGN 373 **3 hours**

Illustration II

On demand. Advanced principles and styles of drawing and their commercial application are explored through studio work and lecture. Prerequisite: DGN 273.

DGN 396 **2 hours**

Design Studio Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

DGN 481 **1 - 4 hours**

Design Problems and Techniques

By arrangement. Advanced design problems in the medium of the student's choice. May be repeated. Prerequisite: Instructor's approval.

Department of Christian Studies

Department Description

Center for Biblical Studies

Degree Requirements

Christian Studies

Biblical Studies

Historical/
Theological Studies

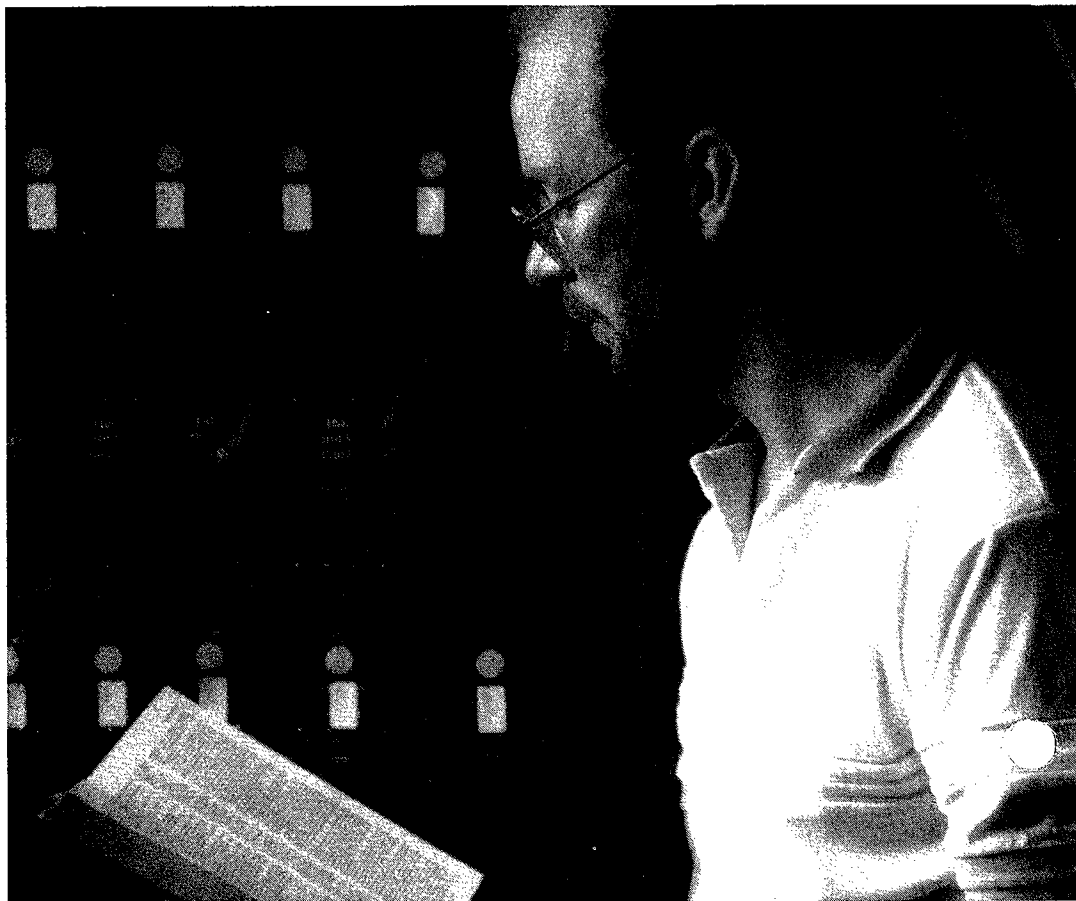
Practical Ministries

Greek

Philosophy

Course Descriptions

Christian Studies



DEPARTMENT DESCRIPTION

Courses in the Department of Christian Studies are intended to give students an understanding and appreciation of the Bible, to arouse in them a desire for Christian usefulness, and to equip them for leadership in various church-related activities.

Many courses in this department are designed to be beneficial to all college students. Some are courses which ministerial students should take, whether or not they expect to continue their studies in seminary.

Suggested Course of Study for Ministerial Students

The ministerial student should plan a course of study to give the best possible general preparation for the student's life work. Enrollment in a wide variety of courses, according to personal interests, will provide background for working

with people in all fields of Christian endeavor. For improvement of ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. Courses in physical education will help develop a lifelong program of health improvement and care.

Students preparing for church-related vocations, whether full-time or bivocational, are encouraged to take a major in Christian Studies. Not only does this encourage the student's spiritual growth, it also prepares the student for seminary. Seminary courses are generally more technical and of broader scope than college courses. Usually, any Christian Studies course offered in college will be only preparatory and will not result in repetition at seminary. Students planning to enter religious or church-related work are strongly encouraged to pursue seminary studies following graduation from college.

CENTER FOR BIBLICAL STUDIES

The Department of Christian Studies has established a Center for Biblical Studies to enlist more students in the study of the Bible and religion and to render a service to the community.

Under this program a person not enrolled in any other college or university may take up to seven hours of college work per semester, all of which must be in Christian Studies. These courses may be audited or taken for credit. Any of the courses listed in the Department of Christian Studies, except Philosophy, may be taken under the program, only during a regular Fall or Spring semester.

A certificate will be awarded upon completion of 18 hours and an advanced certificate for 30 hours.

There is a special tuition fee of one-half the regular rate. See page 12 for specific financial information pertaining to those enrolled in the Center for Biblical Studies.

DEGREE REQUIREMENTS — CHRISTIAN STUDIES (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Christian Studies Major

BIB 113, 123	Old and New Testament History	
	(Prerequisites for the Christian Studies Major — counted in General Studies)	
BIB 313	Biblical Interpretation	3 hours
HIS 353	History of Christianity	3 hours
HTH 373	Christian Doctrines	3 hours
PHI 101	Intro. to Philosophy or	
PHI 225	Intro. to Ethics	3 hours
	Plus one of the three following emphases:	
	Biblical Studies, Historical/Theological Studies, or Practical Ministries	18 hours

Total Major Hours 30

Christian Studies Emphases (Select One)

1. Biblical Studies Emphasis

Choose 12 hours from the following: 12 hours

BIB 423	General Epistles and Revelation	
BIB 432	Old Testament Prophets	
BIB 433	Life and Teachings of Christ	
BIB 442	The Pentateuch	
BIB 443	Life and Letters of Paul	
BIB 453	Old Testament Poetry	
BIB 453	Biblical Backgrounds	
BIB 499	Independent Study	
GRK 373	Advanced Greek Grammar I	
GRK 383	Advanced Greek Grammar II	

Electives chosen from Historical/Theological Studies and/or Practical Ministries 6 hours

Total Emphasis Hours 18

2. Historical/Theological Studies Emphasis

Choose 12 hours from the following: 12 hours

HTH 303	Baptist and American Church History	
HTH 318/		
PHI 318	Faith and Reason	
HTH 323	Christian Missions	
HTH 333	Psychology of Religion	
HTH 463/		
PHI 463	World Religions	
HTH 499	Independent Study	

Electives chosen from Biblical Studies and/or Practical Ministries 6 hours

Total Emphasis Hours 18

3. Practical Ministries Emphasis

Choose 12 hours from the following: 12 hours

EDU 303	Foundations of Education	
MIN 201	Development in Ministries	
MIN 211	Training and Christian Discipleship I	
MIN 212	Training and Christian Discipleship II	
MIN 213	A Survey of Christian Education	
MIN 243	Church Administration	
MIN 270	Christian Drama	
MIN 302	Church Recreation	
MIN 323	Evangelism	
MIN 363	Instructional Technology	
MIN 373	Pastoral Ministry	
MIN 383	Homiletics	
MIN 393	Hymnology	
MIN 410	Clinical Pastoral Training	
MIN 497	Ministerial Internship	
MIN 499	Independent Study	

Electives chosen from Biblical Studies and/or Historical/Theological Studies 6 hours

Total Emphasis Hours 18

(Within this emphasis, a student may pursue a concentration in pastoral ministry, Christian Education, or any other church vocation.)

MINOR REQUIREMENTS — CHRISTIAN STUDIES

BIB 113	Old Testament History	3 hours
BIB 123	New Testament History	3 hours
HTH 373	Christian Doctrines	3 hours
* — —	Christian Studies Electives	9 hours

Total Minor Hours 18

* Three (3) hours must be Upper Division credit.

MINOR REQUIREMENTS — GREEK

GRK 274	Beginner's Greek I	4 hours
GRK 284	Beginner's Greek II	4 hours
GRK 373	Advanced Greek Grammar I	3 hours
GRK 383	Advanced Greek Grammar II	3 hours
GRK 499	Independent Study	4 hours

Total Minor Hours 18

MINOR REQUIREMENTS — PHILOSOPHY

PHI 101	Introduction to Philosophy	3 hours
PHI 312	Foundations of Western Thought or	
PHI 313	Shapers of the Modern Mind	3 hours
PHI 225	Introduction to Ethics or	
PHI 311	Business Ethics or	
PHI 329	Biomedical Ethics	3 hours
PHI —	Philosophy Electives	9 hours

Total Minor Hours 18

BIBLICAL STUDIES

BIB 101 3 hours
Survey of the Old Testament

Every Fall. 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 General Studies requirement of the University but does not serve as the required prerequisite for other courses in the Department of Christian Studies.

BIB 102 3 hours
Survey of the New Testament

Every Spring. 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 General Studies requirement of the University but does not serve as the required prerequisite for other courses in the Department 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 Department Chair and the Tutor Program Coordinator.

BIB 423 3 hours
General Epistles and Revelation

Spring, 1992, and alternate years. A study of the historical background, authorship, and expository analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: BIB 113, BIB 123.

BIB 432 3 hours
Old Testament Prophets

Spring, 1992, 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, 1992, 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, 1992, 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, 1993, 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, 1991, 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, 1991, 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 499 1 - 4 hours
Independent Study

On demand. See page 38.

HISTORICAL/THEOLOGICAL STUDIES

HTH 303 3 hours Baptist and American Church History

Spring, 1992, and alternate years. Also **HIS 303**. Continuation of **HIS 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 318 3 hours Faith and Reason

On demand. Also **PHI 318**. 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.

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

Spring, 1992, and alternate years. Also **PSY 333**. Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship, and principles of leadership.

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 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 Department Chair and the Tutor Program Coordinator.

HTH 463 3 hours World Religions

On demand. Also **PHI 463**. A study of the major religions of the world, both ancient and contemporary, with emphasis upon primitive religion, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam, and Judaism.

HTH 499 1 - 4 hours Independent Study

On demand. See page 38.

PRACTICAL MINISTRIES

MIN 201 3 hours Development in Ministries

Fall, on demand. This course introduces the student to Christian ministries in a practical manner, to prepare him/her for more mature study and experience of ministry. It involves the student in personal observation of ministry and direct contact with ministers. The course is prerequisite to and prepares for the formal internship (MIN 497).

MIN 211 3 hours Training in Christian Discipleship I

Fall, on demand. An intensive study and application of the basic disciplines of Christian discipleship focusing on the formation of character, values, disciplines, and habits, especially related to inner development. MIN 212 is necessary for credit in MIN 211.

MIN 212 3 hours Training in Christian Discipleship II

Spring, on demand. Continuation of **MIN 211** with emphasis on development from being outer-directed disciples to becoming inner-directed leaders. Prerequisite: MIN 211.

MIN 213 3 hours A Survey of Christian Education

Fall, 1992, and alternate years. An introduction and survey study of Christian education, with emphasis on history, philosophy, objectives, educational techniques, and the related functions of the major program organizations of the local church. Attention also is given to the means of organized cooperation between churches.

MIN 243 3 hours Church Administration

Spring, 1993, and alternate years. A study of the administration of the entire program of a church, including staff relationships, leadership development, teaching and training, worship, church music, stewardship, evangelism, counseling, and missionary outreach.

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 302 **Church Recreation** **3 hours**

Every Fall. Also **REC 302**. A course designed to give specific directions in program planning and techniques for setting up and implementing a total church recreation program.

MIN 323 **Evangelism** **3 hours**

Spring 1993, and alternate years. A study of the history, theology, principles and methods of New Testament evangelism, including personal, church, and mass evangelism. Each student will be encouraged to do personal work as a part of this course. Prerequisites: BIB 113, BIB 123.

MIN 363 **Instructional Technology** **3 hours**

Every semester and every Summer. Also **EDU 363**. A survey of the role of audiovisual aids projected and non-projected, in learning and communication with emphasis on the selection, preparation, evaluation, and utilization of such materials and equipment.

MIN 373 **Pastoral Ministry** **3 hours**

Fall, 1991, and alternate years. A study of the philosophy and practice of pastoral work, including a study of the pastor's call, his leadership role in the church, his personal character, health and preparation, pastoral care, preaching, counseling, leadership in worship, and administration of church affairs.

MIN 383 **Homiletics** **3 hours**

Spring, 1992, and alternate years. A study of principles and practice of preaching, types of sermons, principles and procedure of sermon preparation and delivery. Students will prepare and deliver several sermons during the course. Prerequisites: BIB 113, BIB 123.

MIN 393 **Hymnology** **3 hours**

Fall, 1992, 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. Recommended for theology and religious education students.

MIN 396 **Practical Ministries Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

MIN 410 **Clinical Pastoral Training** **3 hours**

On demand. This course consists of 45 hours of hospital chaplaincy experience under the guidance of a qualified hospital chaplain. The primary purpose of the course is to provide ministerial students with training in grief and crisis ministry. Prerequisites: Senior status, interview.

MIN 497 **Ministerial Internship** **3 hours**

Every semester. This field education course involves the student in one semester of service with a qualified supervising minister in the ministry setting. An advanced internship can be arranged for the student already engaged in professional ministry who wants further training. Internships are usually available in chaplaincy, church work (pastor, education, music, youth, etc.), Christian social ministries, student work, and other areas. Prerequisites: MIN 201, sophomore or higher class status.

MIN 499 **Independent Study** **1 - 4 hours**

Every semester. See page 38.

NEW TESTAMENT GREEK

The courses in Greek are designed to enable the student to acquire an early mastery of the essentials of inflection and syntax, to resolve the principal difficulties of grammatical analysis, and to develop in the student a vigorous and independent interest in the Greek New Testament. Fourteen hours of Greek (two years) are recommended for the Bachelor of Arts degree. Students who plan to enter the Master of Divinity program in seminary should take at least one year of Greek in college.

GRK 274 **Beginner's Greek I** **4 hours**

Fall, 1991, and alternate years. Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to study the Greek New Testament. Prerequisite: Sophomore status or instructor's approval.

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

Spring, 1992, and alternate years. Continuation of **GRK 274**. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of cases, prepositions, and tenses. Prerequisite: GRK 274 or equivalent.

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

Fall, 1992, and alternate years. For second-year students of the Greek New Testament. Forms, syntax, and prose composition are reviewed. The student is required to translate I Thessalonians and is given, with each lesson, a demonstration of the significance of Greek forms as vital to accurate translation. Prerequisite: GRK 284.

GRK 383 **Advanced Greek Grammar II** **3 hours**

Spring, 1993, 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 Department Chair and the Tutor Program Coordinator.

GRK 499 **1 - 4 hours**
Independent Study
 Every semester. See page 38.

PHILOSOPHY

PHI 101 **3 hours**
Introduction to Philosophy
 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 **3 hours**
Introduction to Logic
 Every Spring. A study of the principles of correct reasoning with emphasis on distinguishing between good and bad arguments of various types.

PHI 225 **3 hours**
Introduction to Ethics
 Every semester. An introductory study of some of the central concepts, procedures and issues in the field of ethics, focusing on the nature of ethical thinking and how it applies to particular judgments about actions, character, and values. Topics to be considered include ethical relativism, morality and self interest, the basis of moral obligation, moral virtues and vices, and the relevance of religious beliefs to morality.

PHI 311 **3 hours**
Business Ethics
 Every semester. A study of the application of moral concepts and principles to business practice. Topics include product quality and safety, truth in advertising, employee rights and responsibilities, organizational life, and the capitalist system.

PHI 312 **3 hours**
Foundations of Western Thought
 Fall, 1991, 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 **3 hours**
Shapers of the Modern Mind
 Fall, 1992, and alternate years. A study of thinkers from the Renaissance to contemporary times who have helped to form our understanding of ourselves and the world we live in. Focus will be on major philosophic systems of the modern period. Prerequisite: PHI 101 or instructor's approval.

PHI 318 **3 hours**
Faith and Reason
 On demand. Also **HTH 318**. 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 **3 hours**
Biomedical Ethics
 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 396 **2 hours**
Philosophy 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.

PHI 463 **3 hours**
World Religions
 On demand. Also **HTH 463**. A study of the major religions of the world, both ancient and contemporary, with emphasis upon primitive religion, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam, and Judaism.

PHI 499 **1 - 4 hours**
Independent Study
 On demand. See page 38.

Department of Computer Science

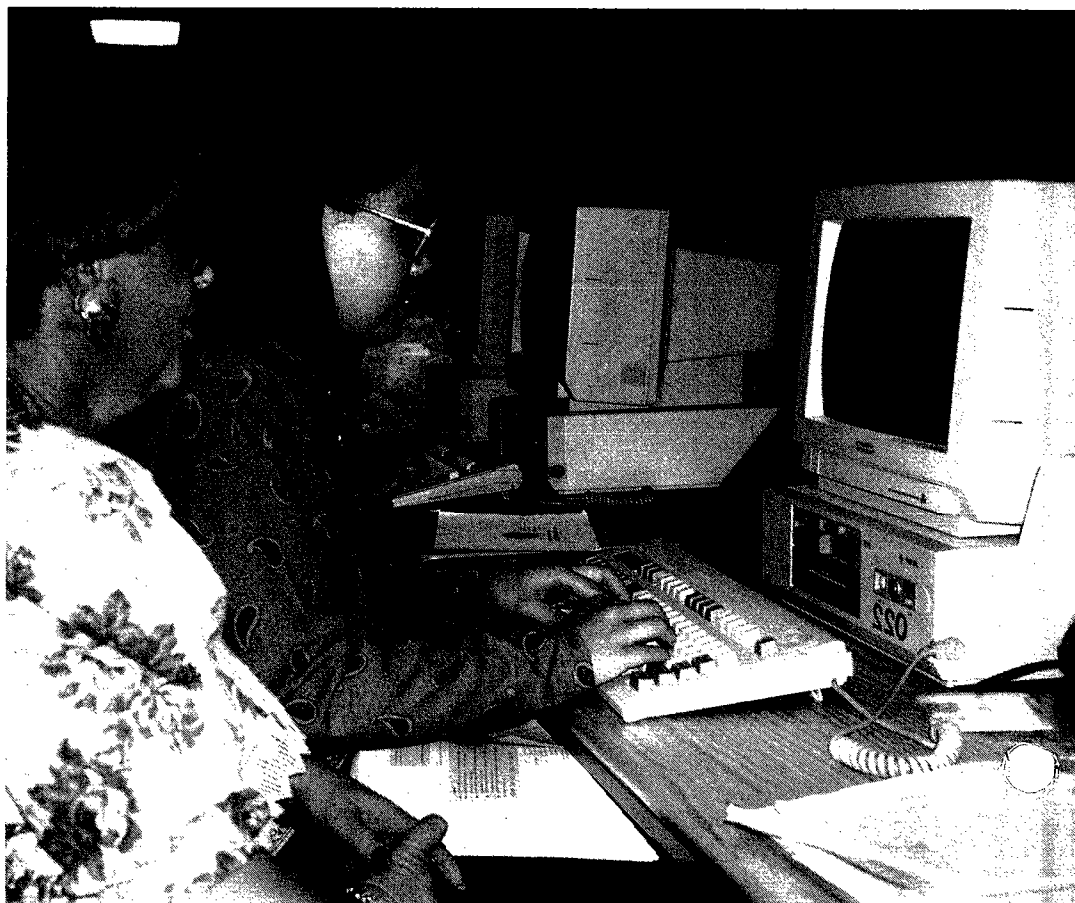
Department Description

Degree Requirements

Computer Science

Computer Science for
Secondary Teachers

Course Descriptions



DEPARTMENT DESCRIPTION

The Department of Computer Science provides courses for students who major in computer science or computer science for secondary teachers. It prepares students for graduate study, or employment in business, industry, government, or teaching. The department also provides a broad introduction to computer applications — including wordprocessing, spreadsheets, and data bases — for students in all fields.

The instructional facilities of the Computer Center include a DEC VAX 6410 with terminal facilities for group and individual use, a large network of IBM-compatible Personal Computers, various other microcomputers, and a Motorola 6000 system running the UNIX operating system.

DEGREE REQUIREMENTS — COMPUTER SCIENCE (B.S. Degree)

General Studies (pg. 46-47)

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

Minor Required

Computer Science Major

CSC	100	Intro. to Comp. Science I	3 hours
CSC	101	Intro to Comp. Science II	3 hours
CSC	120	Digital Computer Fundamentals	3 hours
CSC	220	Assembly Language Programming	3 hours
CSC	310	Intro. to Data Structures	3 hours
CSC	320	Comp. Architecture and Organization	3 hours
CSC	340	Structure of Programming Languages	3 hours
CSC	401	Senior Seminar	3 hours
CSC	430	Operating Systems	3 hours
CSC	460	Software Engineering	3 hours
CSC	—	Upper Division Computer Science Electives	6 hours
MAT	270	Anal. Geom. and Calculus I	4 hours

MAT 271	Anal. Geom. and Calculus II	4 hours
MAT 315	Discrete Mathematics	3 hours
MAT 363	Probability and Statistics	3 hours

Total Major Hours 50

MINOR REQUIREMENTS — * COMPUTER SCIENCE

CSC 100	Intro. to Computer Science I	3 hours
CSC 101	Intro. to Computer Science II	3 hours
CSC —	Computer Science Electives including 6 hours Upper Division	12 hours

Total Minor Hours 18

* Students desiring teaching certification should take 24 hours for a minor, including CSC 155, CSC 333, and CSC 356. Please refer to the College of Education for certification requirements.

DEGREE REQUIREMENTS — * COMPUTER SCIENCE FOR SECONDARY TEACHERS (B.S. DEGREE)

General Studies For Teacher Education Programs (pg. 114)

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

Minor Required

Secondary Certification Required

Computer Science for Secondary Teachers Major

CSC 100	Intro. to Computer Science I	3 hours
CSC 101	Intro. to Computer Science II	3 hours
CSC 155	Using Computers in the Classroom	3 hours
CSC 180	Microcomputer Applications	3 hours
CSC 333	Computer Curriculum Management	3 hours
CSC 356	Programming for Teachers	3 hours
CSC —	Computer Science Electives including 9 hours Upper Division	12 hours

Total Major Hours 30

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

COMPUTER SCIENCE

CSC 100 3 hours Introduction to Computer Science I

Every Fall. An introductory study of structured programming techniques. Topics include: computer organization, problem solving, algorithm, design, coding, and problem verification. Prerequisite: MAT 121, or high school equivalency.

CSC 101 3 hours Introduction to Computer Science II

Every Spring. A continued study of structured programming techniques. Topics include: string processing, internal searching and sorting, data structures, and recursion. Prerequisite: CSC 100.

CSC 120 3 hours Digital Computer Fundamentals

Every Spring. An introduction to computer design and operational fundamentals. Topics include: number systems, Boolean algebra, logic structure, digital computers. Prerequisite: CSC 100 or EGN 105.

CSC 155 3 hours Using Computers in the Classroom

Fall, 1991, and alternate years. Also EDU 355. 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.

CSC 180 1 hour modules Microcomputer Applications

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, and E. Advanced Spreadsheet. Prerequisites: CSC 180D requires CSC 180A. CSC 180E requires CSC 180B.

CSC 201 1 - 2 hour modules Computer Programming Languages

Every Spring. One hour modules to introduce and develop proficiency in such languages as FORTRAN, C, Ada, Lisp, Prolog, etc. Students select from modules to meet their objectives. Prerequisite: CSC 101, or CSC 204, or EGN 105, or instructor's approval.

CSC 204 3 hours COBOL

Every Spring. Programming techniques and algorithm translation in COBOL with emphasis on business applications and good programming practices.

CSC 220 3 hours Assembly Language Programming

Every Fall. A study of the techniques needed to program a computer in assembly language. Topics include: addressing techniques, macros, file I/O, program segmentation and linkage, and assembler construction. Prerequisite: CSC 120.

CSC 310 3 hours Introduction to Data Structures

Fall, 1992, and alternate years. A study of the implementation of different data structures, including trees, lists, stacks, and queues. Prerequisites: CSC 101, MAT 315.

CSC 320 3 hours Computer Architecture and Organization

Every Fall. A study of computer architecture and organization using microprocessors to illustrate key principles. Topics include: digital logic, cpu architecture and organization, addressing and memory organization, interrupts, and peripheral interfacing. Prerequisite: CSC 220, or instructor's approval.

CSC 333 3 hours Computer Curriculum Management

Spring, 1992, and alternate years. This course provides a basic knowledge of the tools and procedures available for creating and maintaining a computer science curriculum. Prerequisite: CSC 101.

CSC 340 **3 hours****Structure of Programming Languages**

Every Spring. A look at the structure of several high-level languages. Topics include: the definition of a language, language structure and design, data types and structures, interpretive languages, and lexical analysis and parsing. Prerequisite: CSC 220.

CSC 356 **3 hours****Programming for Teachers**

Fall, 1992, and alternate years. This course will provide background in the languages BASIC and LOGO, and practical experience in how to teach programming. Prerequisite: CSC 101.

CSC 396 **2 hours****Computer Science 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.

CSC 399 **1 - 4 hours****Practicum**

Every semester. See page 38-39.

CSC 401 **3 hours****Senior Seminar**

Every Spring. Following an appropriate review of current literature, students prepare and present a scholarly paper. Prerequisite: Senior status.

CSC 430 **3 hours****Operating Systems**

Fall, 1991, and alternate years. A study of several different operating systems, and operating system structure in general. Topics include: dynamic procedure activation, system structure, memory and process management, and the evaluation of operating systems. Prerequisite: CSC 320.

CSC 460 **3 hours****Software Engineering**

Every Spring. A study of the problems involved in the production of large software products. Topics include: algorithm analysis and design, organization and management, resource estimation, and project control. Prerequisite: CSC 101.

CSC 471 **3 hours****Artificial Intelligence**

Fall, 1991, and alternate years. Introduction to heuristic search, games, knowledge representation techniques, natural language understanding, expert systems, and computer vision. Prerequisite: CSC 220.

CSC 496 **3 hours****Special Topics in Computer Science**

Every year. An in-depth study of one particular topic of current interest. May be repeated for credit. Prerequisite: Instructor's approval.

CSC 498 **1 - 3 hours****Research in Computer Science**

Every semester. A detailed study of one or more problems in computer science. May be repeated for up to 9 hours of credit, 3 of which may count as electives toward a Computer Science major. Prerequisite: Consultation with and approval of instructor.

CSC 499**Independent Study**

On demand. See page 38.

1 - 4 hours

Department of English and Modern Languages



DEPARTMENT DESCRIPTION

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

The instruction given in *English* has three objectives — two of them for every student who attends Grand Canyon University and the third specifically for those students who possess or develop a major interest in language and literature. The first objective is that students may acquire a command of clear and effective English, spoken and written, that will prepare them to assume responsible positions in the American

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

The study of *modern languages* enlarges the students' awareness and appreciation of other cultures by helping them develop tools of language, permitting the pursuit of new interests as well as providing means to enhance whatever career field they have chosen. The materials and methods of presentation employed by the department are grounded in the belief that there is a high degree of correlation between the appreciation of another culture and the ability in the

Department Description

Degree Requirements

English

English Literature

English Teaching

English Writing

Humanities

Modern Languages

Chinese

French

German

Russian

Spanish

Course Descriptions

target language. Success comes from the positive experiences encountered in the carefully planned and developed classroom exercises and experiences provided, and the language benefit to the student can often mean more rapid advancement and success in the chosen career.

First-year language courses should be taken back-to-back in the Fall and Spring semesters. A minimum of two years should be taken if a person is to be considered language functional.

In evaluating high school work in a language, the individual instructor determines the level at which students should begin their college level languages. A foreign-born native speaker of a language other than English may neither take a conversation class nor a lower division class of grammar, literature or civilization of that language or society after completing an upper division class in that language without the instructor's approval.

Sixteen (16) hours of one language (or equivalent) are recommended for B.A. degree programs. Those planning to teach foreign language at the secondary level must have 24 semester hours (six hours must be the Language Methods class and the Linguistics class). Additional information may be secured from faculty members.

The Spanish major not only offers students the opportunity to strengthen the four language skills — speaking, listening, reading and writing — but also seeks to fulfill several objectives: 1) to assist students in acquiring a practical vocabulary in Spanish; 2) to provide the opportunity for using Spanish in everyday situations; 3) to develop an appreciation of Spanish and Spanish-American literature and people through the study of the language; and 4) to provide basic courses in preparation for graduate study or for possible use of Spanish in employment opportunities.

HONORS PROGRAM

The *honors program* is designed to provide a unique educational challenge for a select number of students who have demonstrated superior scholarship and aptitude for learning. It seeks to provide them with opportunities for advanced study within their own discipline as well as exchanges with faculty and students outside their own field. It is a University-wide program open, by invitation, to students majoring in any field.

Students are encouraged to participate in the Honors Colloquium led by faculty and guest speakers. More extensive contact with faculty is available through the Honors Thesis, directed by professors in the student's major field.

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

MINOR REQUIREMENTS — * ENGLISH

ENG 301	Advanced Composition	3 hours
ENG 314	Advanced Grammar	3 hours
* ENG 413	The Novel	3 hours
ENG 421	Shakespeare	3 hours
ENG —	American Literature Electives (2 of 3)	6 hours
ENG —	English Literature Electives (2 of 3)	6 hours

Total Minor Hours 24

* Students desiring teaching certification should take ENG 480 (Methods of Teaching English) in place of ENG 413 (Novel).

DEGREE REQUIREMENTS — ENGLISH LITERATURE (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

English Literature Major

ENG 221	English Literature I	3 hours
ENG 222	English Literature II	3 hours
ENG 314	Advanced Grammar	3 hours
ENG 341	American Literature I	3 hours
ENG 342	American Literature II	3 hours
ENG 363	English Literature III	3 hours
ENG 421	Shakespeare	3 hours
ENG 463	American Literature III	3 hours
* ENG —	Literature Electives	6 hours
+ ENG —	Writing Electives	6 hours

Total Major Hours 36

* Two of the following courses must be taken:

ENG 324 (Poetry), ENG 352 (Short Story), ENG 362 (Studies in Film), or ENG 413 (Novel).

+ Two of the following courses must be taken:

ENG 301 (Advanced Composition), ENG 313 (Business and Technical Writing), ENG 401 (Seminar in Writing), or ENG 411 (Creative Writing).

DEGREE REQUIREMENTS — * ENGLISH TEACHING (B.A. DEGREE)

General Studies For Teacher Education Programs (pg. 114)

Minor Required

Secondary Certification Required

English Teaching Major

ENG 221	English Literature I	3 hours
ENG 222	English Literature II	3 hours
ENG 301	Advanced Composition	3 hours
ENG 314	Advanced Grammar	3 hours
ENG 341	American Literature I	3 hours
ENG 342	American Literature II	3 hours
ENG 363	English Literature III	3 hours
ENG 421	Shakespeare	3 hours
ENG 463	American Literature III	3 hours
+ ENG —	Literature Electives	6 hours
ENG 480	Methods of Teaching English	3 hours

Total Major Hours 36

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

+ Two of the following courses must be taken:

ENG 324 (Studies in Poetry), ENG 352 (Short Story), ENG 362 (Studies in Film), ENG 413 (Novel), ENG 471 (Adolescent Literature), or ENG 473 (Children's Literature).

DEGREE REQUIREMENTS — ENGLISH WRITING (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

English Writing Major

ENG 301	Advanced Composition	3 hours
ENG 313	Business and Technical Writing	3 hours
ENG 314	Advanced Grammar	3 hours
ENG 363	English Literature III	3 hours
ENG 401	Seminar in Writing	3 hours
ENG 411	Creative Writing	3 hours
ENG 463	American Literature III	3 hours
* ENG —	English Electives	9 hours
JRN —	Journalism Electives	6 hours

Total Major Hours 36

* Three (3) of the following courses must be taken:
ENG 324 (Studies in Poetry), ENG 352 (Short Story), ENG 362 (Studies in Film), or ENG 413 (Novel).

MINOR REQUIREMENTS — HUMANITIES

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

Art
Language
Literature
Music
Philosophy
Speech/Theatre

MINOR REQUIREMENTS — * FRENCH

FRE 101	Elementary French I	4 hours
FRE 102	Elementary French II	4 hours
FRE 201	Intermediate French I	4 hours
FRE 202	Intermediate French II	4 hours
FRE 312	French Composition	3 hours
FRE —	French Literature Elective	3 hours

Total Minor Hours 22

* Students desiring teaching certification should take 24 hours.
Please refer to the College of Education for certification requirements.

MINOR REQUIREMENTS — * GERMAN

GFR 101	Elementary German I	4 hours
GFR 102	Elementary German II	4 hours
GER 201	Intermediate German I	4 hours
GER 202	Intermediate German II	4 hours
GER 312	German Composition	3 hours

GER 413 Survey of German Literature 3 hours

Total Minor Hours 22

* Students desiring teaching certification should take 24 hours.
Please refer to the College of Education for certification requirements.

DEGREE REQUIREMENTS — SPANISH (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Spanish Major

SPA 101	Elementary Spanish I	4 hours
SPA 102	Elementary Spanish II	4 hours
SPA 201	Intermediate Spanish I	4 hours
SPA 202	Intermediate Spanish II	4 hours
SPA 311	Advanced Conversation	3 hours
SPA 312	Spanish Composition and Grammar	3 hours
SPA 363	Civilization of Spain or	
SPA 373	Hispanic Civilization	3 hours
SPA 413	Spanish Literature or	
SPA 423	Hispanic Literature	3 hours
SPA 319	Business and Professional Spanish or	
* SPA 480	Foreign Language Methods or	
SPA 493	Contemporary Issues	3 hours

Total Major Hours 31

* Mandatory for those wishing to teach Spanish.

MINOR REQUIREMENTS — * SPANISH

SPA 101	Elementary Spanish I	4 hours
SPA 102	Elementary Spanish II	4 hours
SPA 201	Intermediate Spanish I	4 hours
SPA 202	Intermediate Spanish II	4 hours
SPA 312	Spanish Composition and Grammar	3 hours
SPA —	Spanish Literature Elective	3 hours

Total Minor Hours 22

* Students desiring teaching certification should take 24 hours.
Please refer to the College of Education for certification requirements.

ENGLISH

ENG 100 3 hours

Basic English

Every semester. A course for students whose ACT scores or performance on the Writing Proficiency Exam indicates their need for a review of basic English.

ENG 101 Grammar and Composition	3 hours	ENG 342 American Literature II	3 hours
Every semester and every Summer. A course in the writing of clear and effective prose, emphasizing fluency, structure, and correctness.		Every Spring. A study of Local Color, Realism and Naturalism, especially in prose and poetry from 1850 to World War I. Prerequisite: Junior status.	
ENG 102 Composition and Literature	3 hours	ENG 352 The Short Story	3 hours
Every semester and every Summer. The work involves a variety of expository techniques based on the student's readings and a research paper. Prerequisite: ENG 101.		Every Fall. A study of the short story, its development, the different types and an analysis of technique. Prerequisite: Junior status.	
HON 104 Readings for Honors	3 hours	ENG 362 Studies in Film	3 hours
Every Fall. A cross-disciplinary study of major issues in contemporary culture. Students will be expected to participate in discussions and to write honors level essays based on readings and lectures. Prerequisite: Admittance to the Honors Program.		Every Spring. Introduction to the historic and artistic development of movies. A number of classic as well as modern films will be shown and discussed.	
HON 105 Honors Composition and Literature	3 hours	ENG 363 English Literature III	3 hours
Every Spring. A course designed for students who have demonstrated good writing skills. Students will use a variety of expository methods in analyzing literature. A research paper is required. The course fulfills all freshman English requirements. Prerequisite: HON 104.		Every Spring. A study of the major Victorian poetry and prose and selected works from the modern period.	
ENG 221 English Literature I	3 hours	ENG 396 English Tutoring	2 hours
Every Fall. A study of selected classical backgrounds of English literature, the Old English period and the English Renaissance. Prerequisites: ENG 101, ENG 102.		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 222 English Literature II	3 hours	ENG 399 Practicum	1 - 4 hours
Every Spring. Continuation of ENG 221 , covering the period from the Restoration through the Romantic period. Prerequisites: ENG 101, ENG 102.		On demand. See page 38-39.	
ENG 301 Advanced Composition	3 hours	ENG 401 Seminar in Writing	3 hours
Every Spring. A course for students interested in writing who wish to develop their skills in critical and non-fiction writing.		Every Spring. An exploration of English as a discipline. Students study the interpretation of literature, the methodology of writing, and career opportunities.	
ENG 313 Business and Technical Writing	3 hours	ENG 411 Creative Writing	3 hours
Every semester. A course designed to present the best practices in writing business communications and technical reports.		Every Fall. A course for students who are particularly interested in writing fiction or poetry. May be repeated for a maximum of 6 hours.	
ENG 314 Advanced Grammar	3 hours	ENG 413 The Novel	3 hours
Every Spring. A study of syntax, form, and mechanics of English grammar in the light of its historical background.		Every Fall. A study in the development of the novel which includes reading and discussion of novels from different areas of the world. Novels not written in English will be studied in English translations. Prerequisites: Junior status.	
ENG 324 Studies in Poetry	3 hours	ENG 421 Shakespeare	3 hours
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.		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 341 American Literature I	3 hours	ENG 463 American Literature III	3 hours
Every Fall. A study of outstanding authors, their works and the literary movements from the Colonial Age to Romanticism (1850). Prerequisite: Junior status.		Every Fall. A study of the major works of American literature from World War I.	

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 to adolescents. Both the traditional and the more modern "realistic" novels for adolescents will be studied. Various teaching methods for this genre will also be emphasized.

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 480 3 hours**Methods of Teaching English**

On demand. Methods of instruction, organization, and presentation of content in English.

ENG 499 1 - 4 hours**Independent Study**

On demand. See page 38.

HONORS

HON 104 3 hours**Readings for Honors**

Every Fall. A cross-disciplinary study of major issues in contemporary culture. Students will be expected to participate in discussions and to write honors-level essays based on readings and lectures. Prerequisite: Admittance to the Honors Program.

HON 105 3 hours**Honors Composition and Literature**

Every Spring. A course designed for students who have demonstrated good writing skills. Students will use a variety of expository methods in analyzing literature. A research paper is required. This course fulfills all freshman English requirements. Prerequisite: HON 104.

HON 201 1 hour**Honors Colloquium**

Every semester. Honors colloquium, led by faculty and outside speakers, provides opportunities for attendance of local symphonies, plays, exhibits, and lectures. Students are encouraged to meet faculty outside their own disciplines. Total credit allowed for **HON 201** and **HON 301** is 4 hours.

HON 301 1 hour**Honors Colloquium**

Every semester. A continuation of **HON 201**. Total credit allowed for **HON 201** and **HON 301** is 4 hours.

HON 450 3 - 9 hours**Honors Thesis**

Every semester. Independent research in an area chosen by the Honors student and a professor from his or her major field. Credit hours are determined by the department. Prerequisite: Admittance to the Honors Program.

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**Yearbook Publishing**

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 the University student yearbook, *Canyon Trails*. Prerequisite: Instructor's approval.

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 and to learn the basics of editing and layout. Prerequisite: JRN 200 or instructor's approval.

JRN 301 3 hours**Yearbook Publishing**

Every semester. Continuation of **JRN 201**. May be repeated for a maximum of 6 hours of credit. Prerequisite: Instructor's approval.

JRN 314 3 hours**Small Newspaper I**

Every semester. A course that presents the principles of journalism as they apply to the small newspaper. Laboratory experience provided by the University newspaper. (3 hours maximum.) Prerequisite: Instructor's approval.

JRN 399 1 - 4 hours**Practicum**

On demand. See page 38-39.

JRN 414 3 hours**Small Newspaper II**

Every semester. Continuation of **JRN 314**. (6 hours maximum.) Prerequisites: JRN 200 and instructor's approval.

MODERN LANGUAGES

CHINESE

CHI 101 4 hours**Elementary Chinese I**

On demand. A class stressing conversation using 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.

- CHI 201** **Intermediate Chinese I** **3 hours**
On demand. Increased emphasis on reading, practice to increase conversational fluency. Prerequisite: CHI 102 or equivalent.
- CHI 202** **Intermediate Chinese II** **3 hours**
On demand. Continuation of **CHI 201**. Prerequisite: CHI 201 or equivalent.

FRENCH

- FRE 101** **Elementary French I** **4 hours**
Every Fall. A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.
- FRE 102** **Elementary French II** **4 hours**
Every Spring. Continuation of **FRE 101**. Prerequisite: FRE 101 or equivalent.
- FRE 201** **Intermediate French I** **4 hours**
Every Fall. Review, composition, and extensive reading. Prerequisite: FRE 102.
- FRE 202** **Intermediate French II** **4 hours**
Every Spring. Continuation of **FRE 201**. Prerequisite: FRE 201.
- FRE 300** **French Culture and Civilization** **3 hours**
On demand. A study of the development of civilization in France and the resultant cultural traits and practices. Prerequisite: FRE 202.
- FRE 311** **French Conversation** **3 hours**
Every Fall. A course designed to teach the student to speak with ease and fluency stressing pronunciation, proper intonation and usage and familiarizing the student with culture and customs. Prerequisite: Instructor's approval.
- FRE 312** **French Composition** **3 hours**
Spring, 1992, and alternate years. A course designed to give the student practice in writing in French on selected topics and current issues. Prerequisite: FRE 202 or FRE 311.

- FRE 396** **French 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.

- FRE 403** **Modern French Literature** **3 hours**
Fall, 1992, and alternate years. A study of two opposing factions of literary development in the late 19th and 20th centuries. The preservation of traditional Christian values in unsteady times versus existentialism; their effect on modern French education and lifestyle.

- FRE 413** **Survey of French Literature** **3 hours**
Spring, 1993, and alternate years. Designed to expose the student to French literature, civilization, and culture; and to advance student's reading competence.

- FRE 480** **Foreign Language Methods** **3 hours**
Alternate Summers on demand. Analysis and description of second language learning specific to the targeted language; evaluation procedures; methods and trends of teaching a modern foreign language. Prerequisite: FRE 312.

- FRE 499** **Independent Study** **1 - 4 hours**
On demand. See page 38.

GERMAN

- GER 101** **Elementary German I** **4 hours**
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** **Elementary German II** **4 hours**
Every Spring. Continuation of **GER 101**. Prerequisite: GER 101 or equivalent.

- GER 201** **Intermediate German I** **4 hours**
Every Fall. Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. Prerequisite: GER 102.

- GER 202** **Intermediate German II** **4 hours**
Every Spring. Continuation of **GER 201**. Prerequisite: GER 201 or instructor's approval.

- GER 311** **German Conversation** **3 hours**
Every Fall. Contemporary topics and cultural comparisons are the basis of the conversation class. The class strengthens the student's command of spoken German. Prerequisite: Instructor's approval.

- GER 312** **German Composition** **3 hours**
Spring, 1992, and alternate years. A course designed to give the student practice in writing in German about current issues and selected topics.

- 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 413 **Survey of German Literature** **3 hours**
 Spring, 1993, and alternate years. Designed to expose the student to modern German literature and German civilization, and to advance the student's reading competence.

GER 480 **Foreign Language Methods** **3 hours**
 Alternate Summers on demand. Analysis and description of second language learning specific to the targeted language; evaluation procedures; methods and trends of teaching a modern foreign language. Prerequisite: GER 312.

GER 499 **Independent Study** **1 - 4 hours**
 On demand. See page 38.

RUSSIAN

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 Soviet Union.

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. A study stressing conversation and the fundamentals of grammar and pronunciation using the TPR method together with cultural and historical information and readings.

SPA 102 **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. Grammar review covering all tenses and stressing the subjunctive as well as usage and idiomatic expressions. Prerequisite: SPA 102.

SPA 202 **Intermediate Spanish II** **4 hours**
 Every Spring. Continuation of **SPA 201** stressing conversation, culture, Hispanic civilization and readings. Prerequisite: SPA 201.

SPA 311 **Advanced Spanish Conversation** **3 hours**
 Every Fall. Designed to teach the student to speak with fluency, correct pronunciation, to develop facility in the language and to familiarize the student with common expressions and everyday usage. Discussions with a wide range of topics. Prerequisite: SPA 202.

SPA 312 **Spanish Composition and Grammar** **3 hours**
 Every Spring. Designed to give the student practice in writing in Spanish about Spanish literature and current issues. Prerequisite: SPA 311.

SPA 319 **Business and Professional Spanish** **3 hours**
 Every Fall. For the student already conversant in Spanish, this course is designed to give specific vocabulary and terminology distinctive in particular careers and professions (Business, Education, Law, Medical, Ministry, and Public and Social Services). Prerequisite: SPA 202.

SPA 363 **Civilization of Spain** **3 hours**
 Spring, 1993, and alternate years. A chronological study of colonization and civilization of the peninsula and the new world, with emphasis on Mexico. Prerequisite: SPA 312.

SPA 373 **Hispanic Civilization** **3 hours**
 Spring, 1992, and alternate years. A study of the colonizing practices of Spain in the New World and their relevance to modern problems. Prerequisite: SPA 312.

SPA 396 **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 413 **Spanish Literature** **3 hours**
 Spring, 1992, and alternate years. Designed to expand the student's knowledge of Spanish literature and civilization. Prerequisite: SPA 312.

SPA 423 **Survey of Hispanic Literature** **3 hours**
 Every Fall. A survey of Hispanic literature from the Colonial Period to the present with emphasis on literary periods, style, and analysis. Prerequisite: SPA 312.

SPA 480 **Foreign Language Methods** **3 hours**
 Alternate Summers on demand. Analysis and description of second language learning specific to the targeted language; evaluation procedures; methods and trends of teaching a modern foreign language. Prerequisite: SPA 312.

SPA 493 **Contemporary Issues** **3 hours**
 Spring, 1993, and alternate years. Designed to discuss and analyze contemporary events and issues in the Spanish-speaking world. Specific topics to be announced each offering. Prerequisite: SPA 312.

SPA 499 **Independent Study** **1 - 4 hours**
 On demand. See page 38.

Department of Health and Physical Education

Department Description

Degree Requirements

Athletic Training

Health Education

Martial Arts

Physical Education

Recreation

Course Descriptions



DEPARTMENT DESCRIPTION

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

Courses are provided to achieve the following aims: (1) to offer a varied program of physical activity which will contribute to the well-being of students (2) to educate men and women as health and physical education teachers and coaches (3) to train men and women for careers as professional athletic trainers (4) to prepare men and women as nationally certified recreation professionals and (5) to allow men and women to gain knowledge and skills to train others in various martial arts.

The athletic training program prepares students for employment in secondary schools, colleges and universities, professional sports and industrial

and clinical settings as certified athletic trainers. The program blends classroom instruction and clinical experience to prepare the student for the prevention, management and rehabilitation of injuries/illnesses in the sports setting, the administration of sports medicine programs and the education and counseling of athletes on subjects related to this field. A teaching degree is recommended, but not required.

The health education minor is designed to prepare the student for a teaching minor in health education and to meet the State Board of Education requirements for a minor in that field.

The physical education teaching major will qualify for a (K-12) teaching certificate Endorsement for teaching at either the elementary or secondary level. The physical education teaching major will provide the background necessary for employment as instructors, directors and specialists in the commercial health

and fitness industry. The physical education minor emphasizes coaching skills to assist the future teacher who wishes to coach interscholastic, intercollegiate or other sports teams in all aspects of preparation for competition.

The recreation minor will prepare the student for eligibility for the National Parks and Recreation Association Certification as a Recreation Professional, who can supervise and implement recreation programs and manage recreational facilities.

The martial arts minor will enable the student to instruct students in various forms of self defense and karaté techniques and provide 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.

CERTIFICATION REQUIREMENTS — ATHLETIC TRAINING (Not a Major or Minor)

PSY 101	General Psychology	3 hours
BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
HLT 200	Personal Health	3 hours
HLT 270	First Aid and Safety	3 hours
NUR 204	Applied Nutrition	3 hours
PED —	Activity (101, 121, 141, 161, 171)	1 hour
PED 245	Care and Prevention of Athletic Injuries	3 hours
PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 383	Measurement in Physical Education	3 hours
PED 399	Practicum	4 hours
PED 414	Advanced Athletic Training	3 hours
PED 425	Theory of Prescribing Exercise	3 hours
PED 496	Special Topics in Sports Medicine	4 hours
Total Hours		47

MINOR REQUIREMENTS — HEALTH EDUCATION

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
HLT 200	Personal Health	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 399	Practicum	2 hours
Total Minor Hours		25

MINOR REQUIREMENTS — MARTIAL ARTS

PED 141	Self Defense	1 hour
PED 151	Karaté	1 hour
PED 231	Advanced Karaté	1 hour
PED 241	Advanced Self Defense	1 hour
BIO 201	Human Anatomy and Physiology I	4 hours
PED 245	Care and Prevention of Athletic Injuries	3 hours
PED 250	History and Philosophy of Karaté	3 hours
PED 285	Teaching Karaté Activities	2 hours
PED 310	Advanced Kata and Theory	1 hour

PED 311	Sparring	1 hour
PED 335	Kinesiology	3 hours
PED 401	Traditional Okinawan Weapons	1 hour
PED 497	Internship in Martial Arts	3 hours

Total Minor Hours 25

DEGREE REQUIREMENTS — * PHYSICAL EDUCATION (B.S. DEGREE)

General Studies For Teacher Education Programs (pg. 114)

Minor Required

Secondary Certification Required

Physical Education Teaching Major

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
PED —	Activities (from 101, 111, 121, 131, 161, 171, 181)	4 hours
PED 240	Introduction to Physical Education	3 hours
PED 245	Care and Prevention of Athletic Injuries	3 hours
PED —	Professional Activities (from 252, 262, 272, 282, 285, 292)	8 hours
PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 383	Measurement in Physical Education	3 hours
PED 403	Physical Education in Elementary Grades	3 hours
PED 413	Physical Education in Secondary School	3 hours
PED 423	Organization and Administration of Physical Education	3 hours
PED 425	Theory of Prescribing Exercise or	
PED 363	Physical Education for the Exceptional Child	3 hours

Total Major Hours 47

* Refer to the College of Education for secondary certification and minor requirements. For K-8 certification, see an advisor.

DEGREE REQUIREMENTS — NON-TEACHING PHYSICAL EDUCATION (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Non-Teaching Physical Education Major

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
HLT 200	Personal Health	3 hours
HLT 270	First Aid and Safety	3 hours
REC 213	Recreational Activity Leadership	3 hours
PED —	Activities (From 101, 111, 121, 141, 151, 161, 171)	4 hours
PED 240	Introduction to Physical Education	3 hours

PED —	Professional Activities (From 252, 262, 272, 282, 292)	6 hours
PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 383	Measurement of Physical Education	3 hours
PED 399	Practicum	2 hours
PED 425	Theory of Prescribing Exercise	3 hours
REC 423	Recreation Administration and Facility Management or Organization and Administration of Physical Education	3 hours
Total Major Hours		47

MINOR REQUIREMENTS — PHYSICAL EDUCATION (Coaching Emphasis)

HLT 270	First Aid and Safety	3 hours
PED 240	Introduction to Physical Education	3 hours
PED —	Professional Activities (From 252, 262, 272, 282, 292)	4 hours
PED 245	Care and Prevention of Athletic Injuries	3 hours
PED 323	Athletic Coaching: Baseball	3 hours
PED 333	Athletic Coaching: Basketball	3 hours
PED 413	Physical Education in Secondary School	3 hours
Elective from the following:		
PED —	(101, 111, 121, 131, 181, 221)	
PED 399	Practicum	
PED 423	Organization and Administration of Physical Education	3 hours
Total Minor Hours		25

MINOR REQUIREMENTS — RECREATION

HLT 270	First Aid and Safety	3 hours
PED —	Professional Activities (From 252, 262, 272, 282, 292)	3 hours
REC 203	Introduction to Recreation	3 hours
REC 213	Recreational Activity Leadership or	
REC 302	Church Recreation	3 hours
REC 313	Outdoor Recreation	3 hours
REC 423	Recreation Administration and Facility Management	3 hours
REC 425	Recreation for Special Populations	3 hours
REC 497	Internship in Recreation	5 hours
Total Minor Hours		26

HEALTH EDUCATION

HLT 200	Personal Health	3 hours
Every Spring. A study of personal health concepts with emphasis on the importance of good health in the attainment of life's goals and aspirations.		

HLT 270	First Aid and Safety	3 hours
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	School Health Problems	3 hours
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	Methods of Teaching Health	3 hours
Every Spring. A study of 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	Principles of Public Health	3 hours
Every Fall. 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 396	Health 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.		

HLT 399	Practicum	1 - 4 hours
On demand. See page 38-39.		

HLT 401	Drug Abuse Seminar	3 hours
Every Spring. Also SOC 401 . 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. Prerequisite: SOC 341.		

PHYSICAL EDUCATION

Two different courses must be taken to fulfill the Physical Education general studies requirement. These should be taken prior to the junior year.

PED 101	Swimming	1 hour
Every semester. Instruction and practice in the skills of swimming.		

PED 111	Tennis	
Every semester. Instruction and practice in the fundamentals of tennis.		

PED 121 Weightlifting and Fitness	1 hour
Every semester. Instruction and practice in the skills of weightlifting and the procedures necessary to maintain an accepted level of physical fitness.	
PED 131 Team Sports	1 hour
Every semester. Instruction and practice in softball, basketball and volleyball.	
PED 141 Self Defense	1 hour
Every semester. A course designed to teach basic techniques in self defense including grabs, throws, chokes and sweeps.	
PED 151 Karate	1 hour
Every semester. A course designed to teach basic Karate. Students will be instructed in the fundamentals of upper body movements, kicks, katas, and sparring techniques as required for belt promotions.	
PED 161 Aerobics	1 hour
Every semester. Course is designed to introduce and develop fundamental skills and principles of aerobics; and to apply these skills to achieve overall fitness and personal health.	
PED 171 Water Aerobics	1 hour
Every semester. Course is designed to introduce and develop fundamental skills and principles of water aerobics and to apply these skills to achieve overall fitness and personal health.	
PED 181 Golf	1 hour
Every semester. Instruction and practice in stance, grip, stroke, teeing of the ball, and use of different clubs.	
PED 191 Archery	1 hour
Every semester. Instruction and practice in the fundamentals of archery.	
PED 211 Lifeguard Training	1 - 2 hours
Every Spring. Instruction and practice in training as a lifeguard. Upon successful completion of this course, students will receive American Red Cross Standard First Aid and CPR (one credit hour) and Lifeguard Training (one credit hour) certificates.	
PED 221 Intermediate Tennis	1 hour
Every semester. Instruction and practice in the fundamentals of tennis. Designed for those students who have some skill in the sport. Prerequisite: Instructor's approval.	
PED 231 Advanced Karate	1 hour
Every Spring. A course designed to assist the student in reaching blue or green belt through knowledge of Seiuchin and Naihanchi katas. Prerequisites: PED 141, PED 151.	

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 professional and bioscience specialties within the field, as well as literature and research and the basis of motor skills acquisition.	
PED 241 Advanced Self Defense	1 hour
Every Spring. A course designed to further the techniques learned in PED 141, with the addition of trapping techniques, knee and elbow strikes. Prerequisites: PED 141, PED 151.	
PED 245 Care and Prevention of Athletic Injuries	3 hours
Every Fall. A course designed to provide the students with a basic knowledge and understanding of the principles of sports medicine, the care and treatment of athletic trauma and the use of proper conditioning principles in the prevention of injury.	
PED 250 History and Philosophy of Karate	3 hours
Every Fall. A survey of the historical and philosophical backgrounds of Chinese and Okinawan martial arts compared with the American adaptation and incorporation of Christian values for the martial arts.	
PED 252 Teaching of Team Sports I	2 hours
Every Fall. Practice and skills in the sports of soccer and touch football for the physical education major and minor. Includes lesson planning, teaching techniques, evaluations, and proficiency in skills. Three class periods per week.	
PED 262 Teaching of Team Sports II	2 hours
Every Spring. Practice and skills in the sports of basketball and softball for the physical education majors and minors. Includes lesson planning, teaching techniques, evaluation and proficiency in skills. Three class periods per week.	
PED 272 Teaching Aquatic Skills (WSI)	2 hours
Every Spring. Practice and skills in the sport of swimming. Includes lesson planning, teaching procedures, 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 class periods per week.	
PED 282 Teaching of Individual Activities I	2 hours
Every Fall. Practice and skills in the activities of fitness and tennis for the physical education major or minor. Includes lesson planning, teaching procedures, evaluation techniques and proficiency in skills. Three class periods per week.	
PED 285 Teaching Karate Activities	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. Prerequisite: PED 250	

PED 292 Teaching of Individual Activities II	2 hours	PED 396 Physical Education Tutoring	2 hours
Every Spring. Practical skills in the activities of rhythms and aerobics for the physical education major or minor. Includes lesson planning, teaching techniques, evaluation and proficiency in skills. Three class periods per week.		Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis 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 310 Advanced Kata and Theory	1 hour	PED 399 Practicum	1 - 4 hours
Every Fall. A course designed as an extension of PED 231 emphasizing concepts and drills. Includes Seisan- and Seiuchin- Left, Wansu, and Sanchin Katas in preparation for purple and brown belt tests. Prerequisites: PED 231, PED 241, PED 250.		On demand. See page 38-39.	
PED 311 Sparring	1 hour	PED 401 Traditional Okinawan Weapons	1 hour
Every Spring. A course designed to incorporate basic self defense and karate fighting techniques in a safe, controlled environment. Prerequisite: PED 310.		Every Fall. A course designed to acquaint the student with a knowledge of basic traditional weapon forms including katas and advanced weapon combinations. Prerequisites: PED 231, PED 241, PED 250.	
PED 323 Athletic Coaching: Baseball	3 hours	PED 403 Physical Education in Elementary Grades	3 hours
Every Fall. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.		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, 4 hours Professional Activities.	
PED 333 Athletic Coaching: Basketball	3 hours	PED 413 Physical Education in Secondary School	3 hours
Every Fall. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.		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, 4 hours of Professional Activities.	
PED 335 Kinesiology	3 hours	PED 414 Advanced Athletic Training	3 hours
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: PED 240, BIO 201.		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 245, PED 335.	
PED 340 Physiology of Exercise	3 hours	PED 423 Organization and Administration of Physical Education	3 hours
Every Fall. A study of the effects of exercise on the body. It includes the study of responses and adaptations to exercise at the systemic as well as the subcellular level. Prerequisites: PED 335, BIO 202.		Every Spring. Designed for majors in physical education. Deals with possible administrative problems in departments of physical education in all types of educational institutions. Prerequisite: PED 413.	
PED 343 Sports Officiating	3 hours	PED 425 Theory of Prescribing Exercise	3 hours
Every Fall. A study of the rules and mechanics of officiating football, basketball, and baseball.		Every Spring. Theoretical basis and practical application of general principles of exercise prescription to various ages, fitness levels, and health states. Prerequisite: PED 335.	
PED 363 Physical Education for the Exceptional Child	3 hours	PED 496 Special Topics in Sports Medicine	2 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 240.		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 245, BIO 201, BIO 202.	
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 240.			

PED 497 **3 hours**
Internship in Martial Arts
 Every Spring. A course designed for the student to apply his knowledge and experience in a teaching environment under the supervision of a black-belt instructor. Periodic conferences and evaluations are scheduled with the supervising teacher. Prerequisites: PED 231, PED 241, PED 250, PED 285.

PED 499 **1 - 4 hours**
Independent Study
 On demand. See page 38.

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 Activity Leadership
 Every Fall. Games, contests, sports, arts and crafts for home, school, and community leisure time. Students will gain experience in special event planning and recreation leadership skills.

REC 302 **3 hours**
Church Recreation
 Every Spring. Also **MIN 302**. A course designed to give specific directions in program planning and techniques for setting up and implementing a total church recreation program.

REC 313 **3 hours**
Outdoor Recreation
 Summer, 1992, 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 **2 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 of the Department Chair and the Tutor Program Coordinator.

REC 423 **3 hours**
Recreation Administration and Facility Management
 Every Spring. A study of the philosophy, scope, and basic values of recreation, its organization and administration. Study of planning, operation, safety issues and management of public, private, volunteer, church, community, military, and commercial facilities, including community centers, swimming pools, crafts centers, roller and ice rinks, court areas, and game fields. Prerequisites: REC 203, and REC 213 or REC 302.

REC 425 **3 hours**
Recreation for Special Populations
 Fall, 1991, and alternate years. A course designed to develop methods and techniques of leading therapeutic recreation activities in institutions. Emphasis is also placed on the activities and programs to be included. Prerequisites: REC 203, and REC 213 or REC 302.

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 History and Social Sciences

Department Description

Degree Requirements

Behavioral Sciences

History

Justice Studies

Political Science

Psychology

Social Sciences

Sociology

Course Descriptions

History and Social Sciences



DEPARTMENT DESCRIPTION

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

The Justice Studies major and minor prepares individuals for positions in police work, corrections and courts.

A student who desires to prepare for a career in law or in another profession requiring a legal education may take his undergraduate pre-law work at Grand Canyon University. Basic objectives of pre-legal education should include the development of comprehension and articulate communication, critical understanding of human institutions, and analytical skills.

The minimum requirements for admission to law school vary from three years of college preparation to a college degree. A broad preparation in English, history, political science, and economics is recommended. Whenever possible, a course of study should be arranged to fit the particular suggestions and requirements of the law school which the student wishes to attend.

Semesters in Washington, D.C. or Latin America

In addition to courses at Grand Canyon University, the department, through the Christian College Coalition, offers an American Studies Program in Washington, D. C. and a Latin American Studies Program in San Jose, Costa Rica. A more detailed description of these two programs is found on page 7-8. Interested students should pick up application forms and application deadline information from department faculty.

MINOR REQUIREMENTS — * BEHAVIORAL SCIENCES

SOC 101	Introduction to Sociology	3 hours
SOC 313	Cultural Anthropology or	
483	History of Social Thought	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

* Not recommended for prospective teachers in secondary education.

DEGREE REQUIREMENTS — HISTORY (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

History Major

HIS 101	Western Civilization to 1815	3 hours
HIS 102	Western Civilization since 1815	3 hours
HIS 103	Early American History	3 hours
HIS 104	Recent American History	3 hours
HIS 321	Ancient and Medieval History	3 hours
HIS 401	History Seminar	3 hours
* HIS —	History Electives	
	(12 hours must be Upper Division)	15 hours

Total Major Hours 33

* There may be six (6) hours of electives from Political Science 323, 333, 343.

MINOR REQUIREMENTS — HISTORY

HIS 101	Western Civilization to 1815	3 hours
HIS 102	Western Civilization since 1815	3 hours
HIS 103	Early American History	3 hours
HIS 104	Recent American History	3 hours
HIS 321	Ancient and Medieval History	3 hours
HIS —	Upper Division History Electives	6 hours

Total Minor Hours 21

DEGREE REQUIREMENTS — JUSTICE STUDIES (B.S. DEGREE)

Recommend completion of ENG 101 (Grammar and Composition), ENG 102 (Composition and Literature), and passing of Writing Proficiency Examination prior to beginning Justice Studies major. Students must also have 45 semester hours of college work with a minimum GPA of 2.0.

General Studies (pg. 46-47)

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

Minor Required

Justice Studies Major

JUS 100	Intro. to the Justice System	3 hours
JUS 200	Issues in Justice Studies	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 440	Criminal Justice Administration	3 hours
JUS 462	Procedural Criminal Law	3 hours
JUS 495	Internship in Justice Studies	4 hours
JUS 498	Social Research (SOC 496)	3 hours

One elective from the following:

JUS 496	Special Topics in Justice Studies	
SOC/PSY 363	Intro. to Probability and Statistics	
SOC 341	Social Problems	3 hours

Total Major Hours 34

MINOR REQUIREMENTS — JUSTICE STUDIES

JUS 100	Intro. to the Justice System	3 hours
JUS 200	Issues in Justice Studies	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 495	Internship in Justice Studies	4 hours
JUS 498	Social Research (SOC 496)	3 hours

Total Minor Hours 25

MINOR REQUIREMENTS — POLITICAL SCIENCE

POS 203	Federal and Arizona Government	3 hours
POS —	Political Science Electives	
	(6 hours must be Upper Division)	15 hours

Total Minor Hours 18

DEGREE REQUIREMENTS — PSYCHOLOGY (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Psychology Major

PSY 101	General Psychology	3 hours
PSY 253	Personality Development	3 hours
PSY 350	Social Psychology	3 hours
PSY 363	Intro. to Probability and Statistics	3 hours
PSY 367	Experimental Psychology	4 hours
PSY 414	History and Systems of Psychology	3 hours
PSY —	Upper Division Psychology Electives	6 hours

One course from each of the following areas: 9 hours

Clinical

PSY 315	Personality Psychology	
PSY 443	Fundamentals of Counseling and Guidance	
PSY 466	Abnormal Psychology	
PSY 496	Special Topic: Psychology of Death and Dying	

Developmental		
PSY 341	Lifespan Development	
PSY 353	Child Psychology	
PSY 373	Adolescent Psychology	
Experimental Psychology		
PSY 324	Learning and Cognition	
PSY 327	Physiological Psychology	
PSY 415	Sensation and Perception	

Total Major Hours 34

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

DEGREE REQUIREMENTS — SOCIAL SCIENCES (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Social Sciences Major

ECN 201	Principles of Economics - Macro	3 hours
GEO —	Geography Elective	3 hours
HIS 101	Western Civilization to 1815	3 hours
HIS 102	Western Civilization since 1815	3 hours
HIS 103	Early American History	3 hours
HIS 104	Recent American History	3 hours
POS 203	Federal and Arizona Government	3 hours
SOC 101	Introduction to Sociology	3 hours
SOC 341	Social Problems	3 hours
— —	Upper Division Electives chosen from GEO, HIS, POS, PSY, SOC	12 hours

Total Major Hours 39

MINOR REQUIREMENTS — * SOCIAL SCIENCES

ECN 201	Principles of Economics - Macro	3 hours
GEO —	Geography Elective	3 hours
HIS 101, HIS 102	Western Civilization to 1815, Western Civilization since 1815 or	
HIS 103, HIS 104	Early American History, Recent American History	6 hours
POS 203	Federal and Arizona Government	3 hours
SOC 101	Introduction to Sociology	3 hours

Total Minor Hours 18

* Three (3) hours must be Upper Division

DEGREE REQUIREMENTS — SOCIOLOGY (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Sociology Major

SOC 101	Introduction to Sociology	3 hours
SOC 341	Social Problems	3 hours
SOC 363	Intro. to Probability and Statistics	3 hours
SOC 483	History of Social Thought	3 hours
SOC 496	Social Research	3 hours
* SOC —	Upper Division Sociology Electives	18 hours

Total Major Hours 33

* Only three (3) hours of the six (6) hour sequence SOC 420/421 may count toward the major.

MINOR REQUIREMENTS — SOCIOLOGY

SOC 101	Introduction to Sociology	3 hours
SOC 341	Social Problems	3 hours
* SOC —	Sociology Electives (6 hours must be Upper Division)	12 hours

Total Minor Hours 18

* Only three (3) hours of the six (6) hour sequence SOC 420/421 may count toward the minor.

GEOGRAPHY

GEO 111 3 hours

Physical Geography

Every semester. 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 3 hours

World Geography

Every semester. A study of the division of the physical environment and of the relationship of man to each division in the major geographic areas of the world.

GEO 396 2 hours

Geography 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.

GEO 399 1 - 4 hours

Practicum

On demand. See page 38-39.

GEO 421 3 hours
Geography of the Southwestern United States
 Summer, 1992, and alternate years on demand. A geographic study of the six states of the southwestern United States — Arizona, California, Colorado, Nevada, New Mexico, and Utah. A study of the climate, ecosystems, soils, geology, landforms, tectonic processes, and agents of erosion; and their influence on man and his environment.

GEO 499 1 - 4 hours
Independent Study
 On demand. See page 38.

HISTORY

HIS 101 3 hours
Western Civilization to 1815
 Every semester. The Renaissance and Reformation are studied and related to the transition from medieval to early modern world. Attention is given to the rise of the centralized national state, to the rise and decline of absolutism, and to intellectual, political, and industrial revolutions of Europe and their impact upon the world into which Europe expanded.

HIS 102 3 hours
Western Civilization Since 1815
 Every semester. A continuation of **HIS 101** but students need not have taken **HIS 101** before taking **HIS 102**. A study of the swiftly changing tides of events that characterize the world of today. Emphasis placed on the role of the United States in the 20th century.

HIS 103 3 hours
Early American History
 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 3 hours
Recent American History
 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 303 3 hours
Baptist and American Church History
 Spring, 1992, and alternate years. Also **HTH 303**. Continuation of **HIS 353**. Follows the progress of the Christian movement from Europe to the American colonies. The major emphasis is on the development of Baptists and Evangelical Christianity in the United States.

HIS 312 3 hours
Foundations of Western Thought
 Fall, 1991, 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: **PHI 101** or instructor's approval.

HIS 317 3 hours
Studies in the Non-Western World
 On demand. A study of aspects of the non-western world. Geographic areas studied will vary. Emphasis will be on culture, history, and contemporary situations.

HIS 321 3 hours
Ancient and Medieval History
 Fall, 1991, and alternate years. A survey of the Western Civilization during the Ancient and Medieval World. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered.

HIS 333 3 hours
The Renaissance and Reformation
 Spring, 1992, and alternate years. A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic and Counter Reformations; rise of nationalism and capitalism. Prerequisite: **HIS 101**.

HIS 352 3 hours
History of England to 1714
 Fall, 1992, and alternate years. A study of the origin and the development of the English people, with particular attention given to their political, social, economic, and cultural institutions and their interaction with continental Europe. Prerequisite: **HIS 101** or instructor's approval.

HIS 353 3 hours
History of Christianity
 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.

HIS 373 3 hours
Latin American History
 Spring, 1992, and alternate years. A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, the wars of independence and Latin American republics from the era of independence to the present. Prerequisite: 3 hours of history.

HIS 383 3 hours
Economic History of the United States
 Fall, 1992, and alternate years. Also **ECN 383**. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: **ECN 202**, **HIS 103**, **HIS 104**.

HIS 396 2 hours
History 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.

HIS 401 **3 hours**
History Seminar

Every Spring. An exploration of the historical discipline. Students study the meaning and interpretation of history, methodology and career opportunities. Prerequisites: HIS 101, HIS 102, HIS 103, HIS 104, 6 hours of Upper Division history.

HIS 413 **3 hours**
Russia and Eastern Europe

Fall, 1991, and alternate years. A study of the Russian peoples and their rulers from the earliest times to the present. Prerequisites: HIS 101, HIS 102.

HIS 416 **3 hours**
American Diplomatic History

Spring, 1992, and alternate years. Also **POS 416**. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisites: 6 hours of history or political science.

HIS 417 **3 hours**
Constitutional History of the United States

Fall, 1993, and alternate years. Also **POS 417**. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the constitution by the courts. Prerequisites: 6 hours of history or political science.

HIS 493 **3 hours**
The West in American History

Spring, 1993, and alternate years. A study of the westward movement: the advancing frontier and western political, economic, and social development from the colonial period to the 20th century. Prerequisites: HIS 103, HIS 104.

HIS 495 **3 hours**
Special Topics in European History

Summer, 1992, and alternate years. Topics of interest to historians, not covered in depth in other courses will be considered. Examples of topics might include: 20th century Europe, Modern Britain, and problems in European history. May be repeated for credit. Prerequisite: Instructor's approval.

HIS 496 **3 hours**
Special Topics in American History

Summer, 1991, and alternate years. Topics of interest to historians, not covered in depth in other courses will be considered. Examples of topics might include: the Contemporary United States, and history of the South. May be repeated for credit. Prerequisite: Instructor's approval.

HIS 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

JUSTICE STUDIES**JUS 100** **3 hours**
Introduction to the Justice System

Every Fall. Overview of police, courts, and corrections, the three components that make up the criminal justice system.

JUS 200 **3 hours**
Issues in Justice Studies

Every Spring. Issues, techniques, and trends of the criminal justice system. Prerequisite: JUS 100 or instructor's approval.

JUS 303 **3 hours**
Theory of Criminal Justice

Spring, 1993, and alternate years. An examination of the criminal justice system with emphasis on the psychological, biological, and social causes of crime. Prerequisites: JUS 100, JUS 200, and one Upper Division justice studies course or instructor's approval.

JUS 306 **3 hours**
The Police Function

Fall, 1991, and Spring, 1993. Objectives, strategies, programs, roles, perspectives, and the interagency relationships of the police. Prerequisites: JUS 100, JUS 200, or instructor's approval.

JUS 308 **3 hours**
The Adjudication Function

Spring, 1992, and Fall, 1993. In depth study of the objectives, processes, settings, roles, and perspectives of the courts, prosecution and defense. Prerequisites: JUS 100, JUS 200, or instructor's approval.

JUS 310 **3 hours**
The Correctional Function

Fall, 1992, and Spring, 1994. The workings of the court system as it relates to the offender. Prerequisites: JUS 100, JUS 200, or instructor's approval.

JUS 396 **2 hours**
Justice Studies Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisite: Approval of the Department Chair and the Tutor Program Coordinator.

JUS 440 **3 hours**
Criminal Justice Administration

On demand. Analysis of organization structures in police, courts, and corrections. Management and administrative policies of criminal justice agencies are examined. Prerequisites: JUS 100, JUS 200, and one Upper Division justice studies course, or instructor's approval.

JUS 462 **3 hours**
Procedural Criminal Law

Fall, 1992, and Spring, 1994. Study of the criminal process as it relates to the constitution. Prerequisites: JUS 100, JUS 200, or instructor's approval.

JUS 495 **4 hours**
Internship in Justice Studies

On demand. Placement of students in a criminal justice or related agency to further the student's integration of theory with practice. Prerequisites: JUS 100, JUS 200, and 6 hours of upper division justice studies courses.

JUS 496 **3 hours**
Special Topics in Justice Studies

On demand. In depth study of chosen topics. Prerequisites: JUS 100, JUS 200, and one Upper Division justice studies course, or instructor's approval. May be repeated for credit.

JUS 498 **3 hours**
Social Research

Every Fall. Also **SOC 496**. Investigation of techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results. Prerequisite: SOC 101.

JUS 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

POLITICAL SCIENCE

POS 203 **3 hours**
Federal and Arizona Government

Every semester and every Summer. A basic course in American and Arizona Governments. The course is designed to give the student a broad outline of the workings of the governments and to lay the groundwork for further studies. This course meets the teacher certification requirement for American and Arizona Government.

POS 252 **2 hours**
Federal Government

Every semester and every Summer. The first half of **POS 203**, a survey of American Government. This half meets the teacher certification requirement for American Government.

POS 262 **1 hour**
Arizona Government

Every semester and every Summer. The second half of **POS 203**, a survey of Arizona History and Government. This half meets the teacher certification requirement for Arizona Government.

POS 323 **3 hours**
International Relations

Fall, 1991, and alternate years. 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.

POS 333 **3 hours**
Early Political Thought

Fall, 1992, and alternate years. A study of the evolution of European and American political doctrines, with special attention given to the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights and democracy. From classical origins through the 18th century enlightenment. Prerequisites: 6 hours of history or political science.

POS 343 **3 hours**
Contemporary Political Thought

Spring, 1993, and alternate years. Continuation of **POS 333**. Deals with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and to the study of socialism, communism, and fascism in the modern world. Prerequisite: POS 333 or sufficient work in history or philosophy to provide an adequate background.

POS 396 **2 hours**
Political Science 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.

POS 399 **1 - 4 hours**
Practicum

On demand. See page 38-39.

POS 416 **3 hours**
American Diplomatic History

Spring, 1992, and alternate years. Also **HIS 416**. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisites: 6 hours of history or political science.

POS 417 **3 hours**
Constitutional History of the United States

Fall, 1993, and alternate years. Also **HIS 417**. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. Prerequisites: 6 hours of history or political science.

POS 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

PSYCHOLOGY

PSY 101 **3 hours**
General Psychology

Every semester. A foundation course in the science of behavior. Includes a study of the origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments constitute a basic part of the course.

PSY 253 **3 hours**
Personality Development

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

PSY 315 3 hours**Personality Psychology**

Spring, 1993, and alternate years. A study of the nature and causal determinants of human behavior, including the definition and scientific measurement of personality. Theories studied will include the psychodynamic, neo-Freudian, trait and factor, cognitive, and behavioral theories. The Christian perspective on the nature of human personality will also be explored. Prerequisite: PSY 101.

PSY 324 3 hours**Learning and Cognition**

Every Fall. The study of theoretical and empirical problems of human learning and cognitive behavior. The nature of learning processes, transfer, memory, information processing, concept attainment, and problem solving will be explored. Prerequisite: PSY 101.

PSY 327 3 hours**Physiological Psychology**

Fall, 1992, and alternate years. A course emphasizing the relationship between brain and behavior. Role of genetic, neural, hormonal, and physiological processes in sensation, perception, motivation, and learning will be discussed within the context of recent research. Prerequisite: BIO 201.

PSY 333 3 hours**Psychology of Religion**

Spring, 1992, and alternate years. Also **HTH 333**. Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship, and principles of leadership.

PSY 341 3 hours**Lifespan Development**

Every Fall. 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).

PSY 350 3 hours**Social Psychology**

Every Spring. Also **SOC 350**. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. Prerequisite: PSY 101 or SOC 101.

PSY 353 3 hours**Child Psychology**

Every semester and every Summer. An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work, and play in child life; and the synthesis and integration of personality. May not be taken with prior credit in Lifespan Development (PSY 341). Prerequisite: PSY 101.

PSY 363 3 hours**Introduction to Probability and Statistics**

Every semester. Also **SOC 363**. A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical tests. Prerequisite: MAT 120 or equivalent.

PSY 367 4 hours**Experimental Psychology**

Every Spring. A laboratory course emphasizing both the theoretical and applied aspects of experimental design and research methodology. A variety of experiments will be performed in such areas as learning, motivation, and perception. Prerequisites: PSY 101, PSY 363.

PSY 373 3 hours**Adolescent Psychology**

Every semester. An examination of the meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescence; and the guidance and control of adolescent behavior. Prerequisite: PSY 101.

PSY 396 2 hours**Psychology Tutoring**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

PSY 414 3 hours**History and Systems of Psychology**

Every Spring. A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Prerequisites: PSY 101 and 9 hours of Upper Division psychology.

PSY 415 3 hours**Sensation and Perception**

On demand. Theories, issues, research findings and methodology in the study of perception and the related area of sensory functioning. Emphasis is placed on visual and auditory perception. Topics include psychophysics, sensory coding, adaptation, attention, sensory and perceptual judgments, the perception of space, motion, and color. Application of perception to interpersonal relationships. Prerequisite: PSY 101.

PSY 420/421 **6 hours**
Principles of Residential Treatment of Adolescents I & II

On demand. Also **SOC 420/421**. A specialized course dealing with the needs for, the types of clients served in, and methods of treatment of adolescents in residential settings. An experiential component of 45-60 hours per semester is an integral part of the course and is conducted at the Arizona Baptist Children's Services facility adjacent to the University. Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hours) may be applied to any one major or minor. No previous or subsequent Internship (**SOC 497/PSY497/JUS 495**) can be in a residential treatment of adolescents' setting. (State law requires anyone working with juveniles to be fingerprinted by the appropriate state office and pay the cost of that process, approximately \$20. Details will be provided at the first class meeting.) Prerequisites: **PSY 443**, **SOC 341**, or one Justice Studies course.

PSY 430 **3 hours**
Industrial Psychology

Spring, 1993, and alternate years. The application of social and organizational psychological methods and principles to business and industry. Topics to be covered include human behavior at work, personnel selection and evaluation, motivation and job satisfaction, management philosophies, employee-management relationships, job evaluation, work and equipment design, working conditions, accident and human errors, and consumer psychology. Prerequisite: **PSY 101**.

PSY 443 **3 hours**
Fundamentals of Counseling and Guidance

Every Spring. Designed for teachers, ministers, business persons, industrial workers, or workers in sociology. Emphasis is placed on the proper use of psychology as a tool for guidance by persons in various occupations. Prerequisite: **PSY 101**.

PSY 466 **3 hours**
Abnormal Psychology

Every Fall. Designed to help the student to understand mental illness and to prevent mental illness by a better awareness of the emotional, functional, and physiological factors influencing mental health. Prerequisite: **PSY 101**.

PSY 496 **3 hours**
Special Topics in Psychology

Summer, on demand. Topics of interest to psychologists but not covered in depth in other courses will be considered. Examples of topics include: motivation and emotion, psychology of death and dying, and psychological testing.

PSY 497 **1 - 4 hours**
Internship in Psychology

Every semester. The student is placed with an agency or organization in the community to gain practical insights and experience to complement their classroom learning. Every effort is made to place the student in a setting corresponding to their interests or career goals. May be repeated for credit. Prerequisite: Instructor's approval.

PSY 498 **1 - 4 hours**
Independent Study

On demand. See page 38.

SOCIOLOGY

SOC 101 **3 hours**
Introduction to Sociology

Every semester. An introduction to the concepts, theories, and methods used by sociology to describe, explain, and understand human behavior in groups. Emphasis is placed on how sociology is used in everyday living and in social service careers.

SOC 313 **3 hours**
Cultural Anthropology

Spring, 1993, and alternate years. A study of social cultures which have developed in human society. Attention is given to preliterate peoples in comparison with our own and other cultures. The origin and development of the cultures, their technologies, economies, social organizations, and beliefs are surveyed. Prerequisite: **SOC 101**.

SOC 333 **3 hours**
Marriage and the Family

Every Fall. A sociological analysis of the family, designed to contribute to an understanding of its origin, structure, and functions and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the adjustments necessary to successful marriage and family life. Prerequisite: **SOC 101** or Junior status.

SOC 341 **3 hours**
Social Problems

Every Spring. A survey of the various issues and problems faced by contemporary American society including poverty, war, inequality, crime, energy and food shortages, sexual behavior, and drug and alcohol abuse. A cross-cultural perspective will be employed to further an understanding of the history, nature, and possible solutions of these social problems. Prerequisite: **SOC 101**.

SOC 350 **3 hours**
Social Psychology

Every Spring. Also **PSY 350**. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. Prerequisite: **PSY 101** or **SOC 101**.

SOC 353 **3 hours**
Urban Sociology

Fall, 1991, and alternate years. An analysis of the evolution of the city, together with the specific problems encountered in the process. An examination of the role of the church in this process will be considered. Urban renewal and projected plans for the city of the future will also be of concern. Prerequisite: **SOC 101**.

SOC 363 **3 hours**
Introduction to Probability and Statistics

Every semester. Also **PSY 363**. A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: **MAT 120** or equivalent.

SOC 384 **Human Ecology** **4 hours**

Every Fall. Also **BIO 384**. A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences. Three hours lecture, three hours laboratory per week.

SOC 396 **Sociology 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.

SOC 401 **Drug Abuse Seminar** **3 hours**

Every Spring. Also **HLT 401**. 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.

SOC 420/421 **Principles of Residential Treatment of Adolescents I & II** **6 hours**

On demand. Also **PSY 420/421**. A specialized course dealing with the need for, the types of clients served in, and methods of treatment of adolescents in residential settings. An experiential component of 45-60 hours per semester is an integral part of the course and is conducted at the Arizona Baptist Children's Services facility adjacent to the University. Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hours) may be applied to any one major or minor. No previous or subsequent Internship (SOC 497/PSY 497/JUS 495) can be in a residential treatment of adolescents' setting. (State law requires anyone working with juveniles to be fingerprinted by the appropriate state office and pay the cost of that process, approximately \$20. Details will be provided at the first class meeting.) Prerequisites: PSY 443, SOC 341, or one Justice Studies course.

SOC 423 **American Minority Peoples** **3 hours**

Fall, 1992, and alternate years. A study of the various minority groups in the United States and their sociological significance in our national group and culture. The history and present status of American immigration policy are also considered.

SOC 431 **Social Work** **3 hours**

Every Spring. An overview of the training, tasks, and opportunities in the profession of social work. The student will be introduced to the skills, knowledge base, and functional role of the social worker. Exposure to various settings of social work practice will be provided. Prerequisite: SOC 101.

SOC 448 **Sociology of Aging** **3 hours**

On demand. This class will explore the physical, psychological, social, economic, environmental, religious and programmatic aspects of aging. It is intended to provide the student with a broad background regarding the issues surrounding the topic of aging. Prerequisite: SOC 101.

SOC 483 **History of Social Thought** **3 hours**

Every Spring. A study of social thought from ancient to modern times, with an emphasis on 20th century social thought. This course investigates the background of modern sociology as it has been influenced by outstanding social thinkers. Prerequisite: SOC 101.

SOC 496 **Social Research** **3 hours**

Every Fall. Also **JUS 498**. 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 497 **Internship in Sociology** **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.

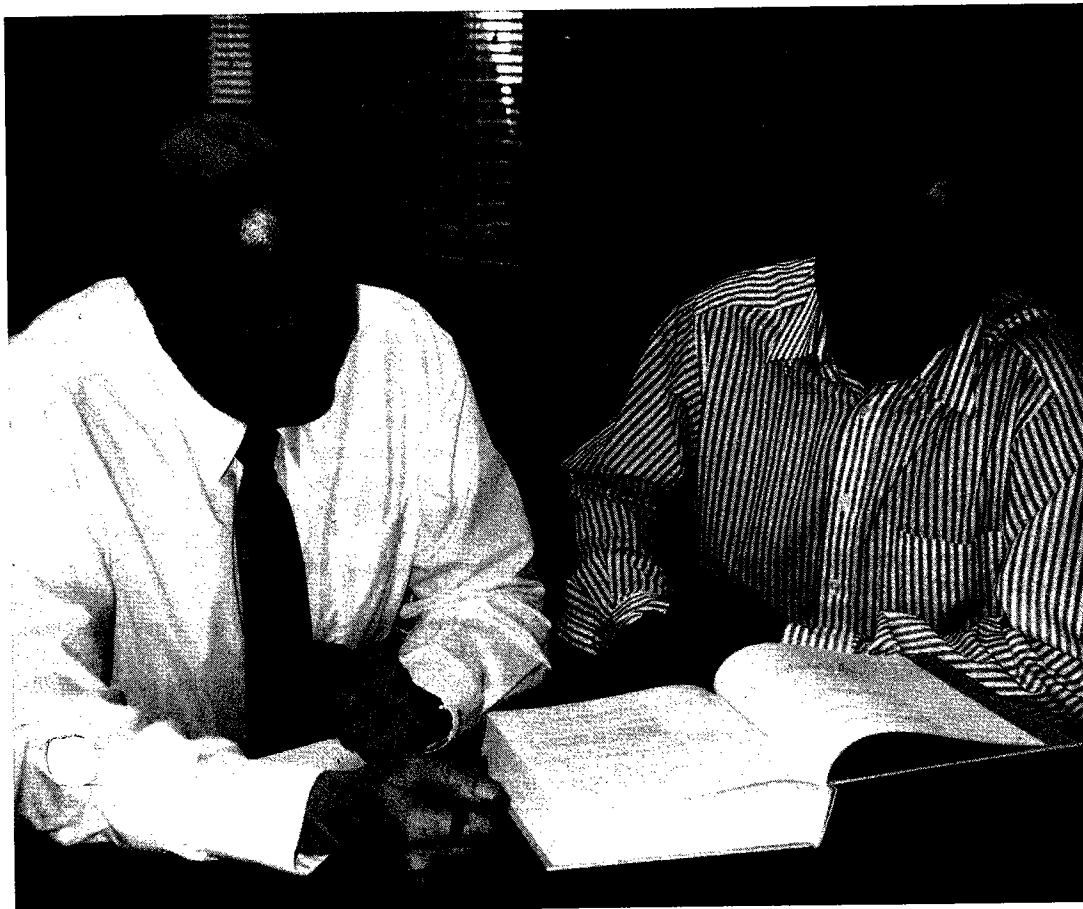
SOC 498 **Special Topics** **3 hours**

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, or Juvenile Delinquency. Prerequisites: SOC 101 or instructor's approval.

SOC 499 **Independent Study** **1 - 4 hours**

On demand. See page 38.

Department of Mathematics



Department Description

Degree Requirements

Mathematics

Mathematics for
Engineers

Mathematics for
Secondary Teachers

Course Descriptions

DEPARTMENT DESCRIPTION

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, scientific computation, statistics, operations research and other areas. Themes of structure, randomness and chaos, techniques of computation, analysis and visualization, and modes of thought involving proof, counterexample, 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 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.

The Department of Mathematics offers majors in mathematics, mathematics for engineers, and mathematics for secondary teaching. These majors prepare students for graduate study or employment in teaching, industry, business or government. An individualized major which emphasizes a certain application area such as scientific computation, actuarial science, operations research, or pure mathematics, and also fulfills departmental standards may be designed in consultation with the department. An individualized program may also 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. The department also provides courses in mathematics for students with other majors.

Current areas of expertise and interest among the mathematics faculty include scientific computation, dynamical systems, differential geometry and topology, chaos, fractals and iterations, mathematics education, and applied mathematics. Students have the opportunity to enhance their contact with faculty, other math students and the national mathematical community 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 6410 computer and terminals, approximately 50 IBM compatible PCs, other micro-computers, and a Motorola 6000 running a UNIX operating system.

DEGREE REQUIREMENTS — MATHEMATICS (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Mathematics Major

CSC 100	Intro. to Computer Science I	3 hours
CSC 201	Computer Prog. Language (Fortran)	1 hour
MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 300	Intro. to Mathematical Thought	3 hours
MAT 342	Linear Algebra	3 hours
MAT 363	Probability and Statistics	3 hours
MAT 371	Advanced Calculus I	3 hours
MAT 372	Advanced Calculus II	3 hours
MAT 373	Differential Equations	3 hours
MAT 443	Abstract Algebra	3 hours
MAT —	Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483)	9 hours
* PHY 115	University Physics I	4 hours
* PHY 116	University Physics II	4 hours

Total Major Hours 54

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

DEGREE REQUIREMENTS — * MATHEMATICS FOR SECONDARY TEACHERS (B.S. DEGREE)

General Studies For Teacher Education Programs (pg.

Minor Required

Secondary Certification Required

Mathematics for Secondary Teachers Major

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 300	Intro. to Mathematical Thought	3 hours
MAT 310	College Geometry	3 hours
MAT 342	Linear Algebra	3 hours
MAT 363	Probability and Statistics	3 hours
MAT 371	Advanced Calculus I	3 hours
MAT 373	Differential Equations	3 hours
MAT 443	Abstract Algebra	3 hours
MAT 483	Mathematics in the Secondary School	3 hours
CSC 100	Intro. to Computer Science I	3 hours
+PHY 115	University Physics I	4 hours
+PHY 116	University Physics II	4 hours

Total Major Hours 47

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

+ An alternate application sequence may be planned with department consultation and written approval.

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

General Studies (pg. 46-47)

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

Minor Required

Mathematics for Engineers Major

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 342	Linear Algebra	3 hours
MAT 373	Differential Equations	3 hours
MAT —	Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483)	12 hours
EGN 105	Intro. to Languages of Engineering	3 hours
EGN 106	Intro. to Computer Aided Engineering	3 hours
EGN 211	Statics	3 hours
EGN 312	Dynamics	3 hours
PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 441	Physical Chemistry I	4 hours
CHM 442	Physical Chemistry II	4 hours

Total Major Hours 66

* 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.

MINOR REQUIREMENTS — * MATHEMATICS

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 342	Linear Algebra	3 hours
MAT —	Electives from MAT 272, CSC 101, or Upper Division Mathematics + (Excluding MAT 396 and MAT 483; not less than 3 hours Upper Division Mathematics)	9 hours
Total Minor Hours		20

* 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.

SUGGESTED CURRICULUM PLAN FOR MAJOR COURSES (See catalog for General Studies and other University requirements.)

FRESHMAN YEAR

Fall		
MAT 270	Calculus I	
CSC 100	Introduction to Computer Science I	
Spring		
MAT 271	Calculus II	
CSC 201	Fortran Module	

SOPHOMORE YEAR

Fall		
MAT 272	Calculus III	
MAT 342	Linear Algebra	
PHY 115	University Physics I	
Spring		
MAT 300	Introduction to Mathematical Thought	
MAT 373	Differential Equations	
PHY 116	University Physics II	

JUNIOR YEAR

Fall		
MAT 443	Abstract Algebra	
MAT —	Mathematics Elective	
Spring		
MAT 363	Probability and Statistics	
MAT 464	Numerical Methods	

SENIOR YEAR

Fall		
MAT 371	Advanced Calculus I	
MAT —	Mathematics Elective	
Spring		
MAT 372	Advanced Calculus II	
MAT —	Mathematics Elective	

ENGINEERING

EGN 105 **3 hours**
Introduction to Languages of Engineering
On demand. Computer programming using Fortran-77, freehand drawing, visualization and computer graphics.

EGN 106 **3 hours**
Introduction to Computer-Aided Engineering
On demand. An introduction to computer-aided analysis and design using appropriate software packages. Modeling, optimization, and graphic documentation will also be examined. Prerequisite: EGN 105.

EGN 211 **3 hours**
Engineering Mechanics I: Statics
On demand. Statics involves the study of forced systems, resultants, equilibrium, distributed forces, area moments, internal stresses and friction. Prerequisites: MAT 272, PHY 116.

EGN 312 **3 hours**
Engineering Mechanics II: Dynamics
On demand. Dynamics involves the study of the kinematics of particles, translating and rotating coordinate systems, rigid body kinematics, and energy/momentum principles. Prerequisite: EGN 211.

MATHEMATICS

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

MAT 113 **3 hours**
Liberal Arts Mathematics I
Every semester. An introduction to various mathematical concepts, with emphasis on the methods and processes of mathematics. Topics from sets, logic, functions, and mathematical systems are included.

MAT 114 **3 hours**
Liberal Arts Mathematics II
Every semester. A continuation and extension of the mathematical topics presented in **MAT 113**, with an emphasis on the development of the problem-solving process. Topics from informal geometry, elementary probability and statistics, consumer mathematics, and applications of technology (computers and calculators) are included. This course also requires that a prescribed proficiency level be met on essential skills. Prerequisite: MAT 113 or instructor's approval.

MAT 120 **3 hours**
Intermediate Algebra
Every semester. Topics from basic algebra: linear equations, polynomials, quadratic equations, systems of equations, exponents, roots, and radicals. Prerequisite: Placement counseling or one year of high school algebra.

MAT 121 **College Algebra** **3 hours**

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

MAT 122 **College Trigonometry** **2 hours**

Every Spring. 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 120 or high school equivalent.

MAT 210 **Business Calculus** **4 hours**

Every Spring. Differential and integral calculus of elementary functions. Focus on applications. Prerequisite: MAT 121 or high school equivalent.

MAT 270 **Analytical Geometry and Calculus I** **4 hours**

Every Fall. A study of concepts of limits, differentiation and integration of algebraic and elementary functions. Prerequisites: MAT 121, MAT 122 or high school equivalent.

MAT 271 **Analytical Geometry and Calculus II** **4 hours**

Every Spring. A continuation of **MAT 270**, covering the techniques of integration, infinite series, and solid analytic geometry. Prerequisite: MAT 270 or equivalent.

MAT 272 **Analytical Geometry and Calculus III** **4 hours**

Every Fall. A study of partial differentiation and multiple integration with an introduction of vector analysis and differential equations. Prerequisite: MAT 271 or equivalent.

MAT 300 **Introduction to Mathematical Thought** **3 hours**

Every Spring. An introduction to the basic structures of mathematical thought including logic and proofs, set theory, relations and functions, selected topics from modern algebra, and the real number system. Emphasis is on the student's ability to read, write, and discuss mathematical ideas. Prerequisites: MAT 270, MAT 271.

MAT 310 **College Geometry** **3 hours**

Fall, 1991, 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 315 **Discrete Mathematics** **3 hours**

On demand. A blend of discrete and continuous mathematics to facilitate the manipulation of formulas, and to provide techniques for solving problems. Topics include recurrences, elementary number theory, generating functions, discrete probability, and asymptotic methods. Prerequisite: MAT 270.

MAT 342 **Linear Algebra** **3 hours**

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 **Probability and Statistics for Mathematics and Science** **3 hours**

Spring, 1992, and alternate years. A study of elementary theories of probability, distribution, estimation, and testing of statistical hypotheses. Prerequisite: MAT 271.

MAT 371 **Advanced Calculus I** **3 hours**

Fall, 1992, and alternate years. Sets, functions, the real numbers, topological ideas, sequences, limits, continuity, and differentiation. Prerequisites: MAT 272, MAT 300.

MAT 372 **Advanced Calculus II** **3 hours**

Spring, 1993, and alternate years. Integration, series, uniform convergence and selected additional topics in analysis. Prerequisite: MAT 371.

MAT 373 **Differential Equations** **3 hours**

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 **Mathematics 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.

MAT 443 **Abstract Algebra** **3 hours**

Fall, 1991, and alternate years. An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: MAT 300 or instructor's approval.

MAT 461 **Complex Analysis** **3 hours**

Spring, 1993, 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 **Partial Differential Equations** **3 hours**

Fall, 1992, 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, 1992, 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, 1992, and alternate years. Topics in geometry, number theory, algebra, and analysis. Emphasis is on the development of a problem-solving process and unifying principles. Teaching strategies, examination of secondary school curricular materials, and classroom experience will be included. Prerequisites: MAT 270, MAT 271.

MAT 496 **3 hours**

Advanced Topics in Mathematics

On demand. Upper Division topics such as History of Mathematics, Topology, Math Modeling, Number Theory, Advanced Algebra, Advanced Analysis, Advanced Linear Algebra, and Dynamical Systems will be offered. May be repeated for credit. Prerequisite: Instructor's approval.

MAT 498A/298A **1 - 3 hours**

Research/Projects in Applied Mathematics

MAT 498B/298B **1 - 3 hours**

Research/Projects in Mathematics

MAT 498D/298D **1 - 3 hours**

Research/Projects in Dynamical Systems

Every semester. A detailed study or project in Dynamical Systems, or some other area of the Mathematical Sciences. May be repeated for up to 9 hours credit, 3 of which may count toward electives in mathematics. Prerequisite: Instructor's approval.

MAT 499 **1 - 4 hours**

Independent Study

Every Semester. See page 38.

Department of Natural Sciences

Department Description

Requirements - Premedical

Degree Requirements

Biology (General)

Biology (Environmental)

Biology for Secondary
Teachers

Chemistry

Physics

Science Teaching

Course Descriptions



DEPARTMENT DESCRIPTION

The Department of Natural Sciences provides courses for students who specialize in biology, environmental biology, chemistry, premedicine and other health sciences, and science education. It prepares students for graduate study, medical or other professional training, employment in business, industry, government, or teaching.

The department also makes available to every student at Grand Canyon University a broad liberal arts introduction to the sciences. This introduction stresses the spirit, method, and concepts of science.

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

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

REQUIREMENTS — PREMEDICAL AND PRE-GRADUATE

PREPARATIONS FOR SCHOOLS OF MEDICINE, VETERINARY SCIENCE, AND DENTISTRY

Students who plan to apply to medical, 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. Jim Witherspoon and Mark Taylor. The advisors know the requirements of professional schools and the sequences of courses which students should or must take.

Medically-oriented students may major in biology, chemistry, or any other discipline. If they major in biology or chemistry, they are urged to minor in humanities or some other non-science area.

For full consideration by medical or veterinary schools, students should take 15 or more hours of courses per semester (with the possible exception of the freshman year) and maintain A and B grades. Medical programs are rigorous. Students must demonstrate that they can successfully and comfortably manage a full schedule, allowing time for studies, rest, and recreation.

Medical, 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	Grammar and Composition, Composition and Literature	6 hours

Because other courses may be required by particular schools, students are encouraged to determine these requirements 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 340	Genetics
BIO 360	Vertebrate Physiology
BIO 373	Mammalian Anatomy
BIO 332	Cell Biology
BIO 430	Developmental Biology
BIO 433	Histology
CHM 314	Analytical Chemistry
CHM 361	Biochemistry
MAT 270	Analytical Geometry and Calculus I
MAT 271	Analytical Geometry and Calculus II
PHI 329	Biomedical Ethics
SPC 113	Fundamentals of Speech

Students who plan to be physicians should consider part-time work, either voluntary or paid, in a hospital or clinic.

PREPARATION FOR SCHOOLS OF PHYSICAL THERAPY, OCCUPATIONAL THERAPY, MEDICAL TECHNOLOGY, OPTOMETRY, AND PHARMACY

Students who plan to apply to various schools of health sciences should obtain a premedical or biology advisor immediately upon entering Grand Canyon University or deciding upon their careers. The requirements for such programs are more diverse than for medical, veterinary, and dental schools. Most programs in physical therapy, for example, require Human Anatomy and Physiology in addition to General Biology. Consult your advisor about requirements for specific fields.

REQUIREMENTS FOR GRADUATE STUDY IN BIOLOGY

Students who plan to apply to graduate schools in biology should take all of the required courses in biology and others. 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 among their courses.

DEGREE REQUIREMENTS - BIOLOGY (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Biology Major

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 320	Fundamentals of Ecology	4 hours
BIO 332	Cell Biology	4 hours
BIO 340	Genetics	4 hours
BIO 360	Vertebrate Physiology	4 hours
BIO 401	Senior Seminar	2 hours
BIO —	Biology Electives	8 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
* PHY 111	General Physics I	4 hours
* PHY 112	General Physics II	4 hours
CSC 180	Microcomputer Applications	3 hours
+ MAT 270	Analytical Geometry and Calculus I	4 hours
ENG 301	Advanced Composition	3 hours

Total Major Hours 68

* PHY 115 and PHY 116 may be substituted.

+ PSY 363 may be substituted.

DEGREE REQUIREMENTS — ENVIRONMENTAL BIOLOGY (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

Environmental Biology Major

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	Vertebrate Physiology	4 hours
BIO 399	Environmental Biology Practicum	1 hour
BIO 401	Senior Seminar	2 hours
* BIO —	Biology Electives	12 hours
+ CHM 102	Intro. to Organic/Biochemistry	4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
**PHY 111	General Physics I	4 hours
**PHY 112	General Physics II	4 hours
CSC 180	Microcomputer Applications	3 hours
PSY 363	Introduction to Probability and Statistics	3 hours

ENG 301 Advanced Composition 3 hours

Total Major Hours 68

* Choose one of each of the paired courses:

BIO 426 Aquatic Ecology or BIO 384 Human Ecology

BIO 481 Vertebrate Zoology I or BIO 482 Vertebrate Zoology II

+ CHM 331 is required for Chemistry minors.

** PHY 115 and PHY 116 may be substituted.

DEGREE REQUIREMENTS —

* BIOLOGY FOR SECONDARY TEACHERS (B.S. DEGREE)

General Studies For Teacher Education Programs (pg. 114)

Minor Required

Secondary Certification Required

Biology for Secondary Teachers Major

BIO 181 General Biology I 4 hours

BIO 182 General Biology II 4 hours

BIO 201 Human Anatomy and Physiology I 4 hours

BIO 202 Human Anatomy and Physiology II 4 hours

BIO 320 Fundamentals of Ecology 4 hours

BIO 340 Genetics 4 hours

BIO 480 Methods of Teaching Biology

in Secondary School 3 hours

BIO — Upper Division Biology Elective(s) 4 hours

+ CHM 101 Introduction to Chemistry 4 hours

+ CHM 102 Intro. to Organic/Biochemistry 4 hours

CSC 180 Microcomputer Applications 3 hours

PHY 101 Introduction to Physical Science 4 hours

Total Major Hours 46

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

+ CHM 113 and 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

* Students desiring teaching certification should take 24 hours for a minor. Please refer to the College of Education for certification requirements.

DEGREE REQUIREMENTS - CHEMISTRY (B.S. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

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 361 Biochemistry 4 hours

CHM 401 Senior Seminar 2 hours

CHM 441 Physical Chemistry I 4 hours

CHM 442 Physical Chemistry II 4 hours

CSC 180 Microcomputer Applications 3 hours

ENG 301 Advanced Composition 3 hours

MAT 270 Analytical Geometry and Calculus I 4 hours

MAT 271 Analytical Geometry and Calculus II 4 hours

PHY 115 University Physics I 4 hours

PHY 116 University Physics II 4 hours

Total Major Hours 57

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) 4 hours

Total Minor Hours 20

* 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 — Physics Electives
(6 hours must be Upper Division) 12 hours

Total Minor Hours 20

* Students desiring teaching certification should take 24 hours for a minor. Please refer to the College of Education for certification requirements.

+PHY 111 and PHY 112 may be substituted.

++CHM 441 and CHM 442 may be taken.

DEGREE REQUIREMENTS - * SCIENCE TEACHING (B.S. DEGREE)

The teaching major or minor in science is designed to give prospective teachers a broad introduction to science rather than specializations in one field. It is particularly useful for teachers in grades 4 - 8 who will be teaching both life and physical sciences.

General Studies For Elementary Teacher Education Programs (pg. 114)

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

Elementary Certification Required

Science Teaching Major

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 384	Human Ecology	4 hours
CL 101	Introduction to Chemistry	4 hours
CHM 102	Introduction to Organic/Biochemistry	4 hours
CSC 180	Microcomputer Applications	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

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

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 hours
— —	Electives in Science (6 hours must be Upper Division)	8 hours

Total Minor Hours 24

* 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 the biology major.

BIO 181 4 hours
General Biology I

Every Fall. 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 II

Every Spring. 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, 1992, 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. A study of the structure and function of the following human systems: skeletal, muscular, nervous, endocrine. Three hours lecture, three hours lab. Ordinarily no credit for biology majors (except those in physical therapy). Majors take BIO 373 and BIO 360 instead.

BIO 202 4 hours
Human Anatomy and Physiology II

Every Spring. A study of the structure and function of the following human systems: cardiovascular, respiratory, digestive, urinary, and reproductive. Three hours lecture, three hours lab. Prerequisite: BIO 201 or instructor's approval. Ordinarily no credit for biology majors (except those in physical therapy). Majors take BIO 373 and BIO 360 instead.

BIO 205 4 hours
Microbiology

Every semester. An introduction to the principles and applications of microbiology, with a study of the general characteristics of microorganisms and their relationship to man. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182 or instructor's approval.

BIO 308 3 hours
Pathophysiology

Every Spring. 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 360 and BIO 205, or instructor's approval.

BIO 320 4 hours
Fundamentals of Ecology

Every Fall. 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 4 hours
Cell Biology

Spring, 1992, and alternate years. A comprehensive study of the composition, structure, regulation, and growth of eukaryotic cells. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

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, 1991, and alternate years. Morphology, life cycles, and adaptations of invertebrate organisms. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 360 4 hours
Vertebrate Physiology

Every Spring. 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 **Mammalian Anatomy** **2 hours**

Every Fall. A laboratory study of the structure of mammals, with the emphasis on humans. This limited enrollment course includes a dissection of human cadavers. Six hours lab. Prerequisites: BIO 181, BIO 182, and instructor's approval.

BIO 384 **Human Ecology** **4 hours**

Every Fall. Also **SOC 384**. A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences. Three hours lecture, three hours lab.

BIO 396 **Biology 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.

BIO 399 **Practicum** **1 - 4 hours**

On demand. See page 38-39.

BIO 401 **Senior Seminar** **2 hours**

Every semester. A course in which students study methods of writing and speaking, write one or more scholarly papers based on extensive review of scientific literature, and speak on the topic of the papers. Prerequisite: Open only to seniors who are biology or chemistry majors.

BIO 426 **Aquatic Ecology** **4 hours**

Spring, 1993, 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** **4 hours**

Spring, 1993, and alternate years. A comprehensive examination of topics in developmental biology, including genetic regulation, nucleocytoplasmic interactions, morphogenesis, pattern formation, and cell differentiation. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 433 **Histology** **4 hours**

Spring, 1992, and alternate years. A study of the microscopic structure and function of human tissues. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 480 **Methods of Teaching Biology in the Secondary School** **3 hours**

On demand. Methods of instruction, organization, and presentation of content in biology. Two hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

BIO 481 **Vertebrate Zoology I** **4 hours**

Fall, 1992, and alternate years. A study of the systematics, morphology, and ecology of fish, amphibians, and reptiles. Prerequisites: BIO 181, BIO 182.

BIO 482 **Vertebrate Zoology II** **4 hours**

Spring, 1993, and alternate years. Systematics, morphology and ecology of birds and mammals. Three hours lecture, three hours lab. Prerequisite: BIO 481.

BIO 496 **Advanced Topics in Biology** **1 - 4 hours**

On demand. Each year appropriate topics will be offered at an advanced level. May be repeated for credit. Credit will range from one to four credits depending on the topic. Prerequisite: Instructor's approval.

BIO 498 **Research in Biology** **1 - 3 hours**

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, consultation with and instructor's approval.

BIO 499 **Independent Study** **1 - 4 hours**

On demand. See page 38.

CHEMISTRY

CHM 101 **Introduction to Chemistry** **4 hours**

Every Fall. An introduction to the principles of chemistry designed for students without a strong background in chemistry. Topics covered include a survey of the chemical and physical properties of elements and compounds, chemical reactions, chemical energetics, acids and bases, and chemical bonding. Three hours lecture, three hours lab.

CHM 102 **Introduction to Organic and Biochemistry** **4 hours**

Every Spring. Continuation of **CHM 101**. Survey of the properties and reactions of organic compounds, with emphasis on the chemical nature of biological processes. Topics covered include identification and reactions of organic compounds, protein structure and function, carbohydrates and lipids, and nucleic acids, and the biological production and use of energy. Three hours lecture, three hours lab. Prerequisite: CHM 101.

CHM 113 **General Chemistry I** **4 hours**

Every Fall. An exploration of the principles of modern chemistry. Topics covered include the chemical and physical properties of elements and compounds, reaction stoichiometry, equilibria, and energetics, atomic and molecular structure. Three hours lecture, three hours lab. Prerequisite: A mathematics competency test is required prior to registration in this course.

CHM 115 General Chemistry II	4 hours
Every Spring. Continuation of CHM 113 . Topics include thermodynamics, descriptive chemistry of the elements, electrochemistry, nuclear chemistry, and kinetics. Three hours lecture, three hours lab. Prerequisite: CHM 113.	
CHM 314 Analytical Chemistry	5 hours
Every Fall. Principles of quantitative and instrumental analysis. Topics include titrametric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. Three hours lecture, six hours lab. Prerequisite: CHM 115.	
CHM 331 Organic Chemistry I	4 hours
Every Fall. Systematic study of the chemistry of carbon compounds. Structure, synthesis, reactions, and analysis of aliphatic and aromatic compounds are covered. Three hours lecture, three hours lab. Prerequisite: CHM 115.	
CHM 332 Organic Chemistry II	4 hours
Every Spring. Continuation of CHM 331 . Analysis and reactions of organic functional groups, and the relationship of structure to reaction mechanisms are covered. Three hours lecture, three hours lab. Prerequisite: CHM 331.	
CHM 361 Biochemistry	4 hours
Every Spring. Study of the chemical basis of biological processes. Topics covered include protein structure and function, carbohydrate and lipid chemistry, nucleic acids and genetic function, biological energy, production, and photosynthesis. Three hours lecture, four hours lab. Prerequisite: CHM 331.	
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 Department Chair and the Tutor Program Coordinator.	
CHM 399 Practicum	1 - 4 hours
On demand. See page 38-39.	

CHM 401 Senior Seminar	2 hours
Every semester. A course in which students study methods of writing and speaking, write one or more scholarly papers based on an extensive review of scientific literature and speak on the topic of the papers. Prerequisite: Open only to Seniors who are biology or chemistry majors.	
CHM 441 Physical Chemistry I	4 hours
Every Fall. A study of the physical and chemical behavior of gases, liquids, solids, and solutions. Treatment includes thermodynamics, electrochemistry, and the kinetic molecular theory of ideal and non-ideal gases. Three hours lecture, three hours lab. Prerequisites: CHM 115, MAT 271.	

CHM 442 Physical Chemistry II	4 hours
Every Spring. Continuation of CHM 441 . The development of modern atomic theory is studied, with emphasis on quantum theory, ligand fields, and molecular spectroscopy. Three hours lecture, three hours lab. Prerequisite: CHM 441.	
CHM 498 Research in Chemistry	1 - 3 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 38.	

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 Spring. A survey of physical science emphasizing applications of physics to modern life. Three hours lecture, three hours lab.	
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 nonscientific student; designed to develop an appreciation and understanding of the natural laws of the universe. Three hours lab, three hours lecture.	
PHY 111 General Physics I	4 hours
Every Fall. 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. Prerequisite: MAT 121.	
PHY 112 General Physics II	4 hours
Every Spring. Continuation of PHY 111 . Topics covered include wave motion, electrostatics, optics, and magnetism. Three hours lecture, three hours lab. Prerequisite: PHY 111.	

PHY 115**4 hours****University Physics I**

Every Fall. Rigorous treatment of physical principles and concepts using mathematical descriptions based on calculus. Topics covered include mechanics, thermodynamics, and wave motion. Three hours lecture, three hours lab. Prerequisite: MAT 271.

PHY 116**4 hours****University Physics II**

Every Spring. Continuation of **PHY 115**. Topics covered include electromagnetism, optics, and quantum theory. Three hours lecture, three hours lab. Prerequisite: PHY 115.

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 Department Chair and the Tutor Program Coordinator.

PHY 496**3 hours****Advanced Topics in Physics**

On demand. Courses such as modern physics, thermodynamics, or materials science will be offered. May be repeated for credit. Prerequisite: Instructor's approval.

PHY 498**1 - 3 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: Instructor's approval.

College of Business



College Description

Application Procedures

Internship Guidelines

General Business
Requirements

Degree Requirements

Accounting

Business Education

Economics

Finance

Human Resource
Development

International Business

Marketing

Course Descriptions

COLLEGE DESCRIPTION

The goal of the College of Business is to provide a quality education that will enable students to assume leadership positions in a variety of business, governmental, and non-profit organizations. Grand Canyon University's Christian foundation and its liberal arts emphasis provides an excellent environment for this type of education. Small class sizes give opportunities for close student-faculty interaction. Professors in the College have a genuine interest in the student, as well as a strong Christian commitment.

With the increasing complexity of the business world, solid academic preparation is essential for success. The College of Business offers majors in Accounting, International Business, Economics, Finance, Human Resource Development, and Marketing. A major in Business Education is jointly offered with the College of Education. The University will offer a Master of Business Administration beginning Fall, 1991. Check with the College of Business for information.

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

The international business major consists of the business core plus additional foreign language and cultural courses. A key component of this program is a required internship spent in a foreign country. Graduates of this program are qualified for both domestic or overseas positions with business or government.

The economics major has as its objective the preparation of students who plan to enter general business or governmental service. This degree is also an excellent preparation for the study of law or other graduate study.

The finance major is designed for students interested in careers in banking, corporate finance, or investments. The emphasis is on applications, and extensive use of the computer is made in all courses.

The human resource development major has as its objective the preparation of students who plan to work with businesses and government in training and personnel careers.

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, marketing research, or graduate study.

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

APPLICATION PROCEDURES

A separate admission is required to Grand Canyon University's College of Business before a student can be considered a candidate for a business degree. Normally, this application is filed with the College of Business during the second semester of the student's sophomore year. Until a student is admitted to the College of Business, the only upper division business courses that can be taken are 300-level courses with a BUS or ECN prefix.

In order to meet the requirements for admission, a student must have compiled a minimum 2.25 GPA in the following courses (or their equivalents):

ENG 101 and ENG 102	6 hours
ACC 211 and ACC 212	6 hours
ECN 201 and ECN 202	6 hours
* MAT 210	3 hours
BUS 251	3 hours
CSC 180 (selected options)	3 hours
Total	28 hours

* Human Resource Development majors may substitute MAT 121 for this requirement.

In addition, students must pass the Writing Proficiency Exam before being admitted. Exceptions to the above requirements may be granted by the College of Business.

Application forms may be obtained from the College of Business. Admission is not required for business minors, second degree students, and 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 available in Fall and Spring semesters (not in Summer) for any discipline taught in the College of Business. In order to make adequate arrangements for an internship, the student should see the Director of Internships by the **middle of the semester before** the semester in which the internship is taken.

Guidelines for entry into the Business Internship System:

1. Internships are limited to Juniors and Seniors with a GPA of at least 2.8.
2. No more than two semesters of internships may be taken. The second semester must be on a different project than the first semester. A third semester (with a different organization) may be approved as a Practicum.
3. No academic credit will be granted for performing duties in the person's current job. Internships with a student's employer must be for a special internship assignment, not a part of the regular job.
4. In no case will academic credit be granted for work done in the past.
5. At the end of the semester, interns will receive either a grade of Credit ("Cr") or non-credit ("U"). This designation is made by the faculty member coordinating the internship and is based on the evaluation of the intern's supervisor in the organization sponsoring the internship. The supervisor's evaluation is based on the satisfactory completion (or lack thereof) of conditions, duties, projects, etc., outlined in a letter of agreement from the sponsoring organization at the outset of the internship. **Exception:** Human Resource Development interns receive a letter grade based on a specific learning contract.
6. Interns will be expected to complete a minimum of 45 hours of work for each academic credit earned. Normally, internships are for 3 credit hours (except Human Resource Development interns), but internships for less than 3 hours credit may be arranged.

7. International Business majors contemplating an overseas internship should begin their planning process at least six months before their trip. Arranging these internships is more complex than traditional business internships, and additional time is needed.

8. International Business majors whose home country is not the U.S. should select other coursework (with approval of their advisor) to replace the required overseas internship. Often, this coursework will involve additional language courses.

GENERAL CURRICULUM FOR COLLEGE OF BUSINESS DEGREES PROGRAMS

General Studies Requirements	40 hours
Lower Division Business Core	15 hours
Upper Division Business Core	25 hours
Major Concentration	21-35 hours
Electives (Minimum of 13 hours must be outside of Business)	13-27 hours
Total	128 hours

PRESCRIBED GENERAL STUDIES PROGRAM — FOR ALL BUSINESS MAJORS

CHRISTIAN STUDIES

BIB 101/113 OT Survey/OT History	3 hours
BIB 102/123 NT Survey/NT History	3 hours

ENGLISH	6 hours
ENG 101 Grammar and Composition	
ENG 102 Composition and Literature	

HUMANITIES	6 hours
SPC 113 Fundamentals of Speech	
PHI 311 Business Ethics	

SOCIAL SCIENCES	9 hours
* HIS — History Elective	
Choice of Government, Political Science, Psychology, Sociology, or Geography	

SCIENCES	11 hours
+ MAT 210 Business Calculus	
CSC 180 Microcomputer Applications	
— — Lab Science (Must be 4 hours)	

PHYSICAL EDUCATION	2 hours
Must be activity course in two different sports	
Total	40 hours

* HIS 101, HIS 102, HIS 103, or HIS 104 (HIS 102 or HIS 104 recommended)

+ MAT 121 for Human Resource Development majors.

LOWER DIVISION BUSINESS CORE — ALL BUSINESS MAJORS

ACCOUNTING	6 hours
ACC 211 Financial Accounting	
ACC 212 Managerial Accounting	
ECONOMICS	6 hours
ECN 201 Macroeconomics	
ECN 202 Microeconomics	
STATISTICS	3 hours
BUS 251 Business Statistics	
Total	15 hours

UPPER DIVISION BUSINESS CORE — ALL BUSINESS MAJORS

ENVIRONMENTAL, INTEGRATING AND SUPPORTING	13 hours
BUS 307 Business Communications or	
BUS 313 Business/Technical Writing	
BUS 310 Business Law I	
* BUS 409 Preparation for Employment	
BUS 480 Business Policy	
BUS 410 International Business or	
ECN 425/	
FIN 425 International Finance/Trade	
FUNCTIONAL AREAS	12 hours
FIN 301 Business Finance I	
MGT 301 Principles of Management	
MKT 301 Principles of Marketing	
MGT 310 Production	
Total	25 hours

* Not required for Business Education Majors.

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

General Studies for Business	40 hours
Free Electives	24 hours
Lower Division Business Core	15 hours
Upper Division Business Core	25 hours
Accounting Core	24 hours
ACC 321 Intermediate Accounting I	
ACC 322 Intermediate Accounting II	
ACC 331 Cost Accounting	
ACC 351 Income Tax Accounting	
ACC 383 Advanced Accounting	
ACC 481 Auditing Theory and Practice	
BUS 315 Business Law II	
ACC 423 Governmental and Institutional Accounting or	
ACC 495 Accounting Theory	
Total Degree Hours	128

MINOR REQUIREMENTS — * BUSINESS**General Studies for Business Minor**

(Courses should fit in with General Studies program):

CSC 180	Microcomputer Applications
PHI 311	Business Ethics

Business Core

ACC 211	Financial Accounting	3 hours
ACC 212	Managerial Accounting	3 hours
ECN 201	Macroeconomics	3 hours
ECN 202	Microeconomics	3 hours
* — —	Upper Division Business Electives	9 hours

Total Minor Hours **21**

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

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

General Studies for Business/Education **46 hours**

CHRISTIAN STUDIES

BIB 101/113	OT Survey/OT History
BIB 102/123	NT Survey/NT History

ENGLISH

ENG 101	Grammar and Composition
ENG 102	Composition and Literature

HUMANITIES

COM 123	Dramatic Arts for Teachers
PHI 311	Business Ethics

SOCIAL SCIENCES

Choice of American History (6 hours)	
POS 203	Federal and Arizona Government
PSY 101	General Psychology
PSY 373	Adolescent Psychology

SCIENCES

MAT 210	Business Calculus
CSC 180	Microcomputer Applications
One Lab Science (Must be 4 hours)	

PHYSICAL EDUCATION

(Must be different activity courses)

Lower Division Business Core **15 hours**

Upper Division Business Core **25 hours**

Business Education **9 hours**

Upper Division Business Electives
Marketing Elective

Professional Education **36 hours**

EDU 303	Foundations of Education
EDU 313	Educational Psychology
EDU 363	Instructional Technology
EDU 413	Test and Measurements
EDU 420	Orientation to Student Teaching
EDU 430	Classroom Management
SED 442	Secondary Methods

SED 443	Secondary Curriculum Development
* SED 452	Learning Strategies for the Secondary School
* SED 462	Secondary Practicum
SED 480	Student Teaching: Secondary School
SPE 323	Orientation to the Exceptional Child

Total Degree Hours **131**

* Must be taken concurrently

Suggested curriculum plan will be developed with an Advisor from the College of Education.

Vocational Distributive Education Certificates are awarded through the Certification Division of the Arizona Department of Education rather than Grand Canyon University; therefore, submit an official transcript to that office. Also, submit to the Certification Division documentation of 2,000 clock hours of successful occupational experience in a marketing or business management position within the past ten years on an approved planned occupational experience. SED 442 (Secondary Methods) is a prerequisite to SED 443 (Secondary Curriculum).

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

General Studies for Business **40 hours**

Free Electives **27 hours**

Lower Division Business Core **15 hours**

Upper Division Business Core **21 hours**

Economics Core **9 hours**

ECN 332	Price Theory Microeconomics
ECN 333	Managerial Economics
ECN 363	Money and Banking

Electives from the following: **12 hours**

ECN 321	Economic Growth and Development
ECN 423	Comparative Economic Systems
ECN 430	Public Finance
FIN 305	Speculative Markets
FIN 401	Business Finance II
FIN 405	Financial Institutions

Total Degree Hours **128**

MINOR REQUIREMENTS — ECONOMICS

General Studies for Economics Minor (Courses should fit in with General Studies program):

CSC 180	Microcomputer Applications
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Economics Requirements

ECN 201	Macroeconomics	3 hours
ECN 202	Microeconomics	3 hours
— —	Upper Division Economics Electives	12 hours

Total Minor Hours **18**

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

General Studies for Business	40 hours
Free Electives	27 hours
Lower Division Business Core	15 hours
Upper Division Business Core	25 hours
Finance Core	12 hours
FIN 303 Investments	
FIN 305 Speculative Markets	
FIN 401 Business Finance II	
FIN 405 Financial Institutions	

Electives from the following:	9 hours
ACC 321 Intermediate Accounting I	
ACC 322 Intermediate Accounting II	
ACC 331 Cost Accounting	
ECN 332 Price Theory Microeconomics	
ECN 333 Managerial Economics	
ECN 363 Money and Banking	
FIN 435 Real Estate Investments	

Total Degree Hours 128

**DEGREE REQUIREMENTS — HUMAN RESOURCE
DEVELOPMENT (B.S. DEGREE; No Minor Required)**

General Studies for Business	40 hours
Free Electives	13 hours
Lower Division Business Core	15 hours
Upper Division Business Core	25 hours
Human Resource Development Core	26 hours
EDU 363 Instructional Technology	
HRD 301 Human Resource Development Principles I	
HRD 302 Human Resource Development Principles II	
HRD 304 Business Conference Leadership	
HRD 411 Human Resource Development Internship I	
HRD 412 Human Resource Development Internship II	
MGT 321 Human Resource Management	
MGT 415 Organizational Behavior	

Electives from the following:	9 hours
MGT 311 Leadership	
PSY 430 Industrial Psychology or	
EDU 313 Educational Psychology	
PSY 443 Counseling and Guidance	
SED 442 Secondary Methods	

Total Degree Hours 128

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

General Studies for Business	40 hours
Must include POS 323, GEO 121	
Free Electives	27 hours
Lower Division Business Core	15 hours
Upper Division Business Core	25 hours
* International Business Core	21 hours
BUS 410 International Business or	
FIN 425/	
ECN 425 International Trade and Finance	
— — Overseas Internship	
— — Foreign Language (12 hours minimum)	
FIN 305 Speculative Markets	

Total Degree Hours 128

* Foreign students should plan appropriate coursework with their advisor.

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

General Studies for Business	40 hours
Free Electives	27 hours
(Recommended electives: psychology, sociology)	
Lower Division Business Core	15 hours
Upper Division Business Core	25 hours
Marketing Core	12 hours
BUS 315 Business Law II	
MKT 302 Consumer Behavior	
MKT 303 Sales and Sales Management	
MKT 480 Marketing Management	

Electives from the following:	9 hours
MKT 304 Advertising Principles	
MKT 410 Retail Management	
MKT 440 Marketing Research	
MKT 453 Marketing Distribution Management	

Total Degree Hours 128

ACCOUNTING

ACC 211 3 hours Financial Accounting

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

ACC 212 3 hours Managerial Accounting

Every semester. Continuation of **ACC 211**. An introduction to the fundamentals of managerial accounting data in the decision-making process. Prerequisite: ACC 211.

ACC 221 2 hours Financial Accounting Systems

Every Spring. Application of financial accounting theory to business cases. Emphasis on the accounting cycle with computerized accounting systems. Prerequisite: ACC 211.

ACC 321 3 hours Intermediate Accounting I

Every Fall. An in-depth study of accounting objectives, principles, theory and practice as related to assets and related income determination. Prerequisite: ACC 212.

ACC 322 3 hours Intermediate Accounting II

Every Spring. Continuation of **ACC 321**. Emphasis is placed on liabilities and owners equity, special problems in income determination and financial reporting. Prerequisite: ACC 321.

ACC 331 3 hours Cost Accounting

Every Spring. Principles of factory and distributive cost accounting, including process, job order, standard cost systems, and budgeting. Prerequisite: ACC 212.

ACC 351 3 hours Income Tax Accounting

Every Fall. Fundamentals of federal income taxation of individuals, partnerships, and corporations. Basic research and tax planning methods. Prerequisite: ACC 212.

ACC 383 3 hours Advanced Accounting

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

ACC 396 2 hours Accounting 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.

ACC 399 1 - 4 hours Practicum

On demand. See page 38-39.

ACC 411 3 hours Accounting Internship I

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of Lower Division Business Core and ACC 322.

ACC 412 3 hours Accounting Internship II

Every Spring. Continuation of **ACC 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: ACC 411.

ACC 423 3 hours Governmental and Institutional Accounting

On demand. Principles of accounting as applied to public sector entities. Budgetary and reporting considerations as well as financial control systems are investigated. Prerequisite: ACC 322.

ACC 481 3 hours Auditing Theory and Practice

Every Spring. The principles involved in the examination of financial statements by independent accountants including evaluation of internal control, sampling techniques, audit program development and use, and reporting. Professional Code of Ethics and legal considerations are also covered. Prerequisite: ACC 322.

ACC 495 3 hours Accounting Theory

Every Spring. An exploration of financial accounting theory and its role in current accounting practice. Prerequisite: ACC 322.

ACC 499 1 - 4 hours Independent Study

On demand. See page 38.

BUSINESS

BUS 251 3 hours Business Statistics

Every semester. A study of business uses of statistical methods in decision making including probability, tests of significance and correlation and regression analysis. Prerequisites: MAT 120 or equivalent and CSC 180.

BUS 307 3 hours Business Communications

Every semester. Practice in writing effective business letters, memoranda, and reports. Emphasis on effective written communication as it applies to human relations in business; a managerial approach to effective communication. Prerequisites: ENG 102 and passing the Writing Proficiency Exam.

BUS 310 3 hours Business Law I

Every semester. A study of the development of our legal system with a brief study of the nature of crimes, torts, and strict liability. The course also includes contracts, agency, and property.

BUS 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 102 and passing the Writing Proficiency Exam.

BUS 315 **3 hours**
Business Law II

Every Spring. Continuation of **BUS 310**. Included in this course is the study of partnerships, corporations, sales, commercial paper, credit, and government regulations and agencies.

BUS 396 **2 hours**
Business 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.

BUS 399 **1 - 4 hours**
Practicum

On demand. See page 38-39.

BUS 400 **1 - 3 hours**
Business Education Internship

On demand. Internship in the High School vocational distributive education program (DECA, HERO, etc.) and/or involvement in the Junior Achievement Program to be equivalent to 45 contact hours per one credit hour.

BUS 409 **1 hour**
Preparation for Employment

Every Fall. Prepares graduating seniors for job search process (research, interviews, resumés, dress for success, etc.) and to be competitive in the business job market. Prerequisite: Senior status.

BUS 410 **3 hours**
International Business

Spring, 1992, and alternate years. 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: MGT 301, MKT 301.

BUS 411 **3 hours**
Business Internship I

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of Lower Division Business Core, FIN 301, MGT 301, and MKT 301.

BUS 412 **3 hours**
Business Internship II

Every Spring. Continuation of **BUS 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: BUS 411.

BUS 480 **3 hours**
Business Policy

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 business students. Prerequisites: Completion of Lower Division and Upper Division Business Core and instructor's approval.

BUS 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

ECONOMICS

ECN 201 **3 hours**
Principles of Economics - Macroeconomics

Every semester. A survey of how basic economic concepts, principles, and business practices are viewed from a macroeconomic approach. The course includes an overview of the American economy, national production, employment and income; also included is a study of the monetary and fiscal policy in the United States, the public sector and economic growth. Macroeconomics and Microeconomics may be taken in any order. Prerequisite: MAT 120 or equivalent.

ECN 202 **3 hours**
Principles of Economics - Microeconomics

Every Spring. A microeconomics introduction covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems. Microeconomics and Macroeconomics may be taken in any order. Prerequisite: MAT 120 or equivalent.

ECN 321 **3 hours**
Economic Development

Fall, 1991, and alternate years. An examination of the causes of poverty in the Third World and "Less Developed" countries of Asia, Africa, and Latin America. Emphasis is placed on what role, if any, wealthy countries can take in aiding the growth of poorer nations. Issues such as the Third World debt crisis and foreign aid are examined analytically. Prerequisites: ECN 201, ECN 202.

ECN 332 **3 hours**
Price Theory Microeconomics

Fall, 1991, and alternate years. An intermediate-level course in microeconomics dealing with decision-making of individuals, the influence of constraints on behavior, and individuals' reactions to uncertainty. Also explored is how decisions are made over time and how the individual affects industry demand. Prerequisites: ECN 201, ECN 202, MAT 210.

ECN 333 **3 hours**
Managerial Economics

Fall, 1992, and alternate years. 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, ECN 201, ECN 202, and MAT 121 or equivalent.

ECN 363 **Money and Banking** **3 hours**

Spring, 1992, and alternate years. A general survey of commercial banking operations, the Federal Reserve System, the qualities of a good monetary system, the theory of value of money, money and banking history, deposit insurance, and foreign exchange. Prerequisites: ECN 201, ECN 202, MAT 121 or equivalent.

ECN 383 **Economic History of the United States** **3 hours**

Fall, 1992, and alternate years. Also **HIS 383**. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: ECN 201, HIS 103, HIS 104.

ECN 396 **Economics 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.

ECN 399 **Practicum** **1 - 4 hours**

On demand. See page 38-39.

ECN 411 **Economics Internship I** **3 hours**

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of Lower Division Business Core, and ECN 332 or ECN 333.

ECN 412 **Economics Internship II** **3 hours**

Every Spring. Continuation of **ECN 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: ECN 411.

ECN 423 **Comparative Economic Systems** **3 hours**

Spring, 1992, and alternate years. A study of the forms of economic organization: the economic policy and characteristics of capitalism, socialism, communism, and fascism. An analytical comparison of capitalism and the other economic systems. Prerequisite: ECN 201.

ECN 425 **International Trade and Finance** **3 hours**

Spring, 1992, and alternate years. Also **FIN 425**. A study of international economic policy and multinational finance. Special emphasis is placed upon foreign exchange rate determination, foreign exchange markets, and aspects of direct foreign investment. Prerequisites: ECN 201, ECN 202, and FIN 301.

ECN 430 **Public Finance** **3 hours**

Fall, 1992, and alternate years. The financial structure of various types of business organizations, including sole proprietorships, partnerships, and corporations. Methods of securing and managing funds to meet short-term and long-term capital requirements. Financial problems are considered in connection with refunding, reorganization, mergers, and consolidations. Prerequisites: ACC 212, ECN 202.

ECN 499 **Independent Study** **1 - 4 hours**

On demand. See page 38.

FINANCE**FIN 301** **Business Finance I** **3 hours**

Every semester. A study of the finance function within the modern corporation. Topics covered include financial analysis and planning, the valuation of financial assets, capital budgeting, capital structure, and working capital management. Prerequisites: ACC 212, BUS 251, and CSC 180.

FIN 303 **Investments** **3 hours**

Every Fall. Primary emphasis on stocks and bonds as investments. Portfolio theory, security analysis, valuation, bond immunization, and bond swaps are discussed. Prerequisite: FIN 301.

FIN 305 **Speculative Markets** **3 hours**

On demand. 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, corporate finance, and the management of financial institutions are emphasized. Prerequisite: FIN 301.

FIN 396 **Finance 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.

FIN 399 **Practicum** **1 - 4 hours**

On demand. See page 38-39.

FIN 401 **Business Finance II** **3 hours**

Every Fall. An advanced course in corporate finance. The case study method is utilized to cover such topics as financial analysis, financial planning, working capital management, leasing, bankruptcy, and mergers. Prerequisite: FIN 301.

FIN 405 **3 hours**
Financial Institutions

Every Spring. Aspects of financial institution management and the char environment of financial institutions are covered. Topics include asset and liability management, capital adequacy, and measuring and controlling interest rate risk. Prerequisite: FIN 301.

FIN 411 **3 hours**
Finance Internship I

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of Lower Division Business Core, and 6 hours of Finance.

FIN 412 **3 hours**
Finance Internship II

Every Spring. Continuation of **FIN 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: FIN 411.

FIN 425 **3 hours**
International Trade and Finance

Spring, 1992, and alternate years. Also **ECN 425**. A study of international economic policy and multinational finance. Special emphasis is placed upon foreign exchange rate determination, foreign exchange markets, and aspects of direct foreign investment. Prerequisites: ECN 201, ECN 202, FIN 301.

FIN 435 **3 hours**
Real Estate Investment

Spring 1993, and alternate years. A study of real estate valuation and characteristics of real property as an investment. Prerequisite: FIN 301.

FIN 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

HUMAN RESOURCE DEVELOPMENT

HRD 301 **3 hours**
Human Resource Development Principles I

Every Fall. Provides initial exposure in some depth to specific areas of specialization, methods and techniques used by human resource development professionals in business, industry, government agencies, and institutions of varied size.

HRD 302 **3 hours**
Human Resource Development Principles II

Every Spring. Continuation of **HRD 301**. Giving the student a base of knowledge upon which to build a career in human resource development or to understand the role of training as a tool of management. Prerequisite: HRD 301.

HRD 304 **3 hours**
Business Conference Leadership

Every Spring. Teaches the competencies of leading a business conference and discussion groups, primarily as a learning device or for problem-solving. Prerequisite: SPC 113.

HRD 396 **2 hours**
Human Resource Development 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.

HRD 399 **1 - 4 hours**
Practicum

On demand. See page 38-39.

HRD 411 **4 hours**
Human Resource Development Internship I

Every Fall. The student will be given an opportunity to practice the principles learned in HRD Principles I and II by spending at least 8 hours a week in a department of human resource development. Prerequisites: EDU 363, HRD 302, and Senior status.

HRD 412 **4 hours**
Human Resource Development Internship II

Every Spring. The student will have further opportunity to work under the supervision of a human resource development officer in an industrial company, a business, a hospital, or a governmental agency, depending upon one's special interest. Prerequisite: HRD 411.

HRD 499 **1 - 4 hours**
Independent study

On demand. See page 38.

MANAGEMENT

MGT 301 **3 hours**
Principles of Management

Every semester. An introductory course which deals with management in general and the basic management process and functions in particular, focusing on real-world management situations concerned with planning and getting out routine work.

MGT 310 **3 hours**
Production

Every Fall. This course examines production management from a framework of four critical variables: time period, resources managed, major areas within the firm that are affected, and the basic management functions involved. Production management is examined from a planning/execution perspective, to emphasize time and resource allocation as key variables within the process.

MGT 311 **3 hours**
Leadership

Fall, 1991, and alternate years. An exploration into leadership in all areas of human conduct from the home and family to government/politics, and organizations in both the private and public sector. Recommended for any student who may want to assume a leadership position now or in the future. Prerequisite: MGT 301.

MGT 321 **3 hours**
Human Resource Management

Every Spring. Analysis of the personnel policies of business enterprises. Areas of study include selection, placement, training, promotion, morale, employee services, and organization and functions of a personnel department. Prerequisite: MGT 301.

MGT 415 **3 hours**
Organizational Behavior

Every Spring. A study of the interpersonal relations between individuals and groups in an organizational setting. The problems that arise out of these relations are analyzed and evaluated using the case method approach. Prerequisite: MGT 301.

MARKETING

MKT 301 **3 hours**
Principles of Marketing

Every semester. Understanding of the marketing processes as they relate to marketing decisions, selection of market targets, product strategies, distribution channels, pricing, marketing research, advertising, interaction of marketing and society.

MKT 302 **3 hours**
Consumer Behavior

Every Spring. A study of consumer buying decision processes, together with the important intrapersonal, interpersonal, and marketing organizational influences on those decision processes. Prerequisite: MKT 301.

MKT 303 **3 hours**
Sales and Sales Management

Every Spring. An introduction to selling, including sales organization, planning and salesmanship. Prerequisite: MKT 301.

MKT 304 **3 hours**
Advertising Principles

Every Spring. A study of advertising methods, media and strategy. Prerequisite: MKT 301.

MKT 396 **2 hours**
Marketing 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.

MKT 399 **1 - 4 hours**
Practicum

On demand. See page 38-39.

MKT 410 **3 hours**
Retail Management

Fall, 1992, and alternate years. A study of retail operations, planning, merchandising, promotion and control. Prerequisite: MKT 301.

MKT 411 **3 hours**
Marketing Internship I

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisites: 6 hours or more of Marketing courses.

MKT 412 **3 hours**
Marketing Internship II

Every Spring. Continuation of **MKT 411**. Further experience practicing under the supervision of a practitioner. Prerequisite: MKT 411.

MKT 440 **3 hours**
Marketing Research

Every Fall. A study of research design, survey making, sampling and questionnaire design. Prerequisites: BUS 251, MKT 301.

MKT 453 **3 hours**
Marketing Distribution Management

Fall, 1991, and alternate years. A study of marketing logistics and the distribution function in an overall marketing program. Prerequisite: MKT 301.

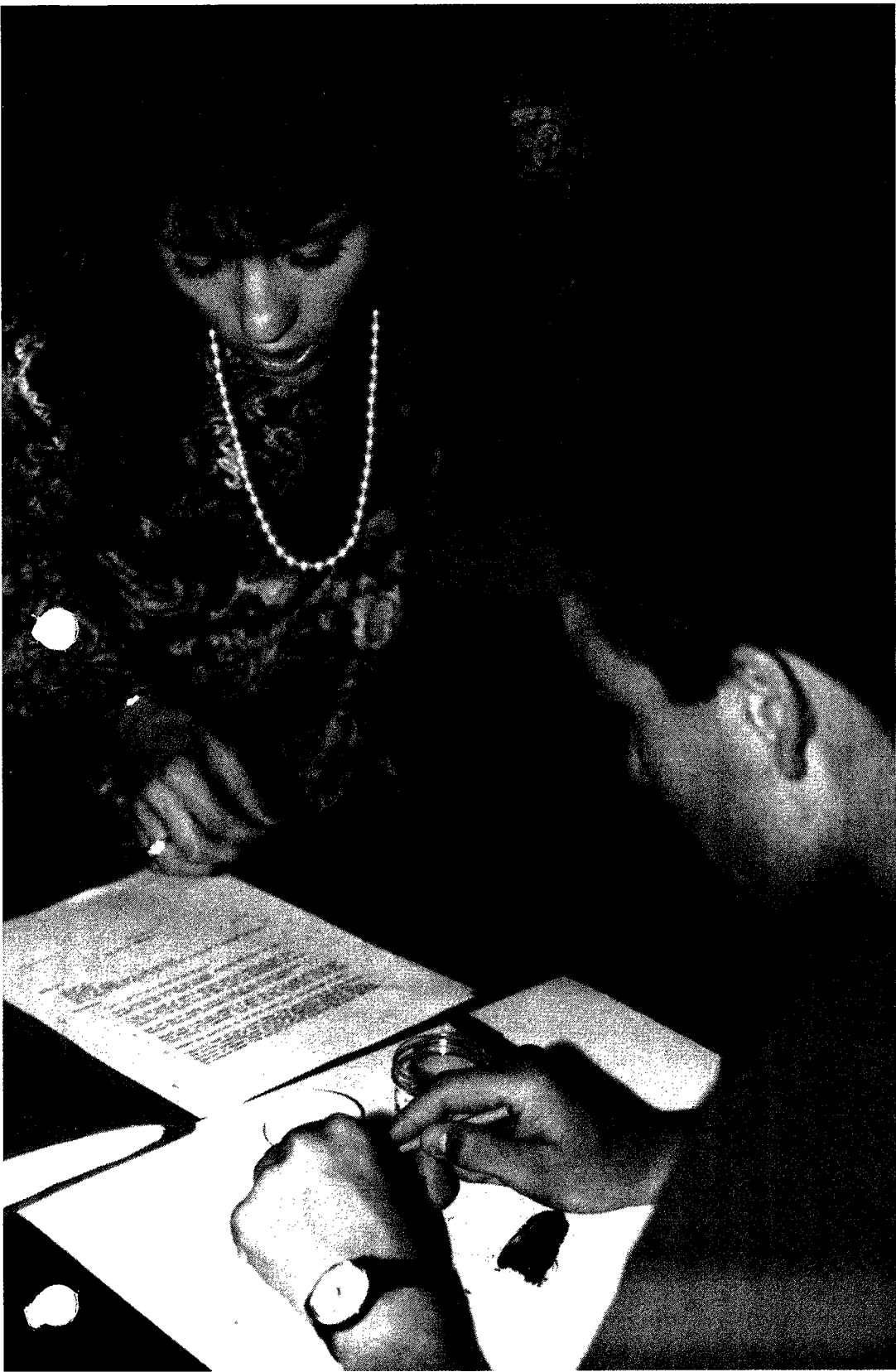
MKT 480 **3 hours**
Marketing Management

Every Fall. A study of marketing objectives and policies that require executive decisions, marketing activities that relate to other policy areas. Prerequisite: MKT 301.

MKT 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

College of Education



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COLLEGE OF EDUCATION 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 insure the highest level of professional and academic competence of the graduate in the classroom.

The Master of Arts (M.A.) and the Master of Education (M.Ed.) degree programs were accredited in June, 1987. Refer to pages 117-119 for descriptions of those programs of study.

GUARANTEE STATEMENT

Starting with its December 1984 graduates, Grand Canyon University has provided the following guarantee: Grand Canyon University will GUARANTEE assistance to any teacher graduate who is experiencing difficulty in the first year of teaching. Believing in the excellence of our program, we will provide assistance to any graduate recommended by Grand Canyon for teaching certification in the state of Arizona at the elementary or secondary level. This assistance 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.

PROGRAM FEATURES

The Education Program provides these special features:

- **Practical classroom experience** begins as early as the sophomore year with a minimum of 90 hours in the K-12 classroom prior to student teaching.
- **Opportunities to design** curriculum materials.
- **Student professional organization** which provides encouragement to students via projects, workshops and academic areas.
- **A placement service** that has averaged a 94% placement rate for education graduates in the past ten years.
- **Faculty** who have an average of 10 years experience in the 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, Gifted Endorsement, Secondary (grades 7-12) with a subject area emphasis, Elementary (grades K-8), Reading Endorsement (grades K-12), English as a Second Language Endorsement, and K-12 Endorsement in the areas of Art, Music, and Physical Education.

TEACHER EDUCATION CURRICULA

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

Coursework is offered leading to teaching programs in the following areas:

1. **Elementary Education** (A minor in a content area commonly taught in grades K-8 in the Arizona public schools is required);
2. **Special Education** (Learning Disabilities, Emotionally Handicapped and Gifted). A minor in a content area commonly taught in grades K-8 in the Arizona public schools is required;
3. **Secondary Education** (Certifiable majors are determined by the Arizona State Department of Education as any course of study that is commonly taught in grades 7-12 in public schools in Arizona.) Refer to the prospective departments for a listing of those major requirements;
4. **Endorsements (K-12)** for Art, Music, and Physical Education. In order to qualify for an Endorsement, one must also have an Elementary Certificate or a Secondary Certificate. The Endorsement involves at least 46 semester hours in the specific teaching field. The methods of teaching in the specific teaching field at the elementary level and the secondary level must both be included in the 46 hours. Endorsements are also offered in Gifted, Reading Education, and 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 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 pg. 116). The student who would be in the Fifth Year program is encouraged to enter the Master of Education (M.Ed.) program (see pg. 117-118).

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 2.5 on all work taken as well as a 2.5 GPA in residence at Grand Canyon. In order to be accepted as a candidate for a secondary certificate, one must have a 2.5 GPA in the teaching field; and one seeking K-12 subject endorsement must have a 2.5 GPA in the appropriate teaching

field. A minimum 2.0 GPA is required for all prerequisite coursework.

All candidates must have passed the Writing Proficiency Examination (pg. 46).

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.

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 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 the inability to continue in the program.

APPLICATION FOR TEACHER EDUCATION

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

Applications are not processed until they are submitted in complete form and all supporting documents are received. Applicants are responsible for any follow-up necessary for completing their application files. Completed applications are to be on file four weeks prior to the beginning of the semester or term in which students plan to commence the teacher preparation program. Any application not completed within twelve months will be discarded.

Students will be notified in writing of the action taken on their applications by the Dean representing the College of Education faculty, subject to appeal to the College of Education faculty and the Vice President for Academic Affairs.

Students accepted into the program will be issued a card indicating their acceptance. Since certain methods courses and student teaching are reserved for students who have been accepted into the Teacher Education Program, the card will need to be presented at each registration time by students who wish to enroll in any of the education courses except EDU 303, EDU 313, EDU 363, EED 340, SPE 323, or SED 442.

• POLICIES AND PROCEDURES

The policy handbook contained in the application packet specifies all written policies and procedures. Some of the highlights are as follows:

- **Transfer Credits.** 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 480, and EDU 430.

Secondary Education must also have a total of 21 hours in Education taken in residence at Grand Canyon University of which the following must be included: SED 442, SED 443, SED 452,

SED 462, SED 480, and EDU 430.

- **Program of Study.** The faculty of the College of Education reserves the right to change a program of study if a student is not competent in an area of teaching.
- **Grade Point Average - GPA.** Any student who receives a grade lower than 2.0 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 2.5 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 - Contact the Dean of the College of Education.
 - Third - Petition the College of Education faculty in writing.
 - 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.

APPLICATION FOR STUDENT TEACHING

All students who wished to be placed in student teaching must make written application. Appropriate forms are available from the College of Education Office, located in the Faculty Office Building. A 2.5 GPA at Grand Canyon University, and a 2.5 GPA in the major areas as well as a recommendation from the faculty are prerequisites.

Students must receive a minimum grade of "C" (2.0) in all courses in their major, in education courses, and in University courses which are prerequisites for education courses.

Deadlines for applying for student teaching are as follows:

To teach during Fall semester — February 15

To teach during Spring semester — September 15

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 submit the following documents:

1. Official Evaluation form from the State Department of Education;
2. Passage of the basic skills component of the Arizona Teacher Proficiency Examination (ATPE);
3. Completion of 12 hours in residence at Grand Canyon 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. Maintenance of overall GPA of 2.5 and 2.5 in the major area of study at Grand Canyon University.

All students must complete regular matriculation requirements with the Office of the Registrar before entering the Teacher Education Program.

STUDENT TEACHING SEMESTER

The student teaching semester is offered on a "block" basis. The students complete 12-14 hours of coursework in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 4-6 hours of coursework in professional education. The second block, of 9 weeks duration, is reserved for student teaching and carries 8 hours of credit.

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.

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.

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.

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.

* GENERAL STUDIES FOR TEACHER EDUCATION PROGRAMS

Bible	
OT Survey or OT History	3 hours
NT Survey or NT History	3 hours
English — Freshman English	6 hours
Humanities:	
Dramatic Arts for Teachers (COM 123)	3 hours

Electives Chosen from: Art, Music, Literature, Theatre, Philosophy, Performing Arts	3 hours
American History (Elementary Ed) or American History or History of Civilization (Secondary Ed)	3 hours
Government: Federal and State	3 hours
General Psychology	3 hours
Adolescent Psychology (Secondary Ed) or Child Psychology (Elementary Ed or Special Ed)	3 hours
PE	2 hours
Math: MAT 113, MAT 114 (Elementary Ed)	6 hours
Math: (Secondary Ed)	3 hours
Science	
Lab Science	4 hours
Elective chosen from Science, Math or Computer Science (Secondary Ed)	3 hours
** Total	45 hours

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

** After December, 1993, requirements for elementary and special education must include 9 hours in Art, Music, or Drama; 4 hours in Biology Lab Science; and 4 hours in Physical Lab Science.

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

General Studies For Teacher Education Programs (pg. 114)

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

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

Elementary Education Major

* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language	2 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 403	Curriculum and Methods: Mathematics	3 hours
EED 433	Curriculum and Methods: Reading/Decoding	4 hours
EED 443	Reading Practicum in the Elementary School	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 47

* Prerequisite to all other education courses

** Education Block - These 13 hours of 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.

RECOMMENDED ELECTIVES FOR
ELEMENTARY TEACHER CANDIDATES:

AP ² 323	Art Media/Methods for the Elementary Teacher	3 hours
CSC —	Computer Science Elective	3 hours
EED 313	Early Childhood Education	3 hours
ENG 473	Children's Literature	3 hours
ENG 471	Adolescent Literature	3 hours
GEO —	Geography Elective	3 hours
HLT 333	School Health Problems	3 hours
MED 381	Music in the Elementary Grades	3 hours
PED 403	Physical Education in Elementary Grades	3 hours
PHI —	Ethics Elective	3 hours

DEGREE REQUIREMENTS —
LEARNING DISABILITIES (Grades K-12) AND
ELEMENTARY CERTIFICATION (Grades K-8)
(B.S. DEGREE)

General Studies For Teacher Education Programs (pg. 114)

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

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

Learning Disabilities Major		
* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
* SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language	2 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 403	Curriculum and Methods: Mathematics	3 hours
EED 433	Curriculum and Methods: Reading/Decoding	4 hours
EED 443	Reading Practicum in the Elementary School	2 hours
EED 463	Curriculum and Methods: Social Studies	3 hours
SPE 353	Survey of Learning Disabilities	3 hours
SPE 363	Methods of Teaching Children with Learning Disabilities	3 hours
SPE 433	Diagnosis of Learning Needs of Exceptional Children	3 hours
SPE —	Elective in Special Education	3 hours
**EDU 430	Classroom Management	3 hours
**EDU 420	Orientation to Student Teaching	2 hours
*SPE 408	Student Teaching: Learning Disabilities	8 hours
*EED 480	Student Teaching: Elementary School	8 hours

Total Major Hours 67

* Prerequisite to all other education courses

** Education Block — This sequence is available to Special Education Majors only in the Fall and will overlap into the Spring semester due to the 18 week student teaching requirement. The Block courses EDU 420 and EDU 430 may be taken in the Spring as a prerequisite to the student teaching courses which

would begin with the preceeding Fall semester.

DEGREE REQUIREMENTS —
EMOTIONALLY HANDICAPPED (Grades K-12) AND
ELEMENTARY CERTIFICATION (Grades K-8)
(B.S. DEGREE)

General Studies For Teacher Education Programs (pg. 114)

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

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

Emotionally Handicapped Major		
* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
* SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language	2 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 403	Curriculum and Methods: Mathematics	3 hours
EED 433	Curriculum and Methods: Reading/Decoding	4 hours
EED 443	Reading Practicum in the Elementary School	2 hours
EED 463	Curriculum and Methods: Social Studies	3 hours
SPE 383	Survey of Emotional Handicaps	3 hours
SPE 393	Methods of Teaching the Emotionally Handicapped Child	3 hours
SPE 433	Diagnosis of Learning Needs of Exceptional Children	3 hours
SPE —	Elective in Special Education	3 hours
**EDU 430	Classroom Management	3 hours
**EDU 420	Orientation to Student Teaching	2 hours
*SPE 418	Student Teaching: Emotionally Handicapped	8 hours
*EED 480	Student Teaching in the Elementary School	8 hours
Total Major Hours		67

* Prerequisite to all other education courses.

** Education Block — This sequence is available to Special Education majors only in the Fall and will overlap into the Spring semester due to the 18 week student teaching requirement. The Block courses EDU 420 and EDU 430 may be taken in the Spring as a prerequisite to the student teaching courses which would begin with the preceeding Fall semester.

COURSES FOR SECONDARY CERTIFICATE (Grades 7-12)
(DEGREE DEPENDS ON MAJOR)

* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
* SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	2 hours
SED 442	Secondary Methods	3 hours
EDU 413	Tests and Measurements	2 hours

SED 452	Learning Strategies for Secondary School	3 hours
SED 462	Secondary Practicum	2 hours
*EDU 430	Classroom Management	3 hours
**SED 443	Secondary Curriculum Development	2 hours
**EDU 420	Orientation to Student Teaching	2 hours
**SED 480	Student Teaching: Secondary School	8 hours

Total Secondary Certification Hours 36

* Prerequisite to all other education courses.

** Education Block — These 15 hours of 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.

The student's major, required for graduation, is his or her major teaching field. Certifiable majors are defined on page 112.

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.

GRADUATE STUDIES

The graduate program was designed to enhance the professional performance of the teacher in the K-12 classroom. The Master of Arts in Education (M.A.) degree was designed for the advanced preparation of practicing elementary and secondary teachers. The Master of Education (M.Ed.) degree was designed for the preparation of Certification for the first time at the elementary and secondary level. The application procedures are the same for both programs; however, the M.Ed. student will follow the policies and procedures regarding the undergraduate student as well as the policies and procedures regarding the graduate student.

GRADUATE CURRICULUM

The courses in the M.Ed. program are planned to provide curricula for the certification of elementary teachers (grades K-8) and secondary teachers (grades 7-12) as well as advanced study. It may be possible for the M.Ed. student to complete certification requirements within 12 to 18 months of full-time study and return the following years to complete the master's degree coursework. It is the responsibility of the graduate student to enroll in the proper courses and follow the policies and procedures of the graduate program. An ad-

visor in the College of Education is available for consultation; however, it is the responsibility of the graduate student to enroll in the proper courses and follow the policies and procedures as stated in the current College of Education Policy Handbook.

The courses in the M.A. program are designed to provide advanced study in a specialized area of education. Coursework is presently offered in the following areas:

1. Elementary Education
- 2.* Gifted Education
- 3.* Reading Education
- 4.* Teaching English as a Second Language
5. Urban Education

* Certification Requirements for the Arizona Department of Education are included in these programs of study.

Graduate students who wish to specialize in an area commonly taught at the secondary level (grades 7-12) are encouraged to begin their program of study at Grand Canyon University as we continue to develop new programs. Other areas in developmental stages include Bilingual Education and Early Childhood Education.

The Los Angeles, California, urban area offers a unique multicultural field site for the M.A. degree program for Urban Education. The program is designed for Christian professionals who desire to become educators within an urban cultural context, rather than a K-12 classroom, while simultaneously continuing their professional work. The urban educator will assist others in the cultural community to define and analyze a situation; define the unique needs of individuals, groups, and organizations; assist people to become effective learners; and to empower people to become change agents in their own society. The students in this program will participate in coursework and field experience in the Los Angeles area as well as attend classes at Grand Canyon University in Phoenix.

APPLICATION PROCEDURES FOR GRADUATE STUDIES

ELIGIBILITY FOR ADMISSION

Graduate students secure an admissions packet from the Graduate Office in the College of Education. Nine hours of graduate credit may be taken prior to admission to the master's program in the College of Education. Further clarification of the following requirements are contained in the admissions packet.

Master of Education (M.Ed.) candidates must submit to the Dean of 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 2.5 cumulative GPA as well as a 2.5 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 a regionally accredited college or university.

Master of Arts in Education (M.A.) candidates must submit to the Dean of the College of Education:

- 1. Graduate Application;
- 2. Evidence 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 3.0 or above.
- 3. A 2.8 cumulative GPA as well as a 2.8 GPA in the major area of certification;
- 4. Copy of current teaching certificate;
- 5. Three references, one of which must include a copy of the most recent teacher evaluation;
- 6. Official transcripts from a regionally accredited college or university.

ELIGIBILITY FOR CANDIDACY

At the completion of certification for the M.Ed. student or 15 hours of graduate credit for the M.A. student, one must file for Eligibility for Candidacy. The recommendation forms are available in the College of Education Graduate Office. The criteria is stated on the Program of Study.

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 interview committee if the program extends beyond this statute of limitations.

All graduate students must maintain a 3.0 GPA.

At the end of the program of study, the candidate will complete the course Research/Writing Tutorial. The purpose of this course is to allow the candidate the opportunity to link theory with practice and to prepare an article for publication. Writing a thesis is an option in the graduate program.

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

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

GENERAL EDUCATION PREREQUISITES
FOR CERTIFICATION:

English	6 hours
Humanities and/or Speech	3 hours
U. S. History, Western Civilization, or Geography	6 hours
Federal and Arizona Government	3 hours
General Psychology	3 hours
Child Psychology (Recommended)	3 hours
Educational Psychology	3 hours
Lab Science	4 hours
Mathematics (MAT 113, MAT 114)	6 hours

* After December, 1993, requirements must include 9 hours in Art, Drama, or Music; 4 hours in Biology Lab Science; and 4 hours in Physical Lab Science.

PROFESSIONAL PREPARATION REQUIREMENTS:

Complete prior to Certification — 44 hours

EDU 570	Philosophical/Social Issues	3 hours
EDU 363	Instructional Technology	3 hours
SPE 323	Orientation to the Exceptional Child	3 hours
EED 340	Emergent Language	2 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 563	Curriculum and Methods: Social Studies	3 hours
EED 503	Curriculum and Methods: Mathematics	3 hours
* EED 533	Curriculum and Methods: Reading/Decoding	4 hours
* EED 443	Reading: 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 hours

— — —	Approved Elective at the 500 level	2 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Master Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial	2 hours
EDU 680	Internship or	
EDU 699	Independent Study	2 hours

Total Degree Hours 62

* 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.

PROGRAM OF STUDY FOR
SECONDARY CERTIFICATION (Grades 7-12)

GENERAL EDUCATION PREREQUISITES
FOR CERTIFICATION:

English	6 hours
Humanities and/or Speech	3 hours
Federal and Arizona Government	3 hours
General Psychology	3 hours
Adolescent Psychology (Recommended)	3 hours
Educational Psychology	3 hours
Science or Mathematics	3-4 hours

PROFESSIONAL PREPARATION REQUIREMENTS:

Complete prior to Certification — 33 hours

EDU 570	Philosophical/Social Issues	3 hours
EDU 363	Instructional Technology	2 hours
SPE 323	Orientation to the Exceptional Child	3 hours
SED 442	Secondary Methods	3 hours
EDU 413	Tests and Measurements	2 hours
* SED 552	Learning Strategies for the Secondary School	3 hours
* SED 462	Secondary Practicum	2 hours
**EDU 430	Classroom Management	3 hours
**SED 543	Secondary Curriculum	2 hours

**EDU 420	Orientation to Student Teaching	2 hours
**SED 480	Student Teaching	8 hours

Complete after Certification — 22 hours

— —	Approved Electives at the 500 level	6 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Master Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial	2 hours
EDU 680	Internship or	
EDU 699	Independent Study	2 hours

Total Degree Hours 55

* 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.

MASTER OF ARTS DEGREE REQUIREMENTS (M.A.)

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	Master Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial	2 hours
EDU 680	Internship or	
EDU 699	Independent Study	2 hours

ELEMENTARY EDUCATION REQUIREMENTS:

— —	Approved Elective at 500 level	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 or	
RDG 504	Innovative Reading Programs or	
RDG 606	Research in Reading	3 hours

Total Degree Hours 37

*** PROGRAM OF STUDY FOR GIFTED EDUCATION**

PREREQUISITES:

Elementary or Secondary Education Certification
Admittance to the M.A. Program
Academic area of study

9 hours

CORE EDUCATION REQUIREMENTS:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Master Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours

EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial	2 hours

GIFTED EDUCATION REQUIREMENTS:

SPE 500	The Gifted Child	3 hours
SPE 515	Teaching the Gifted Student	3 hours
SPE 520	Instructional Strategies in Gifted Education	3 hours
SPE 525	Curriculum Development in Gifted Education	3 hours
SPE 533	Diagnosis of Learning Needs of Exceptional Children	3 hours
SPE 580	Internship in Gifted Education	6 hours

Total Degree Hours 38

* Compliance with the Arizona Department of Education Gifted Endorsement (valid for grade level of teaching) Certificate.

*** 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	Master Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial	2 hours

READING EDUCATION REQUIREMENTS:

ENG 471/571	Adolescent Literature or	
ENG 473/573	Children's Literature and Storytelling	3 hours
RDG 503	Foundations in Reading	3 hours
RDG 504	Innovative Reading Programs	3 hours
RDG 505	Diagnosis and Remediation of Reading Problems	3 hours
RDG 606	Research in Reading	3 hours
RDG 680	Internship in Reading	3 hours

Total Degree Hours 35

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

*** PROGRAM OF STUDY FOR TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)**

PREREQUISITES:

Elementary or Secondary Certification
Admittance to the M.A. Program

Undergraduate Requirements:

Foreign Language 6 hours or passage of Arizona classroom proficiency exam

CORE EDUCATION REQUIREMENTS:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial in ESL	2 hours

ENGLISH AS A SECOND LANGUAGE REQUIREMENTS:

ESL 514	Inter-Cultural Communications	3 hours
ESL 520	Emergent Language and Beginning Linguistics	3 hours
ESL 523	English Language Teaching Foundations and Methodology	3 hours
ESL 530	Advanced Grammar for English Language Teaching	3 hours
ESL 610	Advanced Language Teaching Methodologies and Assessment	3 hours
ESL 611	Language Teaching Curriculum and Materials Design	3 hours
ESL 680	Internship in ESL or TESL	3 hours

Total Degree Hours 38

* Compliance with the Arizona Department of Education ESL Endorsement (valid for grade level of teaching) Certificate

*** PROGRAM OF STUDY FOR URBAN EDUCATION****PREREQUISITES:**

Bachelor's Degree
Admission to the M.A. Program

CORE EDUCATION REQUIREMENTS:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 572	Leadership Development	3 hours
EDU 598	Master Seminars	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research/Writing Tutorial	2 hours
EDU 680	Internship	2 hours

URBAN EDUCATION REQUIREMENTS:

URB 500	The City: The Urban Educator's Classroom	3 hours
URB 501	Unfolding the Logos of World Civilization	3 hours
URB 502	Urban Social Change	3 hours
URB 503	Counseling and Development in a Multicultural Context	3 hours
URB 504	The Urban Educator's Worldview	3 hours
URB 505	The Nature of the Non-Western World	3 hours

Total Degree Hours 37

* This program does not lead to K-12 certification for teaching. Grand Canyon University reserves the right to delay the program if enrollment does not meet the minimum requirement. URB courses as well as EDU 572 will be taught at the Los Angeles Field Site in California.

EDUCATION**EDU 103 3 hours**
Learning Strategies for College Success

Every semester. Designed to reinforce and develop the reading/learning strategies needed for success in college courses. Emphasis is placed on comprehension, vocabulary development, writing process, study strategies, effective reading techniques, time management and test-taking techniques. Literature studies included.

EDU 113 3 hours
Learning Strategies for College Success

Every semester. Continuation of EDU 103 for those students desiring further development in this area.

EDU 303 3 hours
Foundations of Education

Every semester. A study of the historical, philosophical, and sociological influences which have shaped American education, the issues faced by educators today, and the challenges of the future which await persons now entering the teaching profession. The course is designed for students who have already committed themselves to a career in education or are exploring a career in education. Includes a first phase observation in the K-12 classroom. Prerequisite: Sophomore status.

EDU 313 3 hours
Educational Psychology

Every semester and every Summer. A thematically arranged study of the theories and principles of psychology which have influenced learning and teaching techniques. Included are such topics as child development, learning, motivation, and evaluation. Prerequisites: PSY 101, PSY 353 or PSY 373.

EDU 355 3 hours
Using Computers in the Classroom

Fall, 1991, and alternate years. This course will provide a basic knowledge of computers as related to education: How they work, what they can do for us, and current issues in all teaching disciplines. It will also give practical experience enabling the student to use the computer as a tool in teaching.

EDU 363 2 - 3 hours
Instructional Technology

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

EDU 396 2 hours
Education Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

- EDU 413** **2 hours**
Tests and Measurements
 Every semester and every Summer. Deals with the philosophy of testing, the construction of tests, and the actual administration and interpretation of tests. Examination of sample tests. Students select either high school or elementary tests for study and engage in test construction in either field. Prerequisites: EED 323 or EED 343 or SED 442, EDU 303, EDU 313, and admittance to the teacher education program.
- EDU 420** **2 hours**
Orientation to Student Teaching
 Every semester. Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences. Administrators and supervisors from public schools are invited to participate in this orientation as are other professional personnel. Additional instruction is given by the faculty of the College of Education. Prerequisites: All required courses for certification except EDU 430, SED 443 and student teaching.
- EDU 430** **3 hours**
Classroom Management
 Every Fall and every Spring. Designed to allow the prospective teacher the opportunity to learn techniques involved in the successful management of a learning environment. Major emphasis is given to the establishment of a realistic discipline plan. Prerequisites: All required courses for certification except EDU 420, SED 443 and student teaching.
- EDU 463** **3 hours**
Presentational Technology
 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 Human Resource Development, Communications, and Business. Prerequisites: CSC 180A, CSC 180B, SPC 113.
- EDU 570** **3 hours**
Philosophical/Social Issues in Education
 Every semester and every Summer. 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 semester and every Summer. 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. Case studies 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.
- EDU 572** **3 hours**
Leadership Development
 Fall, 1992, and alternate years. Various models, definitions, and case studies of leadership are examined within the context of the educational spectrum. The different roles and character formation of the leader are presented. Both the theory and methods of mentoring are studied as essential for the multiplication of strategically-minded leaders. Prerequisites: Admittance to the M.A. Program, EDU 570, EDU 571.
- EDU 580/680** **1 - 2 hours**
Internship
 Every semester and every Summer on demand. 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 hour**
Masters Seminars
 Every semester and every Summer on demand. The Masters Seminar provides a forum for scholarly exchange among students at the M.Ed. or M.A. level. This exchange includes student presentations, guest lecturers, faculty presentations, or other mini-courses deemed necessary for the well-rounded and prepared Master's candidate. A minimum of three Masters Seminars are required for both the M.Ed. and M.A. program. Prerequisite: EDU 303 or EDU 570 or Senior (undergraduate) status.
- EDU 599/699** **1 - 2 hours**
Independent Study
 Every semester and every Summer on demand. 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 and every Summer on demand. 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, 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 as well as allow students to produce their own research project. Prerequisites: Admittance to the M.Ed. or M.A. program, EDU 413, EDU 570, EDU 571, EDU 612.

EDU 614 **2 hours**
Research and Writing Tutorial

Every Spring and every Summer on demand. 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 the various facets of communicating educational research, implement the research proposal of EDU 613 and submit a manuscript for a publication or formal presentation. There will be an emphasis on how to publish research work or curriculum materials. Prerequisites: Admittance to the M.Ed. or M.A. program and EDU 613, EDU 570, EDU 571, EDU 598, EDU 612.

ELEMENTARY EDUCATION

EED 313 **3 hours**
Early Childhood Education

Every Spring on demand. Considers philosophy, principles, practices, and problems of curriculum at the nursery-kindergarten level. Approaches to creative teaching and learning through motivation, environmental changes, and experimentation.

EED 323 **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: EDU 303 or EDU 570, a laboratory science course, EDU 313, COM 123 and admittance to the teacher education program.

EED 340 **2 hours**
Emergent Language

Every semester and every Summer. This course is designed to familiarize students with emergent language and early linguistic development. Emphasis will be placed on oral and written language development and the implications of this development on language, learning, curriculum, transformational grammar and 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 new approaches in teaching and developing creative activities to involve students in the language arts curriculum. Laboratory experiences will include multicultural classrooms. Prerequisites: EDU 303 or EDU 570, EED 340, ENG 101, ENG 102, COM 123, and admittance to the teacher education program.

EED 403 **3 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 303, EDU 313, EED 323, MAT 113, MAT 114, Senior status and admittance to the teacher education program.

EED 433 **4 hours**
Curriculum and Methods: Reading/Decoding

Every semester. Techniques for teaching all aspects of reading through various approaches as well as emphasizing how to develop life-long readers. Must be taken concurrently with EED 443. Prerequisites: EDU 303, EED 340, EED 343, Senior status and admittance to the teacher education program.

EED 443 **2 hours**
Reading 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. Taken concurrently with EED 433. Prerequisites: EDU 303 or EDU 570, EED 340, EED 343, Senior status 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 303, EDU 313, EED 323, EED 340, EED 343, HIS 103, HIS 104, POS 203, Senior status and admittance to the teacher education program.

EED 480 **8 hours**
Student Teaching: Elementary Grades

Every semester. The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for elementary certificate, a 2.5 GPA, 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 113, MAT 114, EDU 570, EDU 571, EED 323, and admittance to the M.Ed. program.

EED 533 **4 hours**
Curriculum and Methods: Reading/Decoding

Every semester. Techniques for teaching all aspects of reading through various approaches as well as emphasizing how to develop life-long readers. Current reading theory and research will be addressed and incorporated throughout the course. Consideration will be given to multicultural issues. EED 443 must be taken concurrently. Prerequisites: EDU 570, EED 340, EED 343, and admittance to the M.Ed. program.

EED 563 **Curriculum and Methods: Social Studies** **3 hours**

Every semester and every Summer. This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, available materials and resources, and current developments in the field. Laboratory experiences will include multicultural classrooms. Prerequisites: EED 323, EED 340, EED 343, EDU 570, EDU 571, HIS 103, HIS 104, POS 203, and admittance to the M.Ed. program.

EED 583 **Elementary School Mathematics** **3 hours**

Every Spring on demand. Contemporary mathematics programs in relation to content, materials and teaching strategies will be explored. Development of a math curriculum will enable K-8 students to gain mathematical competency according to their respective capabilities. Prerequisites: EED 403/503 and Elementary, Secondary, or Special Education Certificate.

EED 584 **Elementary School Science** **3 hours**

Every Fall on demand. A personal view of science and how it has shaped the way we think and behave will be explored. A teaching philosophy will be derived from the discipline of science and the way students learn. Application to the classroom will be an integral aspect of the course. Prerequisites: EED 323 and Elementary, Secondary, or Special Education Certificate.

READING EDUCATION

RDG 503 **Foundations in Reading** **3 hours**

Every Summer. 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 433/533, or SED 452/552.

RDG 504 **Innovative Reading Programs** **3 hours**

Every Fall. 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 433/533, SED 452/552.

RDG 505 **Diagnosis and Remediation of Reading Problems** **3 hours**

Every Summer. 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 433/533, SED 452/552, RDG 503, RDG 504.

RDG 606 **Research in Reading** **3 hours**

Every Spring. 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 433/533, SED 452/552, RDG 503, RDG 504, RDG 505.

RDG 680 **Internship in Reading** **3 hours**

Every semester. This course is designed for the student to spend 130 clock hours in a K-12 school or district-wide setting. The student will be involved with reading program development and supervision, and must demonstrate competence at a master teacher level. 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, EED 433/533, SED 452/552, RDG 503, RDG 504, RDG 505, RDG 606, and admittance to the M.A. program.

ENG 571 **Adolescent Literature** **3 hours**

Every Spring. A course for students who wish to read and examine literature being written for adolescents. Both traditional and the modern "realistic" novels for adolescents will be studied. Various teaching models for this genre will also be emphasized. Prerequisite: Bachelor's degree.

ENG 573 **Children's Literature and Storytelling** **3 hours**

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 literature and the techniques of storytelling are also studied. Prerequisite: Bachelor's degree.

SECONDARY EDUCATION

SED 442 **Secondary Methods** **3 hours**

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 303, EDU 313.

SED 443 **Secondary Curriculum Development** **2 hours**

Every semester and every Summer. A study of secondary school curriculum development. Consideration is also given to development of curriculum for adult learners as needed for Human Resource Development students. Major emphasis is given to planning instructional objectives, lesson planning and developing a model curriculum. Prerequisites: EDU 303, EDU 313, SED 442, SED 452, SED 462, and admittance to the teacher education program or human resource development program. Human Resource Development majors take this concurrently with HRD 301.

SED 452 3 hours**Learning Strategies for the Secondary School**

Every semester. This course is designed to help secondary and upper elementary teachers become aware of the reading/learning skills needed to be successful in content classes. Must be taken concurrently with SED 462. Prerequisites: EDU 303, EDU 313, and admittance to the teacher education program.

SED 462 2 hours
Secondary Practicum

Every semester. A school-centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students in reading content classes. Must be taken concurrently with SED 452. Prerequisites: EDU 303 or EDU 570, EDU 313 or EDU 571, 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 teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for a secondary certificate, completed major, a 2.5 GPA, admission to the teacher education program, and Senior status. Credit only, no grade is given.

SED 543 2 hours
Secondary Curriculum

Every semester and every Summer. Various orientations to curriculum development will be investigated. Emphasis is given to planning instructional objectives and developing a model curriculum. Prerequisites: EDU 570, EDU 313 or EDU 571, SED 442, SED 552, SED 362, and admittance to the M.Ed. program.

SED 552 3 hours
Learning Strategies for the Secondary School

Every semester. This course is designed to help secondary teachers become aware of reading/learning needs of high school students. Investigation into secondary reading programs and the designing of a program that integrates content and reading is also a component of this course. 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 323 3 hours
Orientation to the Exceptional Child

Every semester. Introduction to the various categories of exceptionalities, with their characteristics. Prerequisite: EDU 303.

SPE 353 3 hours
Survey of Learning Disabilities

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

SPE 363 3 hours
Methods of Teaching Children with Learning Disabilities

Every Fall, and even year Summers. Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. Prerequisites: SPE 323, SPE 353, and admittance to the teacher education program.

SPE 383 3 hours
Survey of Educating Children with Emotional Handicaps

Every Fall, and even year Summers. A general study of characteristics of emotionally handicapped or socially maladjusted individuals and educational programs available for them. Prerequisite: SPE 323.

SPE 393 3 hours
Methods of Teaching the Emotionally Handicapped Child

Every Spring, and odd year Summers. Methods and techniques of planning and implementing instructional programs for children with emotional handicaps. Prerequisites: SPE 323, SPE 383, and 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 2.5 GPA, and admission to the teacher education program. Credit only, no grade is given.

SPE 418 8 hours
Student Teaching in Special Education: Emotionally Handicapped

Every semester. A practicum course designed to give the student teacher experience in teaching children with emotional handicaps. All-day assignment for nine weeks in an approved school. Prerequisites: Required courses for Special Education Certificate, a 2.5 GPA, and admission to the teacher education program. Credit only, no grade is given.

SPE 433 3 hours
Diagnosis of Learning Needs of Exceptional Children

Every Spring. Characteristics and uses of diagnostic instruments which can be used to identify, evaluate, and assess learning needs of exceptional students. Prerequisites: SPE 323 and admittance to the teacher education program.

SPE 500 3 hours
The Gifted Child

Every Summer on demand. This course is essential for educators contemplating working with gifted and talented children. Its content encompasses philosophy, history, research, characteristics, educational programs, and screening and identification techniques. Prerequisite: Senior status or graduate student.

SPE 515 **Teaching the Gifted Child** **3 hours**

Every Fall on demand. The approach to teaching and selection of subject matter for the gifted should be identifiably different. There are several teaching/learning models, which if applied, will enable the teacher to make content, process, product, and learning environment modifications for the gifted. The goal of this course is to teach, through examples and informational products, a variety of the methods for teaching gifted individuals. Prerequisite: SPE 500.

SPE 520 **Instructional Strategies in Gifted Education** **3 hours**

Every Spring on demand. This course delineates diagnostic and prescriptive approaches for meeting the instructional needs of gifted/talented students. Teaching strategies and curricular materials will be examined to determine their appropriateness for the gifted/talented. Prerequisites: SPE 500, SPE 515.

SPE 525 **Curriculum Development in Gifted Education** **3 hours**

Every Summer on demand. This is designed for teachers of the gifted who have completed the basic courses in teaching the gifted. It provides a structured format for assisting the teacher in developing a curriculum for gifted and talented students. Students enrolling in this course are given individual assistance and feedback and are provided with weekly seminars on topics identified as useful in helping with their step-by-step curriculum development. Prerequisites: SPE 500, SPE 515, SPE 520.

SPE 533 **Diagnosis of Learning Needs of Exceptional Children** **3 hours**

Every Spring. Characteristics and uses of diagnostic instruments which can be used to identify, evaluate, and assess learning needs of exceptional students. Prerequisite: SPE 323.

SPE 580/680 **Internship in Gifted Education** **6 hours**

Every semester and Summer on demand. The student is assigned to an approved, experienced teacher or coordinator of programs for the gifted for six weeks. The internship is individualized and arrangements are based on student needs. Prerequisites: 12 hours in SPE 500, SPE 515, SPE 520, SPE 525, or SPE 533.

TEACHING ENGLISH AS A SECOND LANGUAGE

ESL 514 **Inter-Cultural Communications** **3 hours**

Fall on demand. This course seeks to provide a framework upon which individuals can build a culturally appropriate approach to crosscultural exchange. The course will provide students with skills for understanding people of other cultures through the examination of demographics of a targeted culture and population.

ESL 520 **Emergent Language and Beginning Linguistics** **3 hours**

Every semester 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, transformational grammar and patterns of communication among cultures.

ESL 523 **English Language Teaching Foundations and Methodologies** **3 hours**

Every Summer on demand. Through this course the historical, legal, theoretical, and sociological foundations of programs of instruction for non-English language background students are presented. The study of models, prototypes and methodologies for ESL instruction is included.

ESL 530 **Advanced Grammar for English Language Teaching** **3 hours**

Fall on demand. A descriptive grammar of English, this course is specifically designed to aid teacher's understanding of the nature of language and the processes of language use.

ESL 580/680 **Internship in ESL or TESL** **3 hours**

Every semester on demand. The student is assigned to an approved, experienced teacher or coordinator of programs for ESL or TESL for four weeks. The internship is individualized and arrangements can be made based on student needs. Prerequisites: ESL 514, ESL 520, ESL 523.

ESL 610 **Advanced Language Teaching Methodologies and Assessment** **3 hours**

Spring on demand. A thorough examination of available methodologies, underlying philosophies, and assessment procedures. Included are lessons in teaching the four recognized skill areas (listening, speaking, reading, writing) within the content areas and the use of standard tests. Prerequisite: ESL 523.

ESL 611 **Language Teaching Curriculum and Materials Design** **3 hours**

Summer 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 **The City: The Urban Educator's Classroom** **3 hours**

Fall, 1991, and alternate years. Historically, the city has been the center of learning for all major cultures, and has impacted the very nature and process by which learning occurs. As an introduction, this course is designed to familiarize the educator with an historical and global overview of the emerging urban world, and the unique role of the educator in responding to God's mandate to minister in the city. Prerequisite: Admittance to the M.A. program.

URB 501 **3 hours**
Unfolding the Logos of World Civilization

Fall, 1991, and alternate years. This course explores the logos of world civilization as seen from historical, Biblical, cultural, and strategic perspectives. As a foundational course for the M.A. in Urban Education, it is not only intended to convey information, but to precipitate transformation of the student's world view. Prerequisite: Admittance to the M.A. program.

URB 502 **3 hours**
Urban Social Change

Spring, 1992, and alternate years. An exploration of the literature and contemporary case studies of the Christian urban educator as a change agent, holistic catalyst, and mentor. Attention is given to the analysis of social transformation through the creation of committed communities. Prerequisites: Admittance to the M.A. program and Masters Seminar: Decoding the City, URB 500, URB 501.

URB 503 **3 hours**
Counseling and Development in a Multicultural Context

Spring, 1992, and alternate years. This course is designed to familiarize the student with various schools of counseling thought. Focusing on both practice and theory, and highlighting cross-cultural elements, this course will equip the educator with basic counseling, consulting and problem-solving skills. Prerequisites: Admittance to the M.A. program, URB 500, URB 501.

URB 504 **3 hours**
The Urban Educator's Worldview

Fall, 1992, and alternate years. Designed to train the educator to analyze and articulate his or her own presuppositions, norms, and values from a Judeo-Christian framework in order to provide an evaluative base of other worldview systems and educational proposals. Prerequisites: Admittance to the M.A. program, URB 502, URB 503.

URB 505 **3 hours**
The Nature of the Non-Western World

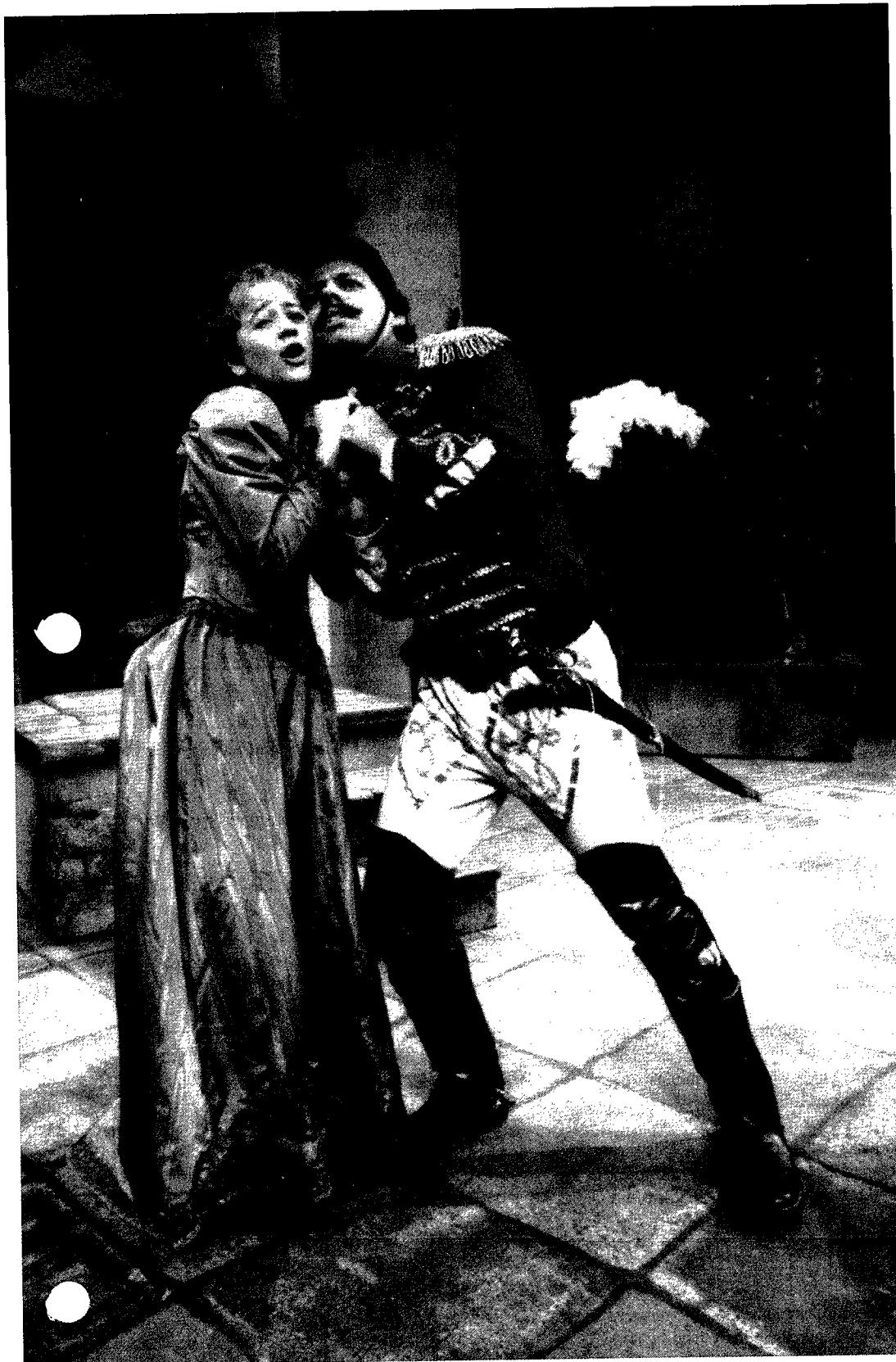
Spring, 1993, and alternate years. This course will explore the ancient rituals, traditions, and modern ideas by which two-thirds of the world's people now live. The educator will become familiar with and equipped for interaction with the assumptions, belief systems, and cultural ways that have yielded profoundly different societies in the non-western world. Prerequisites: Admittance to the M.A. program, URB 504.







College of Performing Arts



College Description

Degree Requirements

Communications

Communications/
Commercial Music

Speech/Theatre

Theatre/Drama

Course Descriptions

Degree Requirements

Applied Music
(Music Performance)

Church Music

Music Education

Piano Performance

Vocal Performance

Course Descriptions

COLLEGE DESCRIPTION

The College of Performing Arts has available to students the following degrees, as well as a wide variety of electives:

Bachelor of Arts

Communications
Communications/Commercial Music
Music Performance (Applied Music)
Speech/Theatre
Theatre/Drama

Bachelor of Music

Church Music
Piano Performance
Vocal Performance

Bachelor of Science

Music Education
(Certification is required)

The following minors are also offered:

Music
Music Education
Speech
Theatre

The College is dedicated to developing the talent 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 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 Performing 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 and concerts by regular performing groups, 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.

Music, Theatre and Speech scholarships are available by audition.

Specific policies and procedures for music majors and minors are listed in the Music Student Handbook which is available in the College of Performing Arts office. Majors and minors are responsible for meeting these requirements.

The College of Performing 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 majors and Communications/Commercial Music majors are offered a unique interdisciplinary field of study.

COMMUNICATIONS

The Communications major offers a unique interdisciplinary field of study. Course work comes from the areas of Art, Business Administration, English, Journalism, Philosophy 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 master's 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 2.5 on all work taken as well as a 2.5 GPA in residence at Grand Canyon University.
2. Completion of the lower division courses in the Communications major.
3. Completion of the General Studies English requirements.
4. Pass the Writing Proficiency Examination.
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 Communications program.

DEGREE REQUIREMENTS — COMMUNICATIONS (B.A. DEGREE)

General Studies (pg. 46-47)

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

Additional Emphasis Hours Required (pg. 129)

Minor Required

Communications Major Core

ART 201	Photography I	3 hours
CSC 180	Microcomputer Applications	3 hours
DGN 223	Advertising Design	3 hours
EDU 363	Instructional Technology	3 hours
ENG 301	Advanced Composition	3 hours
ENG 313	Business and Technical Writing	3 hours
JRN 200	News Writing and Reporting	3 hours
JRN 314	Small Newspaper I	3 hours
PHI 311	Business Ethics	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 398	Communications and the Media	3 hours

Total Core Hours 33

Additional Emphasis Requirements (Select One)

1. Journalism Emphasis

CC 399	Journalism Practicum	6 hours
ENG 314	Advanced Grammar	3 hours
ENG 401	Seminar in Writing (Journalism)	3 hours
JRN 300	Advanced News Writing and Reporting	3 hours
JRN 414	Small Newspaper II (2 semesters)	6 hours

Total Emphasis Hours 21

2. Photojournalism Emphasis

ART 301	Photography II	3 hours
ART 481	Studio Problems and Techniques (Photojournalism and Photo Interpretation)	6 hours
COM 399	Photojournalism Practicum	6 hours
DGN 112	Two-Dimensional Design	3 hours
JRN 414	Small Newspaper II (Photographer)	3 hours

Total Emphasis Hours 21

3. Public Relations Emphasis

COM 310	Principles of Public Relations	3 hours
COM 399	Public Relations Practicum	6 hours
JRN 300	Advanced News Writing and Reporting	3 hours
MKT 301	Principles of Marketing	3 hours
MKT 304	Advertising Principles	3 hours
SPC 292	Group Discussion	3 hours
SPC 311	Advanced Public Speaking	3 hours

Total Emphasis Hours 24

4. Broadcasting Emphasis

COM 301	Broadcasting	3 hours
COM 399	Broadcasting Practicum	6 hours
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

Total Emphasis Hours 21

DEGREE REQUIREMENTS —

* COMMUNICATIONS/COMMERCIAL MUSIC (B.A. DEGREE; No Minor Required)

General Studies (pg. 46-47)

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

Communications/Commercial Music Major

** Communications Core

ART 201	Photography I	3 hours
CSC 180	Microcomputer Applications	3 hours
DC 123	Advertising Design	3 hours
ED 363	Instructional Technology	3 hours
ENG 301	Advanced Composition	3 hours
ENG 313	Business and Technical Writing	3 hours

JRN 200	News Writing and Reporting	3 hours
JRN 314	Small Newspaper I	3 hours
PHI 311	Business Ethics	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 398	Communications and the Media	3 hours

Total Communications Core Hours 33

Commercial Music

MAP —	Applied Instrument (14 hours recommended, 7 hours audit)	7 hours
MEN —	Ensemble Section (One per semester)	8 hours
MUS 191	Elementary Music Theory I	4 hours
MUS 192	Elementary Music Theory II	4 hours
MUS 220	Modern Rhythms and Styles I	2 hours
MUS 221	Modern Rhythms and Styles II	2 hours
MUS 315	Basic Modern Arranging I	2 hours
MUS 316	Basic Modern Arranging II	2 hours
MUS 317	Jazz/Commercial Music Conducting and Rehearsal Techniques	2 hours
MUS 320	Jazz Improvisation	1 hour
MUS 350	Commercial Music	3 hours
MUS 412	Advanced Arranging I	2 hours
MUS 413	Advanced Arranging II	2 hours
MUS 415	Recording Studio Producing	2 hours
MUS 491	Career Plan and Portfolio	2 hours
MUS 009	Recital Attendance (8 semesters)	0 hours

Total Commercial Music Core Hours 45

* Admission to the Communications Degree Program is required.

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

SPEECH/THEATRE

The Theatre Area, in cooperation with the Music Area, produces the **Ethington Theatre Series** which presents five major productions annually; auditions for these productions are open to the entire student body. The Speech Area also supports a speech team that competes in contests each year and offers a variety of performance opportunities for speech team members.

Word Power, Inc. is dedicated to sharing and spreading Christ's love through dramatic presentations and creative worship. Participation is through audition.

Theatre or Speech scholarships are available by audition.

DEGREE REQUIREMENTS — SPEECH/THEATRE (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

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 and Design	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.

DEGREE REQUIREMENTS — THEATRE/DRAMA (B.A. DEGREE)

General Studies (pg. 46-47)

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

Minor Required

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

Total Major Hours 45

MINOR REQUIREMENTS — SPEECH

SPC 113	Fundamentals of Speech	3 hours
SPC 200, 300	Speech Participation	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

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

Total Minor Hours 19

COMMUNICATIONS

COM 123 3 hours Dramatic Arts for Teachers

Every semester. Designed to acquaint prospective teachers with the importance of performance in the classroom. Emphasis is placed on teacher improvisation, performance and individual style. Students will participate in group presentations, role playing, simulation and individual performance. Required for education majors.

COM 301 3 hours Broadcasting

Every semester. An overview of broadcasting for radio/television. Theory and practice to include: speaking, audio production, video production, lighting, and programming.

COM 310 3 hours Principles of Public Relations

Every semester. 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.

COM 399 1 - 4 hours Practicum

On demand. See page 38-39.

COM 499 1 - 4 hours Independent Study

On demand. See page 38.

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 drama.

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, 1993, and alternate years. The study of the communicative 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.)

Every semester. Select auditioned ensemble. Provides opportunity for a wide variety of performance experiences: church, community, and competition. Prerequisite: 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 320 **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.

SPC 396 **2 hours**
Speech Tutoring

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

SPC 398 **3 hours**
Communications and the Media

Every Spring. A study of communication techniques for mass media, with emphasis on oral communications. Advertising, news reporting, programming, and children's television will be explored. Prerequisite: Junior or Senior status or instructor's approval.

SPC 399 **1 - 4 hours**
Practicum

On demand. See page 38-39.

SPC 499 **1 - 4 hours**
Independent Study

On demand. See page 38.

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 construction, lighting, costuming, properties, and make-up. 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 coordination, grace, physical presence and facility in the actor, vocalist, teacher, athlete, and other persons involved in public performance. Two hours per week in studio work, and participation in productions.

TRE 200 **1 hour**
Theatre Participation

Every semester. As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management, or related fields. Prerequisite: Instructor's approval.

TRE 241 **3 hours**
Stage Make-up

On demand. 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** **Christian Drama** **3 hours**
On demand. Also **MIN 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. The student may choose to write original 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.
- TRE 300** **Theatre Participation** **1 hour**
Every semester. As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management, or related fields. Prerequisite: Instructor's approval.
- TRE 340** **Stagecraft** **3 hours**
Every semester. The study of set construction, lighting, costuming, properties, and make-up. Practical application of the above to be gained through University practicums. May be repeated for credit once.
- TRE 345** **Scene Design** **3 hours**
On demand. A study of the theories and practices of designing for the stage. Prerequisites: TRE 140, TRE 340.
- TRE 346** **Costume Design** **3 hours**
On demand. 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 370** **Theatre History I (Greeks to Restoration)** **3 hours**
Spring, 1993, 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** **Theatre History II (18th Century to Present)** **3 hours**
Spring, 1992, 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 375** **Dramatic Literature I** **3 hours**
Fall, 1991, 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** **Dramatic Literature II** **3 hours**
On demand. 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** **History and Literature of the Lyric Stage** **3 hours**
On demand. In-depth study of the lyric stage; divided into three categories: sacred music drama, from the Medieval music plays to contemporary church musicals; general music drama, from opera to Broadway musical; children's musical theatre, both for children and with children. Open to non-majors.
- TRE 399** **Practicum** **1 - 4 hours**
On demand. See page 38-39.
- TRE 400** **Theatre Participation** **1 hour**
As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management, or related fields. Prerequisite: Instructor's approval.
- TRE 440** **Stage Lighting and Design** **3 hours**
Spring, 1992, 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** **Acting III - Scene Study** **3 hours**
On demand. 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** **Stage Direction** **3 hours**
Spring, 1992, 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** **Independent Study** **1 - 4 hours**
On demand. See page 38.

DEGREE REQUIREMENTS — APPLIED MUSIC (B.A. DEGREE)

Get  Studies (pg. 46-47)

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

Additional Emphasis Hours Required

Minor Required

Music Core Hours

MAP —	Major Applied Instrument or Voice	8 hours
MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
* MEN —	Major Ensemble (one per semester)	8 hours
MUS 009	Recital Attendance (8 semesters)	0 hours
MUS 191, 192,		
291, 292	Theory	16 hours
MUS 371, 372	Music History I, II	6 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hours
**	Piano Proficiency	0 hours

Total Music Core Hours 47

* ALL music 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 Performing Arts includes a minimal level of piano performance as a requirement for graduation for all music majors. Four semesters of applied piano are required to help students achieve that basic skill and to pass the piano proficiency exam. If the proficiency is not passed by the fourth semester, the student must register for piano every semester until the proficiency is completed. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

Additional Emphasis Requirements (Select One)

1. Classical Guitar

MAP —	Applied Classical Guitar	6 hours
MAP —	Applied Studio Guitar	2 hours
MAP —	Applied Piano	1 hour
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 13

(Of the 16 hours of applied guitar taken, 14 are to be of classical guitar, and 2 of studio.)

2. 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.

MAP —	Major Applied Instrument	8 hours
MAP —	Applied Piano	1 hour
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 13

3. Organ

MAP —	Applied Organ	8 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 421	Organ Literature and Accompaniment	1 hour
MUS 429	Accompanying	1 hour

Total Emphasis Hours 12

4. Piano

Students planning to choose piano as a major emphasis must demonstrate an acceptable level of technique and repertoire. Students must be able to play standard piano literature (easier Beethoven and Haydn Sonatas, Bach Preludes and Fugues, Scarlatti Sonatas, etc. . . .). Students who have not reached this level will only 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 piano major. This applies to all degree plans.

MAP —	Applied Piano	8 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 373	Piano Literature I	2 hours
MUS 374	Piano Literature II	2 hours
MUS 391	Counterpoint	2 hours
MUS 425	Piano Pedagogy I	2 hours
MUS 426	Piano Pedagogy II	2 hours
MUS 429	Accompanying	1 hour

Total Emphasis Hours 19

5. Studio Guitar

MAP —	Applied Studio Guitar	4 hours
MAP —	Applied Classical Guitar	4 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MED 351	Instrumental Music Organization	2 hours
MUS 320	Jazz Improvisation	1 hour
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 13

(Of the 16 hours of applied guitar taken, 12 are to be of studio guitar and 4 of classical guitar.)

6. Vocal

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 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.

MAP —	Applied Voice	8 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 111, 112		
211	Italian, French, German Diction	3 hours
MUS 391	Counterpoint	2 hours
MUS 375, 376	Song Literature I, II	4 hours
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 19

MINOR REQUIREMENTS — MUSIC

MAP —	Major Applied Instrument or Voice	4 hours
	(Music minors choosing piano as their major applied instrument must pass the piano proficiency exam.)	
MAP —	Secondary Applied Piano or Voice	3 hours
MEN —	Ensemble (over 3 semesters) or	
MUS 429	Accompanying	3 hours
MUS 009	Recital Attendance (4 semesters)	0 hours
MUS 111, 112,		
211	Italian, French, German Diction	
	(Voice Emphasis Only)	(3 hours)
MUS 191	Elementary Theory I	4 hours
MUS 281, 381	Fundamentals of Conducting or	
	Conducting I	2 hours
MUS 371, 372	Music History I or II	3 hours

Total Minor Hours 19 (22)

RECOMMENDED ELECTIVES

MED 232, 241,		
251, 262	Instrument Classes	2 hours
MUS 373, 374,		
375, or		
376	Piano or Song Literature	2 hours
MUS 481	Vocal Methods and Pedagogy	2 hours

DEGREE REQUIREMENTS — CHURCH MUSIC (B.M. DEGREE; No Minor Required)

General Studies (pg. 46-47)

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

Additional Emphasis Hours Required

Music Core Hours

MAP —	Major Applied Instrument or Voice	8 hours
MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
*MEN —	Major Ensemble (one per semester)	8 hours
MUS 009	Recital Attendance (8 semesters)	0 hours
MUS 191, 192,		
291, 292	Theory	16 hours
MUS 371, 372	Music History I, II	6 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hour
**	Piano Proficiency	0 hours

Total Music Core Hours 47

* ALL Bachelor of Music (B.M.) majors must complete eight semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the eight may be taken for credit or audit.

** The College of Performing Arts includes a minimal level of piano performance as a requirement for graduation for all music majors. Four semesters of applied piano are required to help students achieve that basic skill and to pass the piano proficiency exam. If the proficiency is not passed by the fourth semester, the student must register for piano every semester until the proficiency is completed. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

Church Music Core Hours

MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MCH 003	Southern Baptist Church Music	
	Conference (8 semesters)	0 hours
MCH 320	Choir Methods I	2 hours
MCH 321	Choir Methods II	2 hours
MCH 330	Instrumental Music in the Church	2 hours
MCH 471	Choral Literature	3 hours
MCH 372	Hymnology	3 hours
MCH 378	Music In Worship	3 hours
MCH 405	Church Music Seminar/Practicum	2 hours
MUS 226	Handbell Techniques	2 hours
MUS 382	Conducting II	2 hours
MUS 391	Counterpoint	2 hours
MUS 403	Advanced Rehearsal Techniques	2 hours
Electives from the following:		8 hours
(Conducting Emphasis - 6 hours)		

MED 232, 241,		
251, 262	Instrument Classes	
MUS 219	Opera Workshop	
MUS 318	Recording Studio Performance	
MUS 411	Choral Arranging	
MUS 462	Orchestration	
TRE 140	Stagecraft	
TRE 270	Christian Drama	
SPC 398	Communications and the Media	

Total Church Music Core Hours 33

Additional Emphasis Requirements (Select One)

1. Choral Conducting

The conducting emphasis requires a junior recital in voice, solo instrument, or keyboard and a senior conducting recital.

MAP —	Major Applied	4 hours
MAP —	Secondary Applied	
	(Instrument and Voice Majors: Piano;	
	Keyboard Majors: Voice)	2 hours
MAP —	Applied Voice (Instrument Majors Only)	(2 hours)
MAP 394	Applied Conducting	4 hours
MUS 111, 112,		
211	Italian, French, German Diction	3 hours
MUS 385	Conducting Seminar	1 hour
MUS 405	Conducting Practicum	1 hour
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 17 (19)

(Formal admittance into the Conducting emphasis should occur upon satisfactory completion of MUS 381 Conducting I and an interview with the conducting faculty.)

2. Instrumental

MAP —	Major Applied Instrument	8 hours
MAP 119, 219	Applied Voice	3 hours
Total Emphasis Hours		11

3. Keyboard

MAP —	Major Applied Keyboard	8 hours
MAP —	Secondary Applied Keyboard	2 hours
MAP —	Applied Voice	2 hours
MUS 429	Accompanying	2 hours
Total Emphasis Hours		14

4. Vocal

MAP —	Applied Voice	8 hours
MUS 111, 112,		
211	Italian, French, German Diction	3 hours
MUS 481	Vocal Methods and Pedagogy	2 hours
Total Emphasis Hours		13

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

General Studies For Teacher Education Programs (pg. 114)

Certification Required

Additional Emphasis Hours Required

One who desires to work toward certification for teaching music in elementary or high school works toward a Bachelor of Science, following the General Studies for Teacher Education Programs as outlined on page 114. For the major in music education, one meets all basic requirements listed below plus the special requirements listed in the fields of concentration. The student also meets the requirements for Elementary or Secondary Certification (see pg. 114, 115, and 116) which, together with the requirements for the major in music education, will entitle the graduate to a K-12 Endorsement to teach music in public schools. Before being admitted to student teaching in music, one must also meet the College of Performing Arts prerequisites to student teaching.

Music Core Hours

MED 003	Music Educator's National Conference (4 semesters membership)	0 hours
MAP —	Major Applied Instrument or Voice	7 hours
MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
*MEN —	Major Ensemble (one per semester)	7 hours
MUS 009	Recital Attendance (7 semesters)	0 hours
MUS 191, 192,		
291, 292	Theory	16 hours
MUS 371, 372	Music History I, II	6 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hours
** —	Piano Proficiency	0 hours
Total Music Core Hours		45

* 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 Performing Arts includes a minimal level of piano performance as a requirement for graduation for all music majors. Four semesters of applied piano are required to help students achieve that basic skill and to pass the piano proficiency exam. If the proficiency is not passed by the fourth semester, the student must register for piano every semester until the proficiency is completed. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

Music Education Core

Elementary Education Major or Secondary Certification		36 - 47 hours
MED 232, 241,		
251, 262	Instrument Classes	4 hours
MED 381	Music in Elementary Grades	3 hours
MED 382	Music in Junior and Senior High School	3 hours
MUS 167	Classical Guitar	1 hour
MUS 382	Conducting II	2 hours
Total Music Education Core Hours		49 - 60

Additional Emphasis Requirements (Select One)

1. Instrumental

MAP 390	Junior Recital	0 hours
MED 351	Instrumental Music Organization	2 hours
MUS 320	Jazz Improvisation	1 hour
MUS 462	Orchestration	2 hours
MUS 481	Vocal Methods and Pedagogy	2 hours
Total Emphasis Hours		7

2. Piano/Organ

Students planning to choose piano as a major instrument must demonstrate an acceptable level of technique and repertoire. Students must be able to play standard piano literature (easier Beethoven and Haydn Sonatas, Bach Preludes and Fugues, Scarlatti Sonatas, etc . . .). Students who have not reached this level will only 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 piano major. This applies to all degree plans.

MAP 390	Junior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 411	Choral Arranging or	
MUS 462	Orchestration	2 hours
MUS 425, 426	Piano Pedagogy I, II	4 hours
MUS 429	Accompanying	1 hour
MUS 373	Piano Literature I	2 hours
MUS 374	Piano Literature II	2 hours
Total Emphasis Hours		13

3. Vocal

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.

MAP 390	Junior Recital	0 hours
MUS 111, 112,		
211	Italian, French, German Diction	3 hours
MUS 411	Choral Arranging	2 hours
MUS 375, 376	Song Literature I, II	4 hours

Total Emphasis Hours 9

4. Choral Conducting

MAP —	Major Applied, Jr./Sr., (3 audit hours)	0 hours
MAP 394	Applied Conducting (also 2 hours audit)	2 hours
MAP 490	Senior Recital	0 hours
MUS 111, 112,		
211	Italian, French, German Diction	3 hours
MUS 385	Conducting Seminar	1 hour
MUS 391	Counterpoint	2 hours
MUS 403	Advanced Rehearsal Techniques	2 hours
MUS 411	Choral Arranging	2 hours
MUS 471	Choral Literature	3 hours
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 17

(MED 381 Not Required for Secondary Certification)

5. Instrumental Conducting

MAP —	Major Applied Instrument (7 audit hours)	0 hours
MAP —	Applied Piano	1 hour
MAP 490	Senior Recital	0 hours
MED 351	Instrumental Music Organization	2 hours
MED 442	Instrumental Literature and Pedagogy	2 hours
MUS 391	Counterpoint	2 hours
MUS 403	Advanced Rehearsal Techniques	2 hours
MUS 405	Conducting Practicum	1 hour
MUS 462	Orchestration	2 hours
MUS 481	Vocal Methods and Pedagogy	2 hours

Total Emphasis Hours 14

(MED 381 Not Required for Secondary Certification)

MINOR REQUIREMENTS — MUSIC EDUCATION

MAP —	Major Applied Voice or Instrument	4 hours
MAP —	Secondary Applied in Piano or Voice	2 hours
(Music minors choosing piano as their major applied instrument must pass the piano proficiency exam.)		
MED 232, 241,		
251, 262	Instrument Classes	2 hours
MED 381	Music in the Elementary Grades or	
MED 382	Music in the Junior and Senior High School	3 hours

MEN —	Ensemble (over 3 semesters) or	
MUS 429	Accompanying	3 hours
MUS 009	Recital Attendance (4 semesters)	0 hours
MUS 111, 112,		
211	Italian, French, German Diction (voice emphasis only)	(3 hours)
MUS 191	Elementary Theory I	4 hours
MUS 371	Music History I or	
MUS 372	Music History II	3 hours
MUS 381	Conducting I	2 hours

Total Minor Hours 23 (26)

DEGREE REQUIREMENTS — PIANO PERFORMANCE (B.M. DEGREE; No Minor Required)

Students planning to choose piano as a major instrument must demonstrate an acceptable level of technique and repertoire. Students must be able to play standard piano literature (easier Beethoven and Haydn Sonatas, Bach Preludes and Fugues, Scarlatti Sonatas, etc. . . .). Students who have not reached this level will only 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 piano major. This applies to all degree plans.

General Studies (pg. 46-47)

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

Piano Performance Major

MAP —	Applied Piano	3 hours
MAP —	Applied Voice	1 hour
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
*MEN —	Major Ensemble (one per semester)	8 hours
MUS 191, 192,		
291, 292	Theory	16 hours
MUS 320	Jazz Improvisation	1 hour
MUS 371, 372	Music History I, II	6 hours
MUS 373, 374	Piano Literature I, II	4 hours
MUS 381	Conducting I	2 hours
MUS 391	Counterpoint	2 hours
MUS 392	Form and Analysis	3 hours
MUS 425, 426	Piano Pedagogy I, II	4 hours
MUS 429	Accompanying	2 hours
MUS 462	Orchestration	2 hours
— —	Language electives (French, German, Italian)	8 hours

Total Hours 94

Recommended Electives:

MAP 229	Applied Organ	1 hour
MUS 189	Chamber Music Ensembles	1 hour
MUS 219, 319	Opera Workshop	3 hours
TRE 150	Acting I	3 hours
SPC 378	Oral Interpretation of Literature	3 hours

* ALL Bachelor of Music (B.M.) majors must complete 8 semesters of ensemble participation according to emphasis (one semester per semester). Additional hours beyond the 8 may be taken for credit or audit.

DEGREE REQUIREMENTS — VOCAL PERFORMANCE
(B.M. DEGREE; No Minor Required)

General Studies (pg. 46-47)

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

Vocal Performance Major		
FRE 101	Elementary French I	4 hours
GER 101	Elementary German I	4 hours
Additional Foreign Language Electives (French, German, Italian)		8 hours
MAP —	Applied Voice	32 hours
MAP —	Applied Piano	4 hours
*MEN —	Major Ensemble (one per semester)	8 hours
MUS 191, 192, 291, 292	Theory	16 hours
MUS 111, 112, 211	Italian French, German Diction	3 hours
MUS 009	Recital Attendance	0 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 219	Opera Workshop	3 hours
MUS 371, 372	Music History I, II	6 hours
MUS 375, 376	Song Literature I, II	4 hours
MUS 381	Conducting I	2 hours
MUS 391	Counterpoint	2 hours
MUS 392	Form and Analysis	3 hours
MUS 481	Vocal Methods and Pedagogy	2 hours
** — —	Piano Proficiency	0 hours
Total Hours		101

Recommended Electives:	
TRE 150	Acting I
MUS 189	Chamber Music Ensembles
MUS 462	Orchestration
SPC 378	Oral Interpretation of Literature

* ALL Bachelor of Music (B.M.) majors must complete eight semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the eight may be taken for credit or audit.

** The College of Performing Arts includes a minimal level of piano performance as a requirement for graduation for all music majors. Four semesters of applied piano are required to help students achieve that basic skill and to pass the piano proficiency exam. If the proficiency is not passed by the fourth semester, the student must register for piano every semester until the proficiency is completed. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

MUSIC — APPLIED

All applied music courses are designed to be repeated once. Instructor's approval is necessary for all enrollments. See Music Student Handbook.

MAP 109 **Basic Piano** **1 hour**
Every semester. Private instruction for the non-music major with no previous piano training. A jury examination is not required. May be repeated to a maximum of four hours, but does not count toward a music major or minor.

MAP 119 **Applied Voice** **1 - 4 hours**
Every semester. A study of vocal technique, including fundamentals of voice production, principles of breathing, study of vowels, and essentials of tone production. Instruction includes vocalizing, phrasing, tone color, diction, style and interpretation of standard vocal repertoire.

MAP 219 **Applied Voice** **1 - 4 hours**
Every semester. Continuation of **MAP 119**. Prerequisite: MAP 119.

MAP 319 **Applied Voice** **1 - 4 hours**
Every semester. Continuation of **MAP 219**. Designed to prepare for Junior Recital. Prerequisites: MAP 219, Junior status, completion of Diction requirements and successful passing of a Voice Upper Level Proficiency Jury.

MAP 419 **Applied Voice** **1 - 4 hours**
Every semester. Continuation of **MAP 319**. Designed to work toward Senior Recital. Prerequisites: MAP 319 and Senior status.

MAP 129A **Applied Organ** **1 - 2 hours**
Every semester. Private instruction in the study of organ technique, including hymn and service playing. Repertoire includes the beginning of a progressive study of the works of Bach, Mendelssohn, Dupre, Franck, Brahms, Reubke, Vierne and modern composers. Attention is also given to accompaniment for solos, choral works and recital playing.

MAP 229A **Applied Organ** **1 - 2 hours**
Every semester. Continuation of **MAP 129A**. Prerequisite: MAP 129A.

MAP 329A **Applied Organ** **1 - 2 hours**
Every semester. Continuation of **MAP 229A**. Designed to prepare for a Junior Recital. Prerequisites: MAP 229A and Junior status.

MAP 429A **Applied Organ** **1 - 2 hours**
Every semester. Continuation of **MAP 329A**. Designed to prepare for a Senior Recital. Prerequisites: MAP 329A and Senior status.

MAP 129B **Applied Piano** **1 - 2 hours**
Every semester. Private instruction in the study of piano technique and literature including the passing of a piano proficiency exam if required under the applicable degree plan. The piano proficiency requirements are listed in the student handbook. Literature to be studied over a progression of semesters includes works by J. S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy and others.

MAP 229B Applied Piano	1 - 2 hours	MAP 359 Applied Percussion	1 - 2 hours
Every semester. Continuation of MAP 129B . Prerequisite: MAP 129B.		Every semester. Continuation of MAP 259 . Designed to prepare for a Junior Recital. Prerequisites: MAP 259 and Junior status.	
MAP 329B Applied Piano	1 - 2 hours	MAP 459 Applied Percussion	1 - 2 hours
Every semester. Continuation of MAP 229B . Designed to work toward a Junior Recital. Prerequisites: Map 229B and Junior status.		Every semester. Continuation of MAP 359 . Designed to prepare for a Senior Recital. Prerequisites: MAP 359 and Senior status.	
MAP 429B Applied Piano	1 - 2 hours	MAP 169 Applied Strings	1 - 2 hours
Every semester. Continuation of MAP 329B . Designed to work toward a Senior Recital. Prerequisites: MAP 329B and Senior status.		On demand. Violin, Viola, Cello, String Bass private instruction. Same format as MAP 139.	
MAP 139 Applied Woodwinds	1 - 2 hours	MAP 269 Applied Strings	1 - 2 hours
Every semester. Private instruction in a woodwind instrument, study of fundamentals of tone production, scales and technique for playing the instrument of the student's choice. Solo selections from recognized composers are studied.		On demand. Continuation of MAP 169 . Prerequisite: MAP 169.	
MAP 239 Applied Woodwinds	1 - 2 hours	MAP 369 Applied Strings	1 - 2 hours
Every semester. Continuation of MAP 139 . Prerequisite: MAP 139.		On demand. Continuation of MAP 269 . Designed to prepare for Junior Recital. Prerequisites: MAP 269 and Junior status.	
MAP 339 Applied Woodwinds	1 - 2 hours	MAP 469 Applied Strings	1 - 2 hours
Every semester. Continuation of MAP 239 . Designed to prepare for a Junior Recital. Prerequisites: MAP 239 and Junior status.		On demand. Continuation of MAP 369 . Designed to prepare for Senior Recital. Prerequisites: MAP 369 and Senior status.	
MAP 439 Applied Woodwinds	1 - 2 hours	MAP 179 Applied Classical Guitar	1 - 2 hours
Every semester. Continuation of MAP 339 . Designed to prepare for a Senior Recital. Prerequisites: MAP 339 and Senior status.		Every semester. Classical Guitar provides private study in technique and scales along with various styles and composers; the student's a classical performance.	
MAP 149 Applied Brass	1 - 2 hours	MAP 279 Applied Classical Guitar	1 - 2 hours
Every semester. Private instruction in a brass instrument of the student's choice. Same format as MAP 139.		Every semester. Continuation of MAP 179 . Prerequisite: MAP 179.	
MAP 249 Applied Brass	1 - 2 hours	MAP 379 Applied Classical Guitar	1 - 2 hours
Every semester. Continuation of MAP 149 . Prerequisite: MAP 149.		Every semester. Continuation of MAP 279 . Designed to prepare for a Junior Recital. Prerequisites: MAP 279 and Junior status.	
MAP 349 Applied Brass	1 - 2 hours	MAP 479 Applied Classical Guitar	1 - 2 hours
Every semester. Continuation of MAP 249 . Designed to prepare for a Junior Recital. Prerequisites: MAP 249 and Junior status.		Every semester. Continuation of MAP 379 . Designed to prepare for a Senior Recital. Prerequisites: MAP 379 and Senior status.	
MAP 449 Applied Brass	1 - 2 hours	MAP 189 Applied Studio Guitar	1 - 2 hours
Every semester. Continuation of MAP 349 . Designed to prepare for a Senior Recital. Prerequisites: MAP 349 and Senior status.		Every semester. Studio Guitar provides a series of private instruction designed to prepare the student for professional studio performance through a concentration on varied styles and improvisation.	
MAP 159 Applied Percussion	1 - 2 hours	MAP 289 Applied Studio Guitar	1 - 2 hours
Every semester. Private instruction in a percussion instrument of the student's choice. Same format as MAP 139.		Every semester. Continuation of MAP 189 . Prerequisite: MAP 189.	
MAP 259 Applied Percussion	1 - 2 hours	MAP 389 Applied Studio Guitar	1 - 2 hours
Every semester. Continuation of MAP 159 . Prerequisite: MAP 159.		Every semester. Continuation of MAP 289 . Designed to prepare for a Junior Recital. Prerequisites: MAP 289 and Junior status.	

MAP 489 1 - 2 hours
Applied Studio Guitar

Every semester. Continuation of **MAP 389**. Designed to prepare for a Junior Recital. Prerequisites: MAP 389 and Senior status.

MAP 388 1 hour
Applied Theory

Every semester. Private instruction in composition. Designed to provide background for the production of senior composition. Three semester hours are required.

MAP 390 No Credit
Junior Recital

Every semester. Public Recital approximately 30 minutes in length. Applied and Church Music majors will perform as designated in the Music Student Handbook; theory majors will present a 30-minute composition. Conducting concentrations will conduct a 30-minute program.

MAP 394 1 - 4 hours
Applied Conducting

Every semester. Private instruction in conducting. Along with perfecting conducting gestures, attention will be given to the literature and rehearsal/performance situations relative to concurrent conducting courses. (Practicum and Seminar) and the Senior Recital. Prerequisites: MUS 381 and Junior or Senior status.

MAP 488 1 hour
Applied Theory

Every semester. Continuation of **MAP 388**. Three semester hours are required.

MAP 489 No Credit
Senior Recital

Every semester. Same format as **MAP 390** only one hour in length. Theory majors may choose presentation of original composition with a Major ensemble.

CHURCH MUSIC

MCH 003 No Credit
Southern Baptist Church Music Conference

Every semester. SBCMC is the student chapter of the convention-wide organization. This is required each semester for church music students but is open for all who are interested in church music. It meets three times per semester for programs about various aspects of church music.

MCH 320 2 hours
Choir Methods I

Fall, 1991, and alternate years. Study and practice of current and traditional philosophies, methods, and materials for use with preschool through sixth grade church choirs. Prerequisite: Junior status.

MCH 321 2 hours
Choir Methods II

Spring, 1992, and alternate years. Continuation of **MCH 320** with emphasis on study and practice of current and traditional philosophies, methods, and materials for use with junior high, high school and senior adult choirs. (Does not have to be taken in sequence.) Prerequisite: Junior status.

MCH 330 2 hours
Instrumental Music in the Church

Fall, 1992, and alternate years. Designed to provide the church musician with practical knowledge of church instrumental music. Topics include history of church instrumental music, practical scoring, introduction to all orchestral instruments, rehearsal techniques, and building a church orchestra. Prerequisite: Junior status.

MCH 378 3 hours
Music in Worship

Fall, 1991, and alternate years. A study of music in worship from Biblical times to the present. Comparison of liturgies and orders of worship and planning worship services for various occasions. Includes the formation of a philosophy of church music.

MCH 393 3 hours
Hymnology

Fall, 1992, and alternate years. Also **MIN 393**. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnology. No musical background is required. Recommended for theology and religious education students.

MCH 405 2 hours
Church Music Seminar - Practicum

On demand. A study of theory and practice of the music ministry in the local church with emphasis on philosophy, administration, graded choir methods, organ orientation, musical drama, and basic electronic media skills. Lectures by outstanding guest authorities. The student will spend an internship of eight weeks in a local church with an approved minister of music. Prerequisites: MCH 372, MCH 378, MUS 471, or instructor's approval.

MCH 471 3 hours
Choral Literature

Spring, 1992, 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 EDUCATION

MED 232 1 hour
Woodwind Instrument Class

Every Spring. A practical study of the high and low woodwind instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

MED 241 1 hour
Brass Instrument Class

Every Fall. A practical study of the high and low brass instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore status.

MED 251 1 hour
Percussion Instrument Class

Every Fall. Same format as **MED 241**, except pertaining to percussion instruments. Prerequisite: Sophomore status.

MED 252 **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**

Every Fall. An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes philosophy, marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and equipment, library, uniforms, inventory, tests and measurements, finance, and development of a complete instrumental program. Prerequisites: MED 232, MED 241, MED 251, MED 252, MUS 292.

MED 381 **Music in the Elementary Grades** **3 hours**

Every Fall. 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**

Every Spring. A study of methods for developing and conducting the music program in Junior and Senior high schools, including the organization of choruses and glee clubs, the classification of voices, the development of music appreciation, the selection of music literature, etc. Prerequisites: MUS 292, MUS 381, or instructor's approval.

MED 396 **Music Education Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

MED 442 **Instrumental Literature and Pedagogy** **2 hours**

On demand. Study of outstanding literature (secular and sacred) for Junior and Senior high school band, orchestra, stage band, jazz ensemble, and chamber ensembles. Special rehearsal skills and interpretation are emphasized. Prerequisites: MUS 292, Junior status.

MUSIC ENSEMBLES

MEN 109 **University Choir** **1 hour**

Every semester. University Choir is an ensemble of 50 to 60 voices drawn from the student body by competitive audition. Membership is not limited to music majors and minors. A broad scope of choral literature encompassing all of the stylistic periods is performed. One major choral/orchestral work is performed in the Spring. Strong emphasis is placed on individual commitment to the ensemble. University Choir performs locally and does extended touring.

MEN 111 **University Singers** **1 hour**

Every semester. University Singers is an ensemble of 40 to 50 voices. It is open to all students at Grand Canyon University with the conductor's approval. Choral literature from all stylistic periods will be performed. University Singers will perform a major choral work each Spring in conjunction with the University Choir. This ensemble is designed to provide a quality performance experience for music majors and non-majors alike. Strong emphasis is placed on individual commitment to the ensemble. Performance opportunities include campus and local events and possible tours.

MEN 129 **Small Jazz Ensemble** **1 hour**

Every semester. A performing ensemble designed to give the student experience performing jazz material in a small ensemble setting.

MEN 139 **Wind Ensemble** **1 hour**

Every semester. The Wind Ensemble is made up of music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their college career. The literature performed is selected from the finest contemporary and traditional repertoire.

MEN 149 **Jazz Band** **1 hour**

Every semester. Performance of jazz-oriented material written or arranged for the Jazz Band.

MEN 169 **Chamber Orchestra** **1 hour**

On demand. Study and performance of chamber orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theatre productions.

MEN 199 **Grand Guitars** **1 hour**

Every semester. Instrumental performance ensemble for guitar emphasizing group performance in a variety of musical idioms. Prerequisite: Instructor's approval.

MEN 252 **Canyon Carillon** **1 hour**

Every semester. A handbell ensemble. The literature performed is selected from the finest contemporary and traditional repertoire. Open to all students with instructor's approval.

MEN 303 **Chamber Singers** **1 hour**

Every semester. Chamber Singers is a highly selective 16 voice ensemble drawn from the University Choir membership. Repertoire will be quite varied, ranging from early madrigal to more contemporary styles of vocal music. Students must first be selected for University Choir before being considered for this ensemble.

MUSIC

MUS 009 No Credit
Recital Attendance

Every semester. Thursday afternoon studio, area, and department recitals of all music and performing arts major and minors. Details listed in Music Student 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 Spring. A laboratory devoted to phonetic sounds of French as used by a singer. Prerequisite course to upper division Applied Voice. Students having two years of high school French or one year of college French may test out of this course.

MUS 167 1 hour
Class Guitar

Every semester. A practical introduction to the guitar, designed especially for beginners. Students will learn to play the guitar with both the plectrum style (pick only) and classical finger-style approaches. Emphasis on guitar pedagogy as applied to elementary and secondary education levels. Required of Music Education majors. Open to all non-music majors and minors. Knowledge of basic musical notation is required.

MUS 189 1 hour
Chamber Music Ensembles

Every semester. Practice, study and performance of chamber music. Includes various combinations of strings, woodwinds, brasses, percussion, guitar and voice. Approval of private instructor. May be repeated for credit. Does not meet ensemble requirement without written consent of the College of Performing Arts.

MUS 191 4 hours
Elementary Theory of Music I

Every Fall. Designed for music majors and minors, this is an integrated course in musicianship, including ear training, sight-singing, dictation, written and keyboard harmony. Study is devoted to the structure of music for the purpose of developing skill in creative expression as well as skill in analyzing and understanding music being studied or performed. Grade of "C" or above necessary for advancement. Prerequisite: MUS 105 or a satisfactory score on the Freshman Theory Placement Examination administered during enrollment week and on demand during summer sessions.

MUS 192 4 hours
Elementary Theory of Music II

Every Spring. Continuation of MUS 191. Grade of "C" or above necessary for advancement. Prerequisite: MUS 191, or equivalent.

MUS 211 1 hour
Diction: German

Every Spring. A laboratory devoted to phonetic sounds of German as used by a singer. Prerequisite course to upper division Applied Voice. Students having two years of high school German or one year of college German may test out of this course.

MUS 219 3 hours
Opera Workshop

Every Fall. Participation and production of a full-length opera, two one-act operas or opera scenes. Provides activities in all phases of opera production (set design, costuming, make-up, staging, publicity). May be repeated for credit. Prerequisites: Audition and instructor's approval.

MUS 220 2 hours
Modern Rhythms and Styles I

Every Fall. A comprehensive study of the mechanics of rhythm (pulse, subdivision). Survey of contemporary styles, including jazz, pop/rock, fusion, Latin and various other areas.

MUS 221 2 hours
Modern Rhythms and Styles II

Every Spring. A continuation of MUS 220. Prerequisite: MUS 220 or instructor's approval.

MUS 225 3 hours
Survey of Jazz in America

Spring, on demand. A survey of music in the jazz idiom from its origin to present. Introduction to the principal periods, performers, and styles of jazz with emphasis on listener appreciation and understanding.

MUS 226 2 hours
Handbell Techniques

Every Fall. A study of handbell techniques, materials, and methods of organizing and training handbell choirs for school and church. Prerequisite: Music reading ability.

MUS 252 3 hours
Music Appreciation

Every Fall. Designed specifically for non-music majors and minors, this course contributes to the intellectual, emotional and aesthetic understanding of music and expression, as science, and as an art closely akin to the other fine arts. Great works of music are heard in order that the student may gain insight into music's inner workings and that may develop a discriminating, intelligent appreciation of the best in music.

MUS 281 2 hours
Fundamentals of Conducting

Fall, on demand. A study of the fundamentals of conducting hymns, anthems, and other music. Emphasis on vocal conducting techniques and problem-solving. May be taken by music minors. Prerequisite: MUS 191 or instructor's approval.

MUS 291 Advanced Theory of Music I	4 hours	MUS 372 Music History II	3 hours
Every Fall. Advanced study in partwriting, including chromatic and other non-harmonic tones; further study in sight-singing and diction; keyboard application of theoretical materials. Original composition is emphasized utilizing traditional triadic harmonies as well as modality, 12 tone, secundal, quartal and added note techniques. Grade of "C" or above necessary for advancement. Prerequisite: MUS 192 or equivalent.		Every Spring. A survey of music from the mid-18th Century to modern times. Study is devoted to the rise of homophonic music, the art song, the nationalistic schools, and the principal composers of the Classical, Romantic and Contemporary style periods. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.	
MUS 292 Advanced Theory of Music II	4 hours	MUS 373 Piano Literature I	2 hours
Every Spring. Continuation of MUS 191 . Grade of "C" or above necessary for advancement. Prerequisite: MUS 291 or equivalent.		Fall, 1992, and alternate years. Baroque and Classical periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. Prerequisite: MUS 371 or instructor's approval.	
MUS 315 Basic Modern Arranging I	2 hours	MUS 374 Piano Literature II	2 hours
Every Fall. A two-semester introductory through intermediate level course for music majors (or non-majors who have the prerequisite of musical knowledge). It provides a basic foundation in contemporary arranging for combo, jazz ensemble, concert band and jazz or pop vocal groups. Prerequisites: MUS 191, MUS 192, MUS 291, MUS 292 or instructor's approval.		Spring, 1993, and alternate years. Romantic and Contemporary periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. Prerequisite: MUS 371 or instructor's approval.	
MUS 316 Basic Modern Arranging II	2 hours	MUS 375 Song Literature I	2 hours
Every Spring. A continuation of MUS 315 . Prerequisite: MUS 315 or instructor's approval.		Fall, 1991, and alternate years. A survey study of the composers, their styles and literature from the beginning of solo song through the early romantic period. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.	
MUS 317 Jazz/Commercial Music Conducting and Rehearsal Techniques	2 hours	MUS 376 Song Literature II	2 hours
On demand. Covers the preparation of small and large jazz ensembles beginning with daily through yearly goals and objectives. Includes repertoire selection, pacing and rehearsal efficiency. Open to all students in the Communications/Commercial Music degree program and music education majors. Prerequisite: Instructor's approval.		Spring, 1992, and alternate years. Continuation of MUS 375 . A survey study of the composers, their styles and literature from the middle romantic period of solo song through the contemporary period. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.	
MUS 319 Opera Workshop	3 hours	MUS 381 Conducting I	2 hours
Same as MUS 219 .		Every Fall. A study of the fundamentals and techniques of conducting hymns, anthems, and other music with special emphasis on the problems of directing vocal groups. Prerequisites: Junior status, completion of Music Theory and Music History degree requirements and instructor's approval.	
MUS 320 Jazz Improvisation	1 hour	MUS 382 Conducting II	2 hours
Every semester. A course designed to introduce the student to improvising, with emphasis on scales, modes and arpeggios. Prerequisites: MUS 105, MUS 191, or instructor's approval.		Every Spring. Continuation of MUS 381 with emphasis on instrumental music. Rehearsal and conducting techniques, score reading, and artistic interpretation will be covered. Prerequisite: MUS 381.	
MUS 350 Commercial Music Seminar	3 hours	MUS 385 Conducting Seminar	1 hour
Every Spring. Designed to inform students of the background and necessary skills required for a full- or part-time career in commercial music. Prerequisite: Instructor's Approval.		On demand. The study of major choral works from historical and stylistic perspectives as it relates to performance practices. Attention will be given to historical perspective, conducting techniques, rehearsal procedures, instrumentation, ornamentation, interpretation, original language and translation. Prerequisite: MUS 382.	
MUS 371 Music History I	3 hours		
Every Fall. A survey of music from primitive times to the mid-18th Century. Study presents the growth of music in the Middle Ages and Renaissance through the contrapuntal schools culminating in the work of J. S. Bach and the development of opera and oratorio during the Baroque. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.			

MUS 391 **Counterpoint** **2 hours**

Every Spring. A practical study of 18th Century counterpoint and its various species of two- to four-part writing. Background reference is made to early polyphonic music. Students write inventions and fugues in the manner of J. S. Bach. Prerequisite: MUS 292.

MUS 392 **Form and Analysis** **3 hours**

Every Fall. A study of the various structure forms in music; from motive, phrase and period through binary and ternary forms to the most complex, such as the variation, rondo, and sonata. Works of the masters are analyzed from the standpoint of form. Prerequisite: MUS 292.

MUS 396 **Music Tutoring** **2 hours**

Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

MUS 399 **Practicum** **1 - 4 hours**

On demand. See page 38-39.

MUS 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.

MUS 405 **Conducting Practicum** **1 hour**

On demand. A conducting apprenticeship among the Music Department's various choral and instrumental ensembles and with Opera Workshop. The apprentice will observe and participate in rehearsal as instructed by each director. Prerequisites: MUS 382, MUS 403, instructor's approval.

MUS 411 **Choral Arranging** **2 hours**

Every Fall. A course designed to teach the prospective music teacher the skill of choral arranging and to help the student meet the day-to-day demands placed on a general music teacher or a secondary choral director. Prerequisites: MUS 292, instructor's approval.

MUS 412 **Advanced Arranging I** **2 hours**

Every Fall. For the advanced student who plans to arrange music on a professional basis. Will include the complexities of harmony notation, orchestration, recording studio writing and production, film and TV writing, writing for publication and professional protocol. Must be followed by Advanced Arranging II. Prerequisites: MUS 220, MUS 315, MUS 316, MUS 221.

MUS 413 **Advanced Arranging II** **2 hours**

Every Spring. Continuation of **MUS 412**. Prerequisite: MUS 412 or instructor's approval.

MUS 415 **Recording Studio Producing** **2 hours**

On demand. An advanced course covering the basics of recording studio engineering from a producer's perspective. Includes track assignments, recording basic tracks, overdubbing, signal processing, mixdowns, duplications and preparation of masters for further exploitation. Prerequisite: Instructor's approval.

MUS 421 **Organ Literature and Accompaniment** **1 hour**

On demand. Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignments for accompanying a choir are given. Prerequisites: Two years of Applied Organ, MAP 129 and MAP 229.

MUS 425 **Piano Pedagogy I** **2 hours**

Fall, 1991, and alternate years. A study of skills for teaching piano to children and adult beginners emphasizing technique, style, and musicianship. Includes review and recommendations of graded method materials available. Supervised student teaching. Prerequisite: Instructor's approval.

MUS 426 **Piano Pedagogy II** **2 hours**

Spring, 1992, and alternate years. Continuation of **MUS 425**. Emphasis on intermediate piano literature and group piano teaching techniques. Survey of appropriate materials, observation and supervised student teaching. Prerequisite: Instructor's approval.

MUS 429 **Accompanying** **1 hour**

Every Spring. A study and application of accompanying techniques in vocal, choral and instrumental music. Students are assigned a vocalist, instrumentalist or choir. Prerequisite: Instructor's approval.

MUS 462 **Orchestration** **2 hours**

Every Spring. A course designed to present the practical fundamentals of orchestration of all of the current instruments in the string, woodwind, brass and percussion families. Prerequisites: MUS 292, instructor's approval.

MUS 471 **Choral Literature** **3 hours**

Spring, 1992, and alternate years. Also **MCH 471**. A survey of choral literature from the Renaissance to the present with emphasis on style, aesthetics, and musical terminology. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness. Prerequisites: MUS 292, MUS 371, MUS 372, or instructor's approval.

MUS 481 **Vocal Methods and Pedagogy** **2 hours**

Every Spring. A study of skills for the teaching of voice to individuals or groups. The physical voice is studied and potential vocal problems analyzed; historical methods of correction are presented. Guest lecturers present current ideas. Prerequisite: MAP 219 or instructor's approval.

MUS 491**2 hours****Career Plan and Portfolio**

Every Spring. The student will develop a career plan in the commercial music industry. The creation of music samples and promotional packets, recording studio demeanor and approaches to job seeking will be covered. Prerequisite: Instructor's approval.

MUS 492**2 hours****Modern Harmony**

Fall, 1991, and alternate years. An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing. Prerequisite: MUS 292 or equivalent.

MUS 499**1 - 4 hours****Independent Study**

On demand. See page 38.

Samaritan College of Nursing



College Description

Degree Requirements

Nursing

Curriculum Plan

Course Descriptions

COLLEGE DESCRIPTION

Samaritan College of Nursing is an integral part of Grand Canyon University, working closely with the College of Arts and Sciences and the Department of Natural Sciences. The curriculum leads to the degree of Bachelor of Science in Nursing. Courses are 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 on both a strong academic foundation and nursing practice. The student will have supervised clinical experiences in health care agencies within the metropolitan area. The student is responsible for personal transportation and uniform expenses necessary for the nursing major. Students are also expected to reflect the stated purpose of Grand Canyon University while representing the nursing program in the various clinical areas.

Attendance at a Department Seminar is required of students prior to applying to the nursing major. It is scheduled twice a semester to present the philosophy, curriculum and the application process. Application packets are available from the College Office. Applications for the Fall semester are due in April, and in November for the Spring semester. The application procedure requires a completed application form, health history and physical examination, an interview, three selected references, successful completion of math and Writing Proficiency Examinations and satisfactory completion of nursing prerequisites. Acceptance into the Samaritan College of Nursing is determined by the College of Nursing faculty upon the recommendation of the Academic Standards Committee and space availability. Students who have completed their prerequisites at Grand Canyon University are given priority in consideration for acceptance. A cumulative grade point average (GPA) of 2.5 and a GPA of 2.8 in prerequisites are recommended. Admission to Grand Canyon University does not guarantee acceptance into the nursing program. An accelerated curriculum is available for returning experienced A.D.N./R.N. students.

Graduation from the nursing program requires successful completion of the prerequisites, sequential nursing coursework and all general studies. After two consecutive semesters in the nursing major, students must maintain a 2.5 GPA in clinical nursing coursework.

Registered Nurse licensing requirements are the exclusive responsibility of the State Board of Nursing (Nurse Practice Act, A.R.S. Sections 32-1601 et. seq.), and must be satisfied independently of any requirements for graduation from the University. The baccalaureate program is approved by the Arizona State Board of Nursing, accredited through the National League for Nursing and the College is a member of the American Association of Colleges of Nursing and a charter member of the Western Institute of Nursing.

COLLEGE OF NURSING FEATURES

FACULTY

The courses are taught by Master's- or Doctoral-prepared experienced faculty often at a faculty-to-student ratio of 1:8 to 1:10.

CLINICAL EMPHASIS

Nursing practice in the hospital starts during the sophomore year. During the last two years, 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 of 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.

HEALTH ISSUES PROJECT

An independent study of student-selected topics is developed throughout the major. Each semester the student will have specific activities that acquaint him/her with community resources, the legislative process and literature reviews. A final paper is presented at the end of the fifth semester.

EMPLOYMENT OPPORTUNITIES

Development of a résumé and interview skills are part of the senior studies. Seniors are actively recruited for employment by local hospitals prior to graduation. Agencies frequently contact the College of Nursing to request students for employment over the summers or holidays. Students are eligible to take the Nurse Aid examination given by the State Board of Nursing after completing NUR 202.

NURSING SCHOLARSHIP

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 the College of Nursing for more information.

FACILITY

The Samaritan College of Nursing building provides an academic setting for an optimal educational experience. The student parking lot is adjacent to the building. A Learning Resources Center with microcomputers and audio-visual hardware was designed for individual or group activities. A nursing lab simulates the hospital environment for student practice. Students have the opportunity for video production in a studio designed for this purpose.

SPIRITUAL EMPHASIS

Recognition of the spiritual needs of all persons is included as an integral part of caring for self and others. A required ethics course provides an opportunity to develop a Christian ethical approach to the future professional role.

LOCATION

The University is located in metropolitan Phoenix with access to a variety of clinical agencies. Agencies include large and small medical facilities such as Good Samaritan Regional Medical Center, Maryvale Samaritan Hospital, West Valley Camelback Hospital, Thunderbird Samaritan Hospital and Phoenix Baptist Hospital.

ADVANCED EDUCATION/CERTIFICATE PROGRAM

The College of Nursing offers advanced nursing education to prepare for practice in flight nursing or as a Neonatal Nurse Practitioner.

These courses are available only to registered nurse students and require a separate admission process. Interested nurses should contact the College of Nursing for additional information.

FINANCIAL AID/SCHOLARSHIPS

Financial Aid processing and advisement is available through the University's Financial Aid Office. Nursing students may be eligible for Pell Grants, Supplemental Loans, the Guaranteed Student Loan Program, Department Scholarships, Academic Scholarships and agency tuition reimbursement programs.

DEGREE REQUIREMENTS — NURSING (B.S.N. Degree)

Section 1. Information for Generic Student

PREREQUISITES FOR NURSING *

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
CHM 101	Introduction to Chemistry	4 hours
ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours
NUR 204	Applied Nutrition	3 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours
SOC 101	Introduction to Sociology	3 hours
Total		37 hours

* Student mathematics preparation to take CHM 101 Introduction to Chemistry and PSY 363 Probability and Statistics is important. The student may be required to take additional mathematics coursework. MAT 120 Intermediate Algebra is not a nursing prerequisite but is highly recommended.

NURSING MAJOR REQUIREMENTS
(No minor required)

NUR 202	Fundamentals of Nursing	8 hours
NUR 203	Introduction to Pharmacology	3 hours
NUR 301	Adult Health Nursing	6 hours
NUR 302	Psychiatric-Mental Health Nursing	6 hours
NUR 303	Nursing Care of the Childbearing Family	6 hours
NUR 304	Family-Centered Child Health Nursing	6 hours
NUR 310	Physical Assessment for Health Care	3 hours
NUR 398	Research in Nursing	2 hours
NUR 401	Community Health Nursing	6 hours
NUR 402	Nursing Care of the Critically Ill Adult	6 hours
NUR 403	Management Concepts and Leadership Behaviors in Nursing	6 hours
NUR 406	Trends and Issues in Nursing	2 hours
NUR 498	Practicum in Nursing	3 hours
Total		63 hours

REQUIREMENTS FOR GRADUATION NOT MET BY NURSING PREREQUISITES

Christian Studies		6 hours
BIB 101/113	OT Survey/OT History	(3 hours)
BIB 102/123	NT Survey/NT History	(3 hours)
Humanities		6 hours
PHI 329	Biomedical Ethics	
— —	Humanities Elective	
Social Sciences (Select one only)		3 hours
HIS 101	Western Civilization to 1815	
HIS 102	Western Civilization Since 1815	
HIS 103	Early American History	
HIS 104	Recent American History	
Sciences		3 hours
PSY 363	Introduction to Probability and Statistics	
Physical Education		2 hours
PED —	Two different activity courses	
Electives		8 hours
Total		28 hours
TOTAL REQUIREMENTS FOR B.S.N. GRADUATION		128 hours

SUGGESTED CURRICULUM PLAN
GENERIC OR TRANSFER STUDENTS

Freshman Year		
First Semester		
ENG 101	Grammar and Composition	3 hours
BIO 201	Anatomy and Physiology I	4 hours
CHM 101	Introduction to Chemistry	4 hours
— —	Bible, History, or Humanities Elective	3 hours
PED —	P.E. Activity	1 hour
		15 hours
Second Semester		
ENG 102	Composition and Literature	3 hours
BIO 202	Anatomy and Physiology II	4 hours
SOC 101	Introduction to Sociology	3 hours
PSY 101	General Psychology	3 hours
PED —	P.E. Activity	1 hour
		14 hours
Summer Session		
NUR 204	Applied Nutrition	3 hours
		3 hours
Sophomore Year		
First Semester		
BIO 205	Microbiology	4 hours
PSY 341	Lifespan Development	3 hours
PSY 363	Introduction to Statistics	3 hours
— —	Bible, History, or Humanities Electives	6 hours
		16 hours

Second Semester			
NUR 202	Fundamentals of Nursing	8 hours	
NUR 203	Introduction to Pharmacology	3 hours	
BIO 308	Pathophysiology	3 hours	
		14 hours	

Summer Session			
—	Electives	5 hours	
		5 hours	

Junior Year

First Semester			
NUR 301	Adult Health Nursing	6 hours	
NUR 302	Psychiatric-Mental Health Nursing	6 hours	
NUR 310	Physical Assessment for Health Care	3 hours	
		15 hours	

Second Semester			
NUR 303	Nursing Care of the Childbearing Family	6 hours	
NUR 304	Family-Centered Child Health Nursing	6 hours	
NUR 398	Research in Nursing	2 hours	
—	Bible, History, or Humanities Elective	3 hours	
		17 hours	

Senior Year

First Semester			
NUR 401	Community Health Nursing	6 hours	
NUR 402	Nursing Care of the Critically Ill Adult	6 hours	
PHI 329	Biomedical Ethics	3 hours	
		15 hours	

Second Semester			
NUR 403	Management Concepts and Leadership Behaviors in Nursing	6 hours	
NUR 406	Trends and Issues in Nursing	2 hours	
NUR 498	Practicum in Nursing	3 hours	
—	Elective	3 hours	
		14 hours	

Total for Bachelor of Science in Nursing 128 hours

(This schedule may be adjusted based on individual needs.)

Section 2. Information for Registered Nurse A.D.N. Graduates

* PREREQUISITES FOR NURSING

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO 205	Microbiology	4 hours
CHM 101	Introduction to Chemistry	4 hours
ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours
NUR 204	Applied Nutrition	3 hours
+BIO 308	Pathophysiology	3 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours

SOC 101 Introduction to Sociology 3 hours

Total 37 hours

* MAT 120 is not a prerequisite, but it is highly recommended.

+Prerequisite for NUR 401 and NUR 402 for RN Students.

REQUIREMENTS FOR GRADUATION NOT MET BY NURSING COURSES AND PREREQUISITES

PSY 363	Introduction to Probability and Statistics	3 hours
BIB 101/113	OT Survey/OT History	3 hours
BIB 102/123	NT Survey/NT History	3 hours
PHI 329	Biomedical Ethics	3 hours
NUR —	Technical Credit	
		(Awarded for A.D.N. R.N.) 16 hours
—	Electives (Not Technical Credit)	11 hours

Total 39 hours

NURSING MAJOR REQUIREMENTS

*NUR 301	Adult Health Nursing	6 hours
*NUR 302	Psychiatric - Mental Health Nursing	6 hours
*NUR 303	Nursing Care of the Childbearing Family	6 hours
*NUR 304	Family-Centered Child Health Nursing	6 hours
NUR 307	Introduction to Baccalaureate Concepts	6 hours
NUR 310	Physical Assessment for Health Care	3 hours
NUR 398	Research in Nursing	2 hours
NUR 401	Community Health Nursing	6 hours
NUR 402	Nursing Care of the Critically Ill Adult	6 hours
NUR 403	Management Concepts and Leadership Behaviors in Nursing	6 hours
NUR 406	Trends and Issues in Nursing	2 hours
NUR 498	Practicum in Nursing	3 hours

Total 58 hours

* Up to 18 credit hours of the 24 credit hours for these four junior year nursing courses may be awarded by challenge examination. NUR 307, NUR 310, and NUR 398 complete the 29 hours of junior year nursing course requirements.

R.N. DEGREE COMPLETION

The registered nurse having two or more years current nursing experience is welcome to apply for admission to the accelerated B.S.N. degree completion option. The individual progresses through the standard curriculum sequence with opportunities for challenge examination to recognize previous learning. Individual advisement with faculty is available throughout the year.

Eleven hours of sophomore nursing courses are waived (NUR 202 and NUR 203) and up to 16 hours of technical credit are awarded for lower division coursework from an accredited college or university. Up to 18 hours of the junior year coursework may be awarded by challenge examination. NUR 307 Introduction to Baccalaureate Concepts (6 hours), NUR 398 Research in Nursing (2 hours) and NUR 310 Physical Assessment for Health Care (3 hours) complete the 29 hours of junior year nursing course requirements.

The first clinical nursing course normally taken by the experienced R.N., NUR 307 (6 hours), is offered only in the Spring semester

and taken throughout the entire semester. During the senior year, two nursing courses are taken per semester; one course the first half and the second course during the second half of the semester, both requiring day-time attendance.

This accelerated option is designed for full-time study. Part-time study may be arranged depending on the availability of clinical space.

ADMISSION REQUIREMENTS

The admission process and requirements for the R.N. with a current Arizona license and two or more years of current nursing experience are consistent with those required for generic students.

COURSES WAIVED/CREDIT GRANTED

NUR 202 Fundamentals of Nursing (8 hours), and NUR 203 Introduction to Pharmacology (3 hours) are waived for the R.N. student, based on current practice. Humanities credits, electives or other courses are recommended for credit substitution. Sixteen hours of technical credit is granted for A.D.N. graduates.

JUNIOR YEAR OPTION

The experienced R.N. has the option to reduce the junior year nursing course requirements by successful performance on the N.L.N. Mobility or ACT PEP examinations. Up to 18 hours may be earned through challenge examination. The R.N. may prepare for the examinations by reviewing course texts purchased in the University bookstore or using review materials such as those for NCLEX exams, or those specially prepared for the examination program.

Specimens are required for this testing. Students should contact the College of Nursing for the current fee schedule.

Testing for the junior year is required for all content areas: adult health, psychiatric-mental health nursing, nursing the childbearing family, and nursing care of the child rearing family. Tests are scheduled the semester prior to registration for NUR 307. Results on these examinations determine the number of credits to be awarded, and assist in planning clinical experiences in the first clinical course.

A.D.N./R.N. students who do not receive a passing score on one of the challenge examinations need to register for and take four to five credits of Reading and Conference for the appropriate junior level nursing course.

The A.D.N./R.N. student in the accelerated option also registers for NUR 307, NUR 310, and NUR 398 to complete the junior year nursing requirements.

SENIOR YEAR OPTION

Senior year courses are not available for credit by testing. The courses are designed for day-time attendance. By individual arrangement, part-time matriculation may be available based on clinical space.

The Practicum in Nursing (NUR 498) allows the A.D.N./R.N. student a choice in area of interest to facilitate role transition and career opportunities. During the practicum, the graduating student develops learning objectives with a Preceptor. A variety of agencies accommodate the A.D.N./R.N. student in roles of management, education or clinical practice.

LENGTH OF STUDIES

For the typical A.D.N./R.N. student who has completed all of the prerequisites, a minimum of 18 months of full-time study would be needed to complete all degree requirements. Some students may need additional time in order to meet all prerequisites or to complete the courses required for graduation.

NURSING

NUR 201 2 hours Goals in Health Care

On demand. This course offers an overview of the nursing profession and the interaction between nursing and other health care professions. The evolution of nursing education and practice are discussed as well as the current trends and issues. The processes of communication, helping, problem-solving, teaching/learning and leadership as essential components of nursing practice are presented. Beginning research into a current health care issue and Functional Health Patterns as an introduction to nursing assessment are included. This is an elective nursing course and is encouraged for those individuals interested in entering nursing.

NUR 202 8 hours Fundamentals of Nursing

Every semester. Emphasizes competence in nursing skills. Content includes basic care of the adult client using functional health patterns as the basis for assessment and care. There are additional projects in geriatric nursing and community resources. Communication, teaching, helping, problem-solving and leadership skills are introduced and integrated in clinical practice. Prerequisite: Acceptance into the Nursing Program.

NUR 203 3 hours Introduction to Pharmacology

Every semester. Provides overview of major drug categories utilized in prevention, treatment and diagnostic study of disease. Emphasis is on knowledge of drug classifications, actions, and therapeutic use in nursing. The course is available for non-nursing majors. Prerequisites: BIO 201, BIO 202.

NUR 204 3 hours Applied Nutrition

Every Summer. 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 and analysis of these aspects will be integrated into class projects and activities. Prerequisite: One semester biology or chemistry.

NUR 208 3 hours Living with Loss

On demand. This course 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 trip, experiential sharing, films and reading. There will be an optional opportunity to become a hospice volunteer by attending additional sessions and paying a small fee.

NUR 301 **Adult Health Nursing** **6 hours**

Every semester. Presents theories and their application common to medical-surgical nursing of hospitalized adults. Content includes care of patients with chronic and terminal medical-surgical problems. Assessment, pharmacology and pathophysiology are integrated in teaching and clinical care. Prerequisites: BIO 308, NUR 202, NUR 203.

NUR 302 **Psychiatric - Mental Health Nursing** **6 hours**

Every semester. Presents human behavioral dysfunction as part of the mental health wellness-illness continuum. Content includes adaptive/maladaptive behavior as influenced by individual, family, cultural and other environmental aspects. Emphasis is on therapeutic communication and interpersonal relationship skills. Prerequisites: BIO 308, NUR 202, NUR 203.

NUR 303 **Nursing Care of the Childbearing Family** **6 hours**

Every semester. Emphasizes family-centered nursing during the childbearing phase of life. Content includes the normal phenomena and complications of pregnancy, birth and the post-natal period. In-patient and out-patient settings are utilized to provide care for patients and families. Prerequisites: NUR 301, NUR 302.

NUR 304 **Family-Centered Child Health Nursing** **6 hours**

Every semester. Integrates nursing theories, concepts of care, clinical skills, and developmental principles involved with the promotion of health and well-being in infants, children and adolescents. Focus is on the physical/developmental/environmental assessment and the clinical application of nursing care to young persons who are well or experiencing acute, episodic or chronic illnesses and to their families. Prerequisites: NUR 301, NUR 302.

NUR 307 **Introduction to Baccalaureate Concepts** **6 hours**

Every Spring. This course is designed for the experienced A.D.N./R.N. who is returning for the baccalaureate degree in nursing. The emphasis is on the theoretical concepts of the junior year courses that are unique to baccalaureate nursing education and the Samaritan College of Nursing philosophy. Individual assessment and preceptor-guided experiences are included. The theory includes nursing roles, functional health patterns, economic and political health issues, practice variation and specialty update. The clinical component will apply the theoretical concepts. Prerequisites: R.N. licensure and acceptance into the Nursing Program.

NUR 310 **Physical Assessment for Health Care** **3 hours**

Every Fall and Summer. The techniques of inspection, percussion, palpation and auscultation are presented. History-taking and systems application will be emphasized in both theory and demonstration. Development norms for children, adults and aged clients are included with the opportunity for practice of general physical assessment techniques. Prerequisite: Satisfactory completion of NUR 202 or instructor's approval.

NUR 333 **Health and Aging Aspects** **3 hours**

On demand. Health and Aging will provide an overview of the process of aging from a social, psychological, and physical perspective with implications for the role of the nurse and other health care providers. Topics will focus on common clinical issues in working with the elderly population, such as elder abuse, and depression.

NUR 396 **Nursing 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.

NUR 398 **Research in Nursing** **2 hours**

Every semester. Course promotes research as a framework for analysis of clinical practice. Quantitative and qualitative research methodologies are presented. Emphasis will be on the critical review of research for its applicability to clinical practice. Prerequisite: PSY 363 or instructor's approval.

NUR 401 **Community Health Nursing** **6 hours**

Every semester. Provides an epidemiological model as the framework for studying community health problems. Concepts of public health nursing are applied to the care of families, groups and populations. Prerequisites: BIO 308, NUR 310; NUR 303, NUR 304 or NUR 307.

NUR 402 **Nursing Care of the Critically Ill Adult** **6 hours**

Every semester. Presents the complex nursing care of the medical-surgical adult in the intensive care area and emergency room. Pathophysiology, diagnostic preparation and Nursing diagnosis, and related nursing care of life-threatening disruptions involving cardiac, respiratory, neurological, renal, gastrointestinal, and other organ dysfunctions are presented in theory and clinical situations. Prerequisites: BIO 308, NUR 310; NUR 303, NUR 304 or NUR 307.

NUR 403 **Management Concepts and Leadership Behaviors in Nursing** **6 hours**

Every semester. Presents purposes and methods of leadership styles within the health care setting. Emphasis is on the management of groups of patients, professional staff and professional leadership opportunities. Content includes: planning and evaluating nursing care, organization behavior, managerial interpersonal relations, teaching peers and financial control as common concepts encountered in nursing leadership. Prerequisites: NUR 401, NUR 402.

NUR 406 **Trends and Issues in Nursing** **2 hours**

Every semester. This course focuses on the rapid and profound changes in health care in the United States and the dramatic effect these changes have had on nursing practice. The scope of nursing practice, health care delivery systems, rising health care costs, technological advancements, legal influences and a wider diversity of care settings and career opportunities including transcultural nursing are issues highlighted for analysis. Prerequisites: Satisfactory completion of NUR 401 and NUR 402.

NUR 491/492/493**12 hours each****Neonatal Nurse Practitioner**

On demand. These three courses are designed to prepare experienced registered nurses to function in the advanced practice nursing role for bedside co-management of the high-risk neonate and family. The 36-credit program is divided into a didactic phase of theory and seminar with an integrated clinical component and a concentrated clinical internship in neonatal care units. The didactic component includes theory and seminar topics essential for the role. The clinical internship will facilitate incorporation of theory and clinical skills into the direct co-management of the high-risk neonate and family in various levels of care, and is under the direction of neonatologists and neonatal nurse practitioners. Prerequisites: R.N. status and instructor's approval.

NUR 494**12 hours****Adult Flight Nursing**

On demand. This course is designed to prepare the experienced Critical Care Nurse for specialty as a flight nurse. Included is anatomy and physiology, normal and abnormal x-rays, pathophysiology, assessment and management, stations and case presentations. The didactic content is reinforced in the clinical areas of critical care units, clinical labs, or field experience in fixed wing or helicopter settings. Prerequisites: R.N. status and instructor's approval.

NUR 495**5 hours****Neonatal Flight Nursing**

On demand. This course is designed to prepare the experienced high-risk neonatal nurse for stabilization and flight transport of the neonate with consultation from the neonatologist. Included is a brief review of anatomy and physiology, pathophysiology of pregnancy, nursing assessment and management of neonatal congenital defects and medical/surgical emergencies. Emphasis is placed on viewing the patient as a complete person involving all systems, psychological as well as physical, and as an important member of the family unit. Didactic content will be reinforced in the following clinical areas: Labor and delivery, newborn ICU, helicopter, fixed wing and ground transport, and the communications center. Prerequisites: R.N. licensure and instructor's approval.

NUR 496**5 hours****Maternal Flight Nursing**

On demand. This course is designed to prepare the experienced high-risk maternal nurse for flight transport of the maternal client. Included is a review of anatomy and physiology, pathophysiology of pregnancy, nursing assessment and management of emergencies related to pregnancy. Emphasis is placed on viewing the patient as a complete person involving all systems, psychological as well as physical, and as an important member of the family unit. Didactic content will be reinforced in the following clinical areas: Labor and delivery, newborn ICU, helicopter, fixed wing and ground transport, and the communications center. Prerequisites: R.N. licensure and instructor's approval.

NUR 498**3 hours****Practicum in Nursing**

Every semester. Provides a selected clinical experience to optimize the transition to a professional career. Nursing specialty areas are chosen according to preceptor availability and student interest. A faculty member assists in planning, implementing and evaluating the learning experience. Prerequisite: NUR 403.







Reserve Officer Training Corps

Department Description

Air Force ROTC

Aerospace Studies

Army ROTC

Military Science



DEPARTMENT DESCRIPTION

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 Arizona State University.

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

For Further information contact ASU Army ROTC at 965-3318/19 or Air Force ROTC at 965-3181.

AIR FORCE ROTC

PURPOSE

The Department of Aerospace Studies curriculum consists of the General Military Course (GMC) for

freshmen and sophomores and the Professional Officer Course (POC) for juniors and seniors. The goal of this professional education is to provide the foundation of military knowledge and skills needed by Air Force junior officers. Upon graduation, each student who satisfactorily completes the Professional Officer Course and degree requirements will receive a commission as a Second Lieutenant in the Air Force Reserve.

GENERAL QUALIFICATIONS

Men or women entering AFROTC must: (1) be a citizen of the United States (noncitizens may enroll, but must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the POC. 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 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 Air Force ROTC 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 Air Force ROTC 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 Qualification Test (AFOQT).
4. Pass the Air Force physical examination.
5. Maintain the minimum grade point average required by the University.

PAY AND ALLOWANCES

POC members in their junior and senior years receive \$100 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

Air Force ROTC 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 \$100. Scholarships are available on a four-, three-and-one-half-, three-, two-and-one-half-, 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 application forms to be submitted to HQ., AFROTC, Maxwell AFB, AL 36112-6663. Students enrolled in AFROTC at Arizona State University are eligible for three-and-one-half-, three-, two-and-one-half-, and 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.

AEROSPACE STUDIES

AES 101

2 hours

U. S. Air Force Organization

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

AES 102

2 hours

Nature of U. S. Air Power

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

AES 201

2 hours

Aerospace History to World War II

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

AES 202

2 hours

Aerospace History: WW II to Present

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

AES 301

3 hours

U. S. Air Force Communication Management and Leadership

Every Fall. An integrated management 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 lectures, one hour Leadership Practical Application.

AES 302

3 hours

U. S. Air Force Management and Leadership

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

AES 401 **3 hours** **National Security Institutional Policy and Strategy**

Every Fall. Armed Forces as a technical element of society, with emphasis on the broad range of American civil-military relations; principles and techniques of communicative skills; the political, economic, and social constraints on the national defense structure. Two lectures, one hour Leadership Practical Application.

AES 402 **3 hours** **Topical and Regional Security Issues**

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

MILITARY SCIENCE (ARMY ROTC)

PURPOSE

The Department of Military Science curriculum consists of the basic course (MIS 101, MIS 102, MIS 203, and MIS 204) and the advanced course (MIS 301, MIS 302, MIS 401, and MIS 402). The goal of this professional education is to prepare selected students with leadership potential to be commissioned Army Officers within the national defense structure of the United States. Specific objectives include developing the leadership and managerial potential of the students; developing students' abilities to think creatively, to speak and write effectively; providing the students with an appreciation of the requirements for national security; and developing the students' understanding of the nature and functions of the U. S. Army. Upon successful completion of the Advanced Course, qualified students will receive commissions in the United States Army Reserve or Army National Guard. Active duty positions are available upon graduation from the university on a competitive basis.

Commissions as Second Lieutenants in the Regular Army are available to outstanding students who desire a career in the military service.

GENERAL QUALIFICATIONS FOR BASIC COURSE

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

QUALIFICATIONS FOR ADVANCED COURSE

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

1. Be a citizen of the United States (non-citizens may enroll but must obtain citizenship prior to commissioning).
2. Be of sound physical condition and pass the U. S. Army physical fitness standards.
3. Be at least 17 years of age for entrance into the advanced course and be able to complete all commissioning requirements prior to age 30. Only those students in the basic and advanced courses who meet required military regulations are eligible to receive financial assistance through the United States Army. Members of the Department of Military Science at Arizona State University are available during normal office hours to answer questions or provide counseling.

FOUR-YEAR PROGRAM

Students may enroll in Army ROTC during their freshman year. They take the basic course during the first two years, receiving a total of 8 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 10 semester hours for the four semesters of study. In addition, students will attend a six-week advanced summer camp at Ft. Lewis, Washington, between their junior and senior years. Upon successful completion of the advanced course and requirements for a degree, they are commissioned as Second Lieutenants in the United States Army Reserve or Army National Guard.

TWO-YEAR PROGRAM

Students must have at least two academic years of college work remaining, either at the undergraduate or graduate level. The student must also have at least sophomore status (except for certain exceptions applicable to veterans). This program is open to all students with the exception of three- and four-year scholarship winners. Students seeking enrollment in the two-year program should make application during the spring semester of the year in which they desire to enter the program. They must pass the ROTC Qualifying Examination and the Army physical examination. After successfully completing a six-week basic camp at Army Post (conducted during June, July, and August) or completing the basic course classes during a university summer session (not always offered), students may enroll in the advanced course. Students with previous military experience or who are currently members of the National Guard or Reserves may be admitted directly into the two-year program. They then follow the same program and meet the same requirements as stated for advanced course students in the four-year program.

Qualifications for Admittance to the Advanced Course. The qualifications are as follows:

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

PAY AND ALLOWANCES

Advanced Course students in their junior and senior years receive \$100 per month for the 20 months of enrollment in the Advanced Course. The student also receives one-half the pay for a Second Lieutenant during their attendance at the five-week advanced camp. Uniforms, housing and meals are provided at camp without cost to the students, and they are reimbursed at the current mileage rate for travel to and from camp. Students who attend basic camp receive the pay of an Army recruit during attendance at basic camp as well as current mileage rate for travel to and from camp.

SCHOLARSHIP PROGRAMS

The Army ROTC offers scholarship programs for outstanding young

men and women who are motivated toward a career as professional officers in the Regular Army. These scholarships pay for all fees, tuition and provide \$100 per month subsistence allowance while the scholarship is in effect. In addition, a flat rate is paid each semester toward the purchase of texts and some academic supplies. A scholarship for four years is available to freshmen who will enter the four-year program. Applications must be submitted in accordance with a schedule furnished by the high school counselors. Selection is made on a nation-wide basis. Scholarships are available for three- and two-year periods commencing with the sophomore and junior years of ROTC, respectively. Applications are open to all students in good standing with the University; previous ROTC or military experience is not required for application for two- and three-year scholarships. Selection is made by an interview board composed of Arizona State University faculty members and Army officers in the ROTC detachment. Acceptance of any of the three scholarship programs requires service commitment to serve in the active Army for a period of up to four years after commissioning and graduation.

ACTIVE DUTY REQUIREMENTS

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

MILITARY SCIENCE

MIS 101 2 hours Introduction to Military Science

Every semester. Organization and mission of the Army within American society; current issues in the military; military justice system; basic leadership skills. Two lecture-conferences.

MIS 102 2 hours Basic Military Science I

Every Spring. Learning theories and principles of instruction; development of instructor knowledge, skills and characteristics; instructional aids; student presentations; evaluation techniques. One lecture-conference, one and one-half hours of Leadership Practical Application.

MIS 106 1 hour History of the American Flag

Every semester. The history, customs and courtesies of the American flag. Includes color guard practice and public ceremonies. One hour lecture, one hour lab.

MIS 203 2 hours Basic Military Science II

Every semester. Components of maps; use of map and compass; orienteering and land navigation exercises; military mapping system; basic outdoor survival skills. Two lecture-conferences, one and one-half hours of Leadership Practical Application.

MIS 204 2 hours Basic Military Science III

Every Spring. Interdisciplinary approach to leadership and management; ethics, responsibility and conduct of military officer; effective decision-making techniques; introduction to drill and ceremonies. One lecture-conference, one and one-half hours of Leadership Practical Application.

MIS 205 4 hours ROTC Basic Camp

Every Summer. Six-week training program emphasizing practical hands-on skills and leadership development. Taken in lieu of MIS 101, MIS 102, MIS 203, and MIS 204. Conducted at Fort Knox, Kentucky.

MIS 301 3 hours Advanced Military Science

Every Fall. Theory and dynamics of the individual soldier and military units in offensive combat operations. Two lecture-conferences, one and one-half hours of Leadership Practical Application, one 2-day field exercise, three 1-day field experiences. Prerequisites: MIS 101, MIS 102, MIS 203, MIS 204, or equivalent.

MIS 302 3 hours Advanced Military Science

Every Spring. Theory and dynamics of military units in defensive combat operations. Two lecture-conferences, one and one-half hours of Leadership Practical Application, one 3-day field exercise; two 1-day field exercises. Prerequisites: MIS 101, MIS 102, MIS 203, MIS 204, or equivalent.

MIS 303 4 hours ROTC Advanced Camp

Every Summer. Six-week training program emphasizing leadership development and advanced military skills to include: tactics, land navigation and physical training. Conducted at Fort Lewis, Washington. Prerequisites: MIS 301, MIS 302.

MIS 401 2 hours Advanced Military Science

Every Fall. The military legal system; preparation and conduct of military training; leadership development; ethics and professionalism of the military officer. Two lecture-conferences, and one and one-half hours of Leadership Practical Application, one 2-day field exercise; three 1-day field exercises. Prerequisites: MIS 301, MIS 302.

MIS 402 2 hours Advanced Military Science

Every Spring. Military correspondence; career planning and personal affairs in service; conduct of training; leadership development; ethics and professionalism of the military officer. Two lectures, one and one-half hours Leadership Practical Application, one 3-day field exercise; two 1-day field exercises. Prerequisites: MIS 301, MIS 302.



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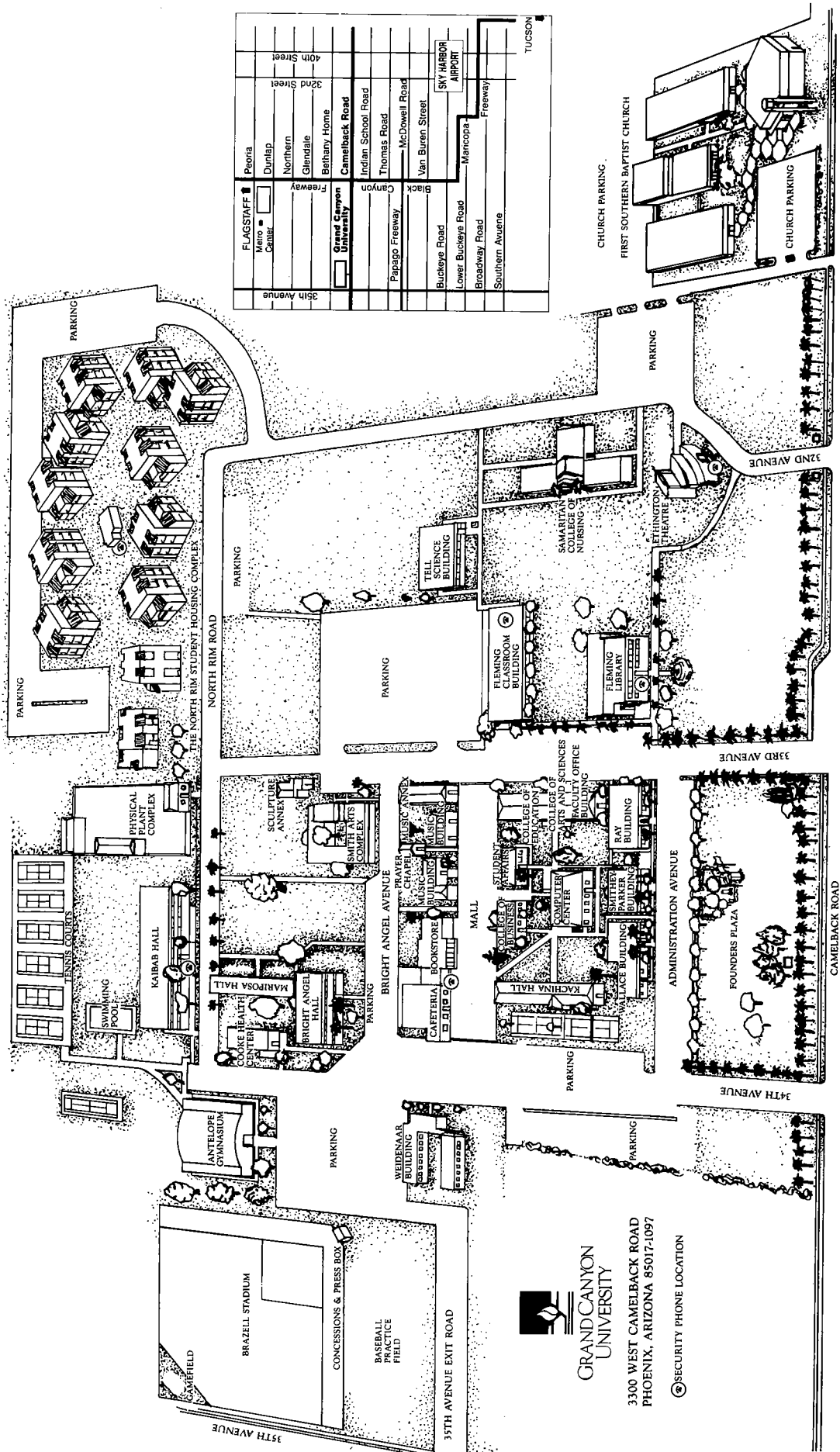
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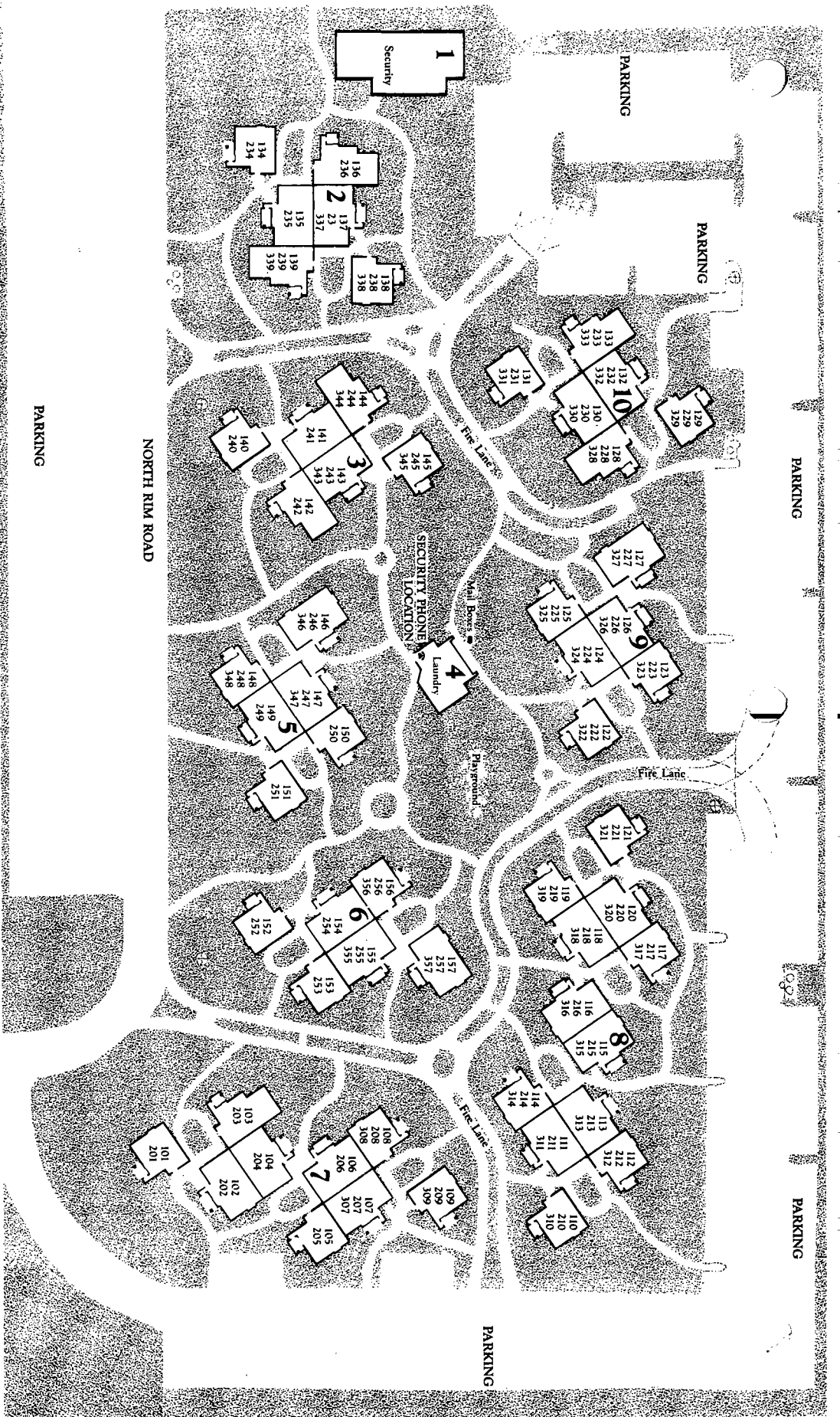
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