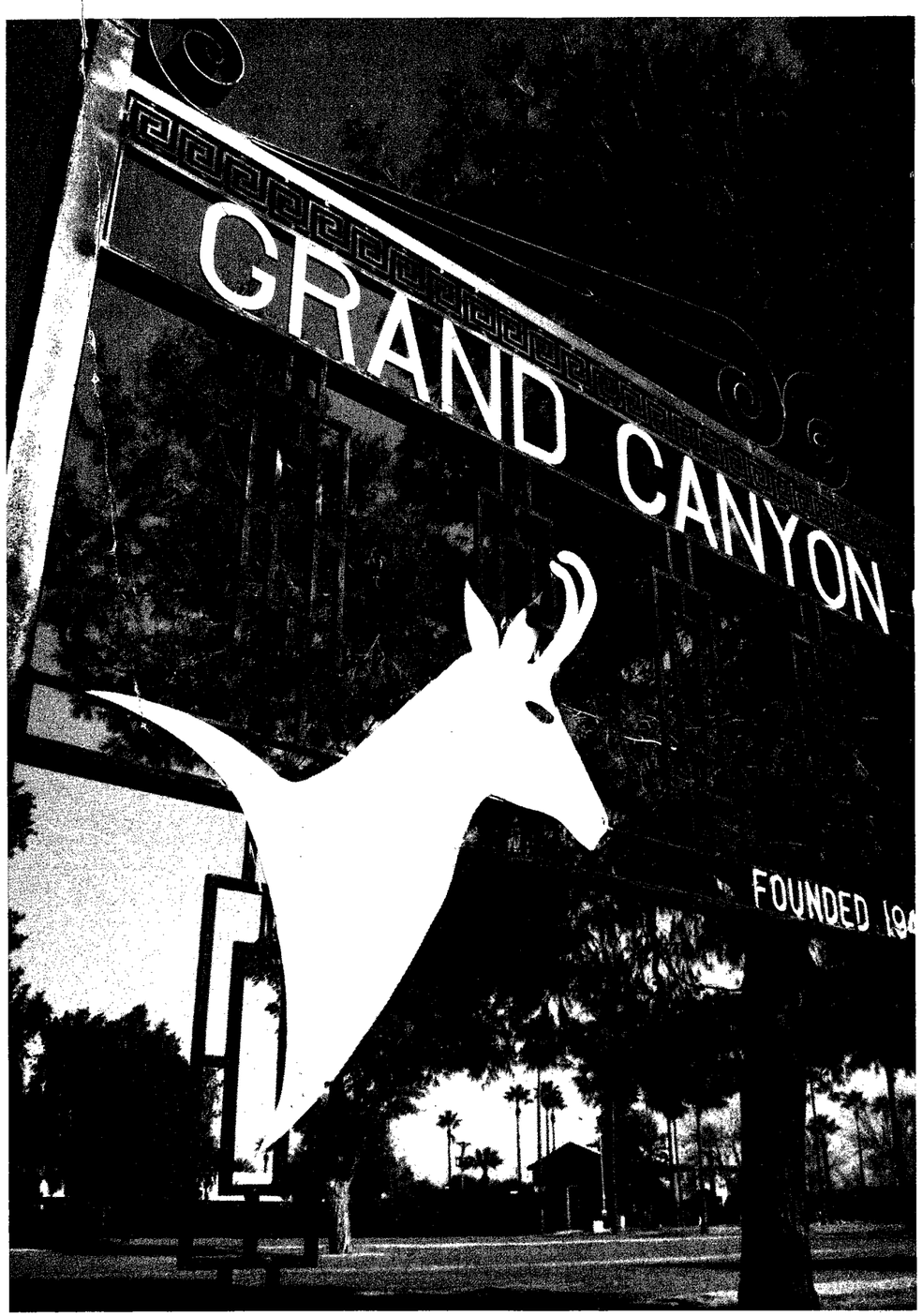
GRAND CANYON UNIVERSITY



CATALOG 1989-90/1990-91

GRAND CANYON UNIVERSITY



Catalog for
1989-1991

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

Founded in 1949

3300 W.
Camelback Road
Phoenix, Arizona
Volume XXXIII
June, 1989

WHO TO CONTACT

Concerning:	Write:	Call: (602)
Academic Matters, Faculty, Curriculum	Vice President for Academic Affairs	249-3300, x260
Academic Records, Registration, Transcript Requests	Records Office	589-2850
Administration, Legal Matters	Provost	249-3300
Admissions, Application Procedures	Admissions	589-2855
Athletics	Athletic Director	589-2805
Alumni Association	Director of Alumni	249-3300, x234
College of Arts and Sciences	Dean	249-3300, x489
College of Business	Dean	589-2867
College of Education	Dean	249-3300, x271
College of Nursing (Samaritan College of Nursing)	Dean	249-3300, x370
College of Performing Arts	Dean	249-3300, x290
Dormitories, Housing	Office of Student Development	589-2830
Fund Development, Estate Planning, Endowment Gifts	President of the Grand Canyon University Foundation	249-3300, x208
Publicity Materials	Director of Public Relations	249-3300, x340
Scholarships, Loans, Grants, Veterans Affairs	Financial Aid Office	589-2885
Student Accounts, Tuition, Fees, Expenses	Business Office	589-2880
Student Employment	Director of Student Employment	589-2831

University Main Switchboard Number:
(602) 249-3300

University Mailing Address:
Grand Canyon University
PO Box 11097
Phoenix, AZ 85061

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

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 these 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.

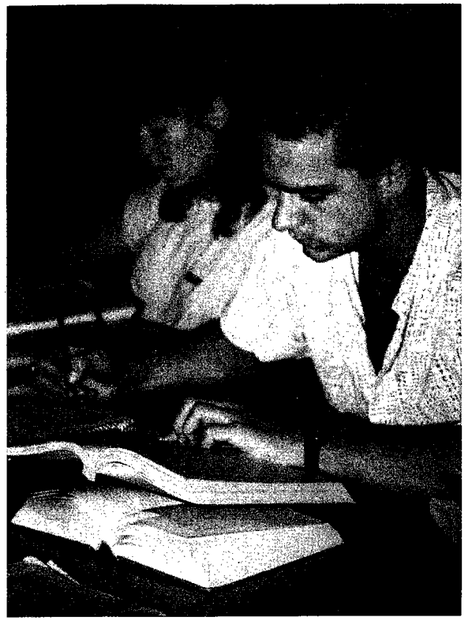


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1990

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1989-1990

(The Administration reserves the right to make changes in the Calendar)

FALL SEMESTER/1989

Resident Housing Open for Fall (New Students)	**Aug 25**
Resident Housing Open for Fall (Returning Students)	**Aug 27**
New Student Orientation/Activities	**Aug 28-Sep 1**
Group Advisement for New Students	**Aug 28**
Faculty/Staff Prologue	**Aug 29**
*Registration for Graduates, Second Degrees, 5th Year, Seniors, Juniors	**Aug 30**
*Registration for Sophomores, Freshmen, Unclassifieds	**Aug 31**
*Evening Registration (One Night Only)	**Aug 31**
Labor Day (No classes meet, Offices closed)	**Sep 4**
Late Registration	**Sep 1, 5-8, 11**
Instruction Begins	**Sep 5**
Last day to change schedule, add a course	**Sep 11**
Mid-Term Examinations	**Oct 16-20**
Mid-Term grades due by noon	**Oct 23**
Last day to drop classes, change to audit	**Nov 3**
Veteran's Day (No classes meet, Offices closed)	**Nov 10**
Pre-Registration for Spring 1990 (Currently Enrolled Students Only - Evening Registration for Evening Students only will be on Tuesday Night)	**Nov 13-17**
Thanksgiving Holiday (No classes meet, Offices closed)	**Nov 23-24**
Pre-Registration for January Term 1990 (Currently Enrolled Students Only)	**Nov 27-Dec 1**
Grades for Incompletes earned in Spring/Summer semesters due	**Dec 1**
Final Examinations	**Dec 12-15**
Fall Semester Ends	**Dec 15**
Fall Final grades due by noon	**Dec 18**
Christmas Holiday	**Dec 18-Jan 1**

Refer to Class Bulletin for specified times

STUDENT TEACHING - FALL/1989

Education Block courses begin	**Sep 5**
Last day to register for Block courses	**Sep 11**
Last day to drop Block courses	**Sep 20**
Education Block courses end	**Oct 10**
Fall Student Teaching begins	**Oct 11**
Fall Student Teaching ends	**Dec 15**

JANUARY TERM/1990

New Year's Day (No classes meet, Offices closed)	**Jan 1**
*Registration (8:00 a.m. - 10:00 a.m.)	**Jan 2**
*Instruction Begins (ALL classes meet at 10:30 a.m.)	**Jan 2**
*Convocation (Required of all January Term Students. Classes resume immediately following Convocation.)	**Jan 3**
Last day to register for January Term	**Jan 4**
Last day to drop class, change to audit	**Jan 12**
January Term Ends	**Jan 19**
January Term Final grades due by noon	**Jan 22**

Refer to Class Bulletin for specified times

SPRING SEMESTER/1990

Resident Housing Open for Spring (New Students)	**Jan 20**
Resident Housing Open for Spring (Returning Students)	**Jan 21**
Group Advisement/ New Student Orientation	**Jan 22-23**
Faculty/Staff Workshop	**Jan 24**
*Registration	**Jan 25**
*Evening Registration (One Night Only)	**Jan 25**
Late Registration	**Jan 26, 29-31, Feb 1, 2**
Instruction Begins	**Jan 29**
Last day to change schedule, add a course	**Feb 2**
President's Day (No classes meet, Offices closed)	**Feb 19**
Mid-Term Examinations	**Mar 12-16**
Mid-Term grades due by noon	**Mar 19**
Spring Break (No classes meet)	**Mar 19-23**
Last day to drop a class, change to audit	**Apr 6**
Good Friday (No classes meet, Offices closed)	**Apr 13**
Pre-Registration for Fall 1990 (Currently Enrolled Students Only - Evening Registration for Evening Students only will be on Tuesday Night)	**Apr 16-20**
Grades for Incompletes earned in Fall/January semesters due	**May 1**
Final Examinations	**May 14-17**
Spring Semester Ends	**May 17**
Senior Grades due by noon	**May 18**
Baccalaureate/Graduation	**May 19**
Spring Final grades due by noon	**May 21**

Refer to Class Bulletin for specified times

1990-1991

STUDENT TEACHING - SPRING/1990

Education Block courses begin	**Jan 29**
Last day to register for Block courses	**Feb 2**
Last day to drop Block courses	**Feb 14**
Education Block courses end	**Mar 2**
Spring Student Teaching begins	**Mar 5**
Spring Student Teaching ends	**May 11**

SUMMER PRE-SESSION/1990

Instruction Begins	**May 21**
Memorial Day (No classes meet, Offices closed)	**May 28**
Pre-Session Ends	**May 31**

NOTE: Registration for the Pre-Session will be at the same time as Summer I registration.

SUMMER I SESSION/1990

Registration (8:00 a.m. - 12:00 p.m.)	**Jun 1**
Late Registration (After 12:00 p.m.)	**Jun 1, 4-6**
Instruction Begins	**Jun 4**
Last day to change schedule, add a course	**Jun 6**
Last day to drop a class, change to audit	**Jun 22**
Independence Day (No classes meet, Offices closed)	**Jul 4**
Summer I Session Ends	**Jul 5**
Summer I Final grades due by noon	**Jul 9**

SUMMER II SESSION/1990

Registration (8:00 a.m. - 12:00 p.m.)	**Jul 6**
Late Registration (After 12:00 p.m.)	**Jul 6, 9-11**
Instruction Begins	**Jul 9**
Last day to change schedule, add a course	**Jul 11**
Last day to drop a class, change to audit	**Jul 27**
Summer II Session Ends	**Aug 9**
Summer II Final grades due by noon	**Aug 13**

FALL SEMESTER/1990

Resident Housing Open for Fall (New Students)	**Aug 24**
Resident Housing Open for Fall (Returning Students)	**Aug 26**
New Student Orientation/Activities	**Aug 27-Sep 1**
Group Advisement for New Students	**Aug 27**
Faculty/Staff Prologue	**Aug 28**
*Registration for Graduates, Second Degrees, 5th Year, Seniors, Juniors	**Aug 29**
*Registration for Sophomores, Freshmen, Unclassifieds	**Aug 30**
*Evening Registration (One Night Only)	**Aug 30**
Late Registration	**Aug 31, Sep 4-7, 10**
Labor Day (No classes meet, Offices closed)	**Sep 3**
Instruction Begins	**Sep 4**
Last day to change schedule, add a course	**Sep 10**
Mid-Term Examinations	**Oct 15-19**
Mid-Term grades due by noon	**Oct 22**
Last day to drop a class, change to audit	**Nov 2**
Pre-Registration for Spring 1991 (Currently Enrolled Students Only - Evening Registration for Evening Students only will be on Tuesday Night)	**Nov 5-9**
Veteran's Day (No classes meet, Offices closed)	**Nov 12**
Thanksgiving Holiday (No classes meet, Offices closed)	**Nov 22-23**
Pre-Registration for January Term 1991 (Currently Enrolled Students Only)	**Nov 26-30**
Grades for Incompletes earned in Spring/Summer semesters due	**Dec 3**
Final Examinations	**Dec 11-14**
Fall Semester Ends	**Dec 14**
Fall Final grades due by noon	**Dec 17**
Christmas Holiday	**Dec 17-Jan 1**

Refer to Class Bulletin for specified times

STUDENT TEACHING - FALL/1990

Education Block courses begin	**Sep 4**
Last day to register for Block courses	**Sep 10**
Last day to drop Block courses	**Sep 19**
Education Block courses end	**Oct 9**
Fall Student Teaching begins	**Oct 10**
Fall Student Teaching ends	**Dec 14**

1990

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1991

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JANUARY TERM/1991

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January Term Final grades due by noon	**Jan 21**

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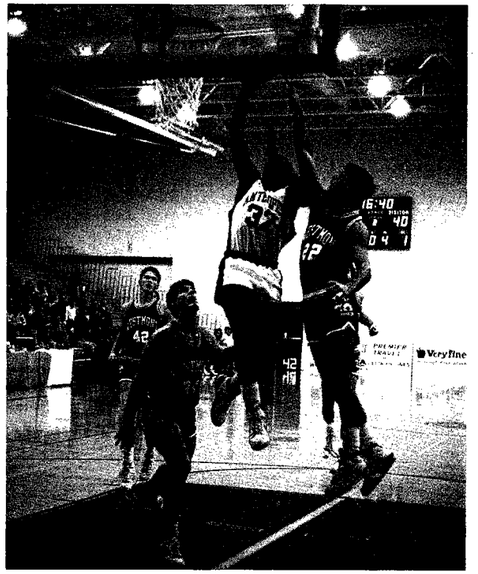
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*Registration	**Jan 24**
*Evening Registration (One Night Only)	**Jan 24**
Late Registration	**Jan 25, 28-31, Feb 1**
Instruction Begins	**Jan 28**
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President's Day (No classes meet, Offices closed)	**Feb 18**
Mid-Term Examinations	**Mar 11-15**
Mid-Term grades due by noon	**Mar 18**
Spring Break (No classes meet)	**Mar 18-22**
Good Friday (No classes meet, Offices closed)	**Mar 29**
Last day to drop a class, change to audit	**Apr 5**
Pre-Registration for Fall 1991 (Currently Enrolled Students Only - Evening Registration for Evening Students only will be on Tuesday Night)	**Apr 15-19**
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Spring Semester Ends	**May 16**
Senior grades due by noon	**May 17**
Baccalaureate/Graduation	**May 18**
Spring Final grades due by noon	**May 20**

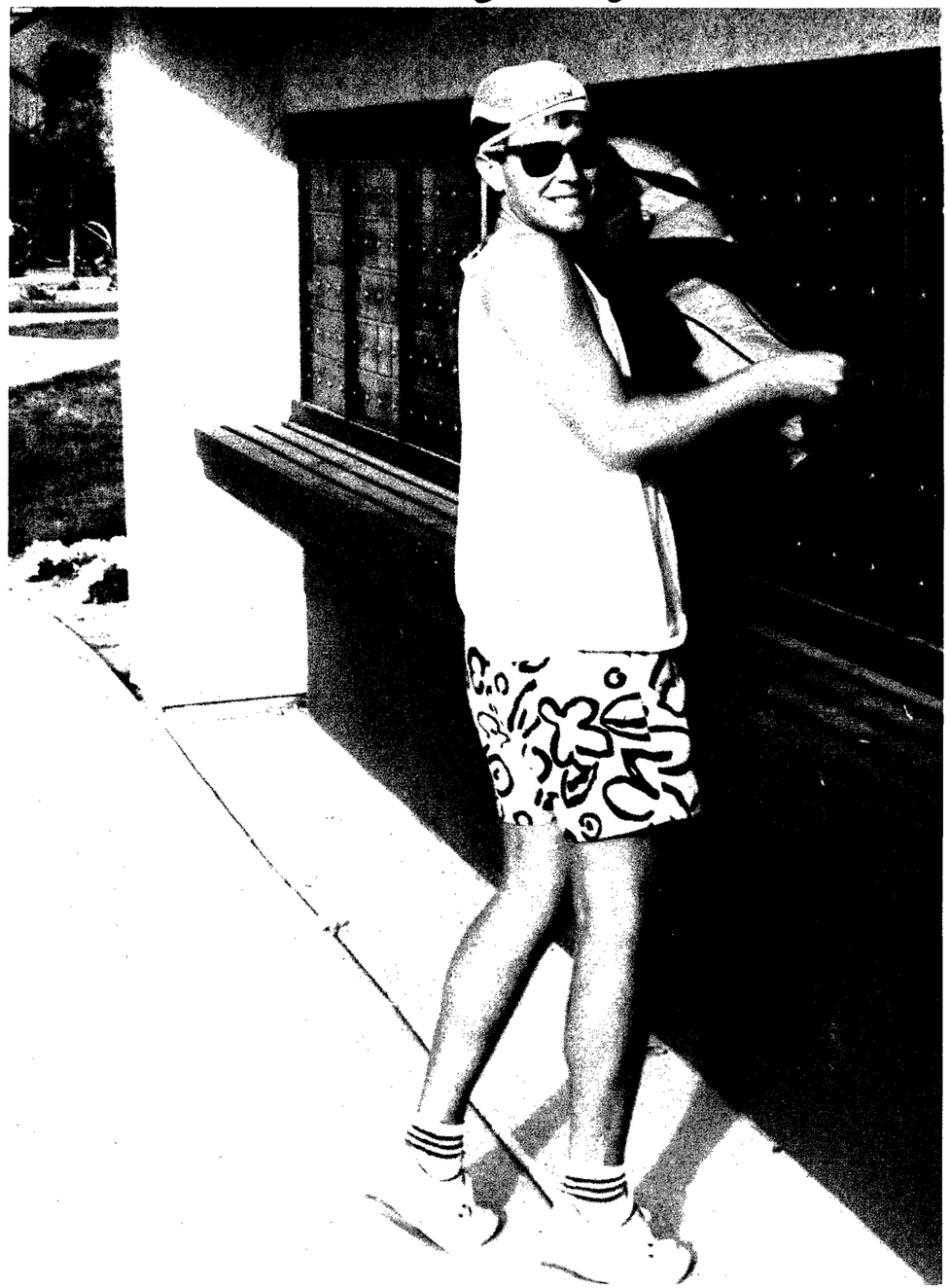
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STUDENT TEACHING - SPRING/1991

Education Block courses begin	**Jan 28**
Last day to register for Block courses	**Feb 1**
Last day to drop Block courses	**Feb 13**
Education Block courses end	**Mar 1**
Spring Student Teaching begins	**Mar 4**
Spring Student Teaching ends	**May 10**



General University Information



Purpose of the University
Christian Emphasis
Accreditation
Alumni Association
American Studies Program
Center for International Studies
Faculty
Governing Body
Historical Sketch
January Term
University Campus
- Location
- Athletic Facilites
- Charles M. Cook Health Center
- Computer Center
- Dormitories
- Ethington Memorial Little Theatre
- Fleming Classroom Building
- Fleming Library
- Mrs. W.C. Henderson Missionary-In-Residence Home
- Ray Student Services Building
- Samaritan College of Nursing
- Smith Arts Complex
- Smithey-Parker Building
- Tell Science Building
- University Bookstore
- Wallace Building

University Publications
University Seal

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, 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 during the Staley Lecture Series in February, 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 for the renewal of certificates.

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

The University is a member of the Association of Southern Baptist Colleges, the Council of Independent 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 page 44.)

ALUMNI ASSOCIATION

The Alumni Association of Grand Canyon University was organized in the spring of 1953, when the first four-year class graduated. The constitution, adopted in 1955, provides for membership of graduates and those former students who have completed a minimum of 32 semester hours in residence. Only graduates may hold elective offices.

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 periods of three or four months. 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 in integrating faith and learning through both a real-life work experience and a study program, and living in a small Christian community.

In 1986, the Christian College Coalition opened a Latin American Studies Program in San Jose, Costa Rica. Students interested in applying for either of these programs should secure the appropriate application materials from the office of the Vice President for Academic Affairs. Acceptance into either program is determined by the Christian College Coalition's staff, not Grand Canyon University, and priority is granted to earlier applications.

CENTER FOR INTERNATIONAL STUDIES

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

Since 1983 approximately 400 of Grand Canyon University's students, faculty, and staff have traveled to over 30 countries to teach, minister, or study. The Center for International Studies 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 10 students travel to each school to teach English. All students are encouraged to enroll in English Language Teaching Foundations and Methodology and do their practicum in China.

Brazil - A ten year agreement to assist 10 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.

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

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 for 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.

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 the written approval of the President of the University.

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 at first considered pretty much 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
Loyed 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

JANUARY TERM

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

Two types of courses are offered during January Term. These courses are structured with the intent to expand the liberal arts approach through a curriculum oriented to exploration. This curricular approach is realized through course offerings that promote the opportunity for each individual to experience new places, activities, and ideas that are beyond the scope of the usual degree curriculum. In addition, students may choose to take courses offered for departmental credit which may count toward a major or minor. The January Term Class Bulletin will indicate which courses will be



offered on a credit/non-credit basis and which courses will receive a letter grade.

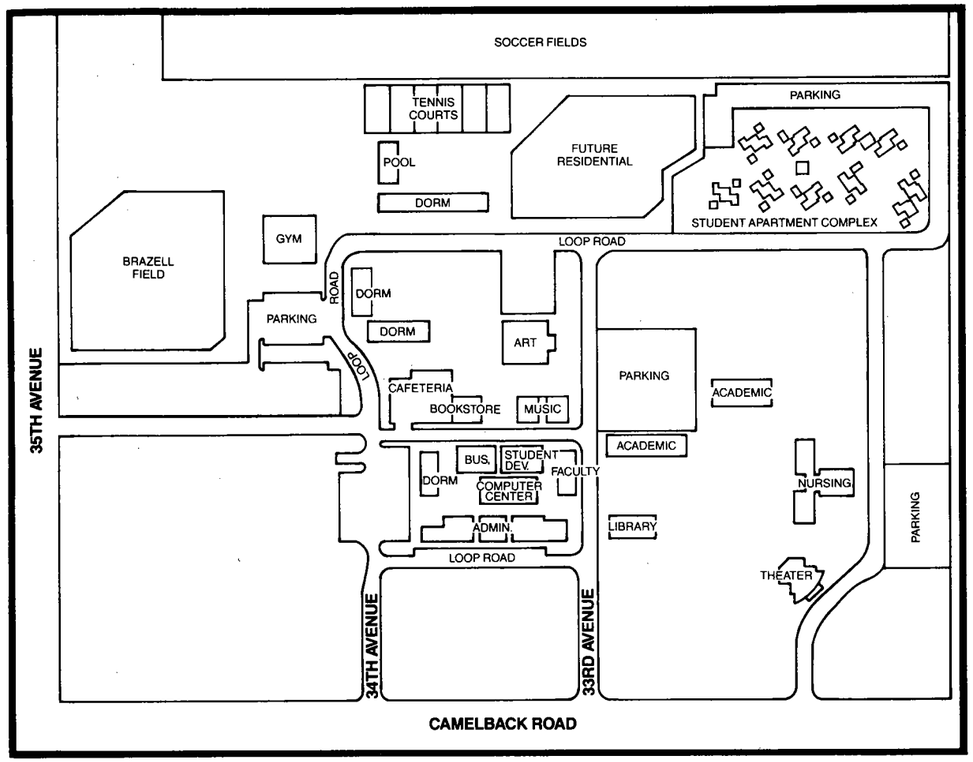
Convocation, tours, special speakers and performances are significant features of the interterm. Students are encouraged to participate in community activities related to their studies, to visit historic sites, and to make use of many other resources for learning not readily accessible during a regular academic schedule.

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

Students not regularly enrolled in Grand Canyon University may register for the January Term the first day of classes from 8-10 a.m. and may receive a schedule of offerings by writing the Vice President for Academic Affairs.

UNIVERSITY CAMPUS

The University is located in the 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 1.6 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 transcontinental 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. The Student Center and pavilion were secured largely through the efforts of students. Grouped around a quadrangle landscaped with flowers and Arizona shrubs and trees, all the buildings afford a view of the mountains surrounding the Valley of the Sun. The campus is comfortable and provides an attractive setting for college living.

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

A classroom building, another dormitory, 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 dormitory addition was completed in 1967. The Ethington Memorial Little 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, the Samaritan College of Nursing in 1985, and the Ray Student Services Building was dedicated in 1987.

All buildings are cooled in the summer.

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 1,000, 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 restroom.

The women's tennis team, 1981 NAIA champions, play at the Youngker Tennis Center. Located north of the dorms, 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 at the Youngker Tennis Center and a heated swimming pool was opened for recreational use.

CHARLES M. COOK 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 11/750 computer manufactured by Digital Equipment Corporation. The computer supports both batch and timesharing operation, using a variety of high-level languages.

A microcomputer laboratory utilizing IBM personal computers/compatables is also available to students. Word processing, electronic spread sheets, and other useful software packages are provided.

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

DORMITORIES

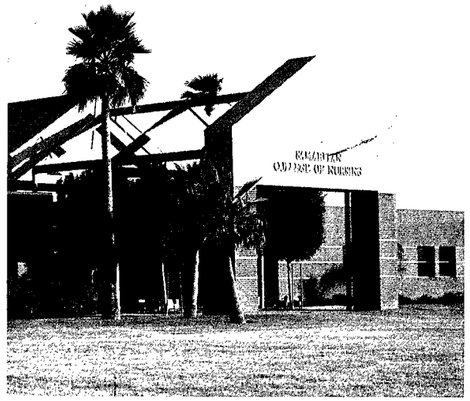
Bright Angel Hall, named for Bright Angel Creek at the bottom of the Grand Canyon, was completed in 1960. It houses 60 men in a two-story, fireproof brick building. It has large furnished rooms with telephones provided in each room. There is a second floor lounge and TV room and first floor lobby and laundry facility. It has a separate guest room facility.

Kachina Hall houses 28 residents and is primarily an athlete dorm for men.

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 one lobby, two laundry facilities, a large separate study room, and a separate guest room facility. The second floors have a lounge and TV room.

Mariposa dorm located adjacent to Kaibab is a single story building housing 30 residents.

The Student Apartment complex built and opened in the fall of 1986 consists of 9 complexes with 153 units (90 of which are furnished units).



The complexes are two- and three-story and consist of 1-bedroom, 1-bath at 671 sq. ft., 2-bedroom, 1-bath at 772 sq. ft., and 2-bedroom, 2-bath at 934 sq. ft. It is available to upperclassmen and married students.

ETHINGTON MEMORIAL LITTLE THEATRE

The Ethington Memorial Little Theatre, with a seating capacity of 333, 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 Building, completed in 1963, contains classrooms and houses the Christian Studies faculty.

FLEMING LIBRARY

The Fleming Library houses a collection of 100,000 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.

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.

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

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, Admissions and Records, the Business Office, and Financial Aid.

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.

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 sweatshirts, 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 ..... 8:30 a.m. - 9:00 p.m.
*Wednesday, Friday ..... 8:30 a.m. - 5:00 p.m.
Saturday ..... 10:00 a.m. - 3:00 p.m.
*Closed for chapel 10:30 - 11:30 a.m. on Mondays and Wednesdays.
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.

UNIVERSITY PUBLICATIONS

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

THE 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.

The colors of Grand Canyon University are purple and white.

Recommended by the faculty and adopted by the trustees.

Financial Information



Student Expenses
Room and Board
Tuition, Housing, and Fees
Special Fees
Special Class Fees
Student Insurance
Refunds
Application for Refund
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, a January Term, and a Spring semester. Summer school sessions are composed of two terms of five weeks each.

The expenses of the student are due and payable at the beginning of each semester and must be paid (or satisfactory arrangements concerning them made) with the Business Office before the student's registration is official. Failure to comply with the stated policies of the Business Office could result in 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 and MasterCard charges.

Under a time payment plan the schedule is as follows:

FALL SEMESTER	SPRING SEMESTER
September 25	February 25
October 25	March 25
November 25	April 25

Summer I must be paid prior to Summer II. Summer II 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 Business Office.

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

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. Dorm 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 bookstore purchases.

Whether required or requested, the amount is charged to the student's account at the 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 that 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 Business Office and replenish the account.

The following policies apply to Vali-dine cards. Please note that the policies differ for meals as compared to bookstore purchases.

VALI-DINE POLICIES

Vali-dine MEAL expiration policies:

1. Credit acquired during the Summer Sessions may be used during the following Fall semester.
2. Credit acquired during the Fall semester may **NOT** be carried over into January Term.
3. Credit acquired during January Term may be used during the following Spring semester.
4. Credit acquired during Spring may **NOT** be carried over into the Summer Sessions.

The cafeteria is closed when school is not officially in session (during the Christmas and Thanksgiving holidays, Spring recess, between the close of Spring semester and opening of the first Summer term, and between the end of the second 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 BOOKSTORE policies:

Vali-dine bookstore credits acquired during any given time will carry 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

Linens, towels, blankets and pillows are furnished by the student.

The schedule of charges for regular semesters and terms appears on next page. For holidays and guests, these provisions are made: Room rent is charged at the rate of $5 per day for students who stay in the dormitories when school is not officially in session (during Christmas and Thanksgiving holidays and



Spring recess, between close of Spring semester and opening of the first Summer term, and between end of the Summer term and opening of the Fall semester). For one guest, the charge is $10.00 per night.

A student is charged board at the time of registration. The cafeteria is closed during Thanksgiving, Christmas, and Spring holidays.

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

TUITION, HOUSING, AND FEES

REFER TO INSERT FOR CURRENT CHARGES

ACADEMIC YEAR

Tuition, per semester hour
(Scholarships do not apply towards Summer Sessions)

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

General fee
9 hours or more, per semester
8 hours or less (parking included), per semester hour
Summer (per 5-week term)

Parking
Fall and Spring semesters
Summer Sessions

Room (Double Occupancy)
Reservation deposit (Refundable when the student moves out of the dormitory permanently). Should the student not enroll, this deposit may be refunded if the intention not to enroll is made known to the University by August 1 for the Fall semester or by January 1 for the Spring semester.
Fall semester
Spring semester
January Term (15% discount given for 3 persons to a room)
Summer Session, per term (If taking 6 hours or more)
Summer Session, per week

Board
Fall and Spring semesters (minimum charge)
January Term
Summer Session, per session

SPECIAL FEES

REFER TO INSERT FOR CURRENT CHARGES

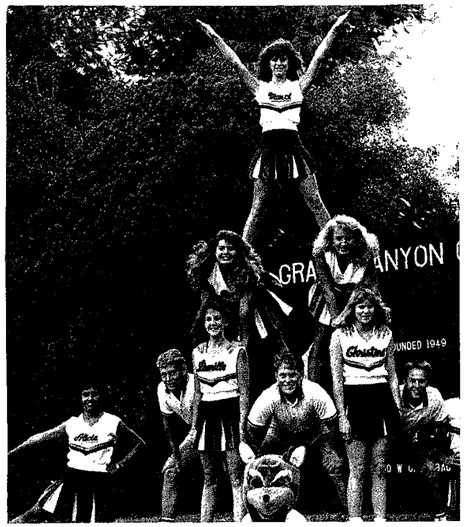
Application (non-refundable)
  Undergraduate
  Graduate
Academic Checksheet, per page
Academic Regalia
Additional Placement Brochure, each
Complete Withdrawal
Dormitory Dues
Drop/Add fee
Employment Placement Service
Guest Housing (School not in session), per day
Guest Housing (School in session), per day
Graduation Curriculum Change
Incomplete Records
Incomplete Registration
Interest charges on unpaid balance at Business Office, per month
January Term (If student pre-registers for January Term, fee is reduced by $5.00 - continuing students only)
Late examination
Late registration
Placement
Post Office box rental, per semester
Registration of second car
Replacement of Vali-dine card
Returned checks, per check
Special examination
Special examination, per semester hour or credit equivalent
Special Study (Independent Study, Internship/Practicum, and Reading & Conference)
Statement of Intent to Graduate (Undergraduate)
Statement of Intent to Graduate (Graduate)
Student Employment Placement
Student Identification
Student Insurance, sickness & accident, per semester (approximately)
Transcripts (first one free), each additional
University Systems Facilitation
Unofficial Graduation check list
Writing Proficiency Examination

SPECIAL CLASS FEES

Certain university classes require payment of fees or deposits for materials, breakage and/or rental. Refer to the current Class Bulletin for class fees.

STUDENT INSURANCE

A group plan for accident and sickness insurance for Grand Canyon University students is available and provides for payment of medical and hospital charges according to a schedule which is furnished each student planning to attend the University. All students living in the dormitory must have this or comparable insurance, and all other students are encouraged to carry such insurance. All international students are required to carry medical and hospitalization insurance. The University cannot



issue this insurance later than the last day of registration for credit. (See Academic Calendar, pages 4, 5, and 6.)

Coverage becomes effective at 12:01 a.m. on August 15, or as soon thereafter as application for it is received. For students taking insurance in the fall only, coverage continues through the Fall semester. For students taking the insurance for the Fall and Spring semesters, insurance continues until 12 midnight on August 14. Protection is in effect during all interim vacation periods and the student is covered at home, at school, and while traveling, 24 hours a day. Family coverage may be purchased. Coverage must be purchased on a semester basis.

All students living in the dormitory will be charged for student insurance on the day they register, unless they provide information as to their own carrier and policy number.

REFUNDS

If a student is forced to withdraw from school because of sickness or other unavoidable cause approved by the administration, expenses are refundable, upon application for refund, according to the schedule.

APPLICATION FOR REFUND

In order to secure a refund, the student must make official withdrawal at the time he/she is leaving school. Proper forms for withdrawal may be obtained from the Records Office. Refunds are not made until the Business Office receives an official notice of withdrawal from the student.

Refunds are determined by the date the student files a completed withdrawal form with the Business Office.

The minimum charge for any student withdrawing from school is $25 regardless of whether the student has attended classes.

All refunds due 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 Business Office is not open, the refund is obtainable on the next business day.

REFUND SCHEDULE

Fall and/or Spring Semester and Evening School refunds

Tuition

During first week of classes	100% of tuition & fees
	$ 25.00 complete withdrawal
	10.00 for one or more hours
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

Fees

Fees are not refundable after the first week of classes.

Room and Board

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

No refunds given without proper dorm checkout form.

January Term refunds

Tuition

Full refund of tuition & fees through second day of classes.

January, third day of classes	75% of total tuition
January, fourth day of classes	50% of total tuition
January, fifth day of classes	25% of total tuition
January, after first week of classes	No refund

Room

Minimum charge—January withdrawal	$ 40.00

Board

Maximum of $100 refunded upon withdrawal before January 1. No refunds for off-campus courses or tours other than 10% (up to $25 maximum) of Vali-dine charges.

Summer School refunds

Tuition

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

Fees

Fees are not refundable after the first week.

Room and Board

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

No refund is given without a proper dorm checkout form.

FINANCIAL AID

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

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

ELIGIBILITY

To be eligible for financial assistance, a student must be enrolled at least half-time 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/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 American College Testing (ACT) Family Financial Statement (FFS) as the primary form of application; 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 4331 for Grand Canyon University. **(3)** The Federal Financial Aid Application is for the Pell (Basic) Grant only and no fee is required.

You will need to allow four to six weeks for processing on any of the above applications. 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 our Admissions-Records Office from each previous college or university attended.

PREFERENCE/DEADLINE DATES

Rather than operating under strict deadlines, the Financial Aid Office 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 April 15 before anticipated enrollment in the Fall, and October 15 before anticipated enrollment in the Spring. Applications received after that date will be reviewed on a "first come, first served" basis.

DETERMINATION OF FINANCIAL AID

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

Cost of Attendance
Minus - Parents' Contribution
Minus - Student Contribution
equals FINANCIAL NEED

All students will be expected to contribute toward their cost of education from summer earnings and from employment during the academic year. The Financial Aid Office will make every effort to meet the financial need of each student. A Financial Aid Officer 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 hours in order to be considered full-time students. Graduate students must be enrolled for at least 9 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 FINANCIAL AID OFFICE INFORMED

Students who are receiving financial assistance through the Financial Aid Office and who receive additional outside assistance must report this fact to the Financial Aid Office 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 that should be reported to the Financial Aid Office is 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 or NAIA.) Transfer students are considered to be making satisfactory progress if they maintain a 2.0 ("C") grade point average and do not have excessive course drops. Continuing Grand Canyon University students 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/her cumulative GPA up to 2.0.

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/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. The combined summer terms are recognized as a full semester and considered to be the beginning of our awarding year; also, if a student registers for the January Term in the Fall semester, those hours will be counted toward the Fall. 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:

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

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/her from making satisfactory progress. Detailed guidelines concerning the appeal process are available on request from the Financial Aid Office.

REFUND POLICIES

Information concerning unearned tuition and fees or other refundable portions of costs paid to Grand Canyon University can be obtained in the Financial Aid Office. Students who are recipients of scholarship and financial aid funds will be required to repay a prorated portion of the financial assistance received through the Business Office when they drop below award level or withdraw from school.

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 misreporting 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 good standing and satisfactory academic progress.

STUDENT RIGHTS

YOU HAVE THE RIGHT TO:

1. Know what financial assistance is available, including information on all federal, state, and institutional financial aid programs.
2. Know the deadlines for submitting applications for each of the financial aid programs available.
3. Know the cost of attending the institution and the University's refund policy.
4. Know how the University determines your financial need. This process includes how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc., are considered in your budget.
5. Know what resources (such as parental contribution, other financial aid, your assets, etc.) are considered in the calculation of your need.
6. Know how much of your financial need, as determined by the institution, has been met.
7. Request from the Financial Aid Office 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 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 eight 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. Students interested in priority consideration must submit a scholarship application no later than April 15 before anticipated enrollment in the fall, and October 15 before anticipated enrollment in the spring. Applications received after that date will be reviewed on a "first-come" basis. Application must be made to the Financial Aid Office not later than the last day of late registration in the Fall semester.

ACADEMIC SCHOLARSHIPS

Students who graduate in the top 10% of their high school class, or who are in the top 10% of their class at the end of their 6th or 7th high school semester may qualify for academic scholarships. Students may also qualify with an ACT composite or SAT combined score at or above the 95th percentile nationally. 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. A student who has earned fewer than 12 hours may still qualify, regardless of high school

graduation date. The scholarship is renewable for the full four years, provided a 3.0 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

STUDENT 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 3.0, 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 hours at another institution must requalify for the scholarship.

GRADUATE FELLOWSHIPS

Students enrolled in the Master's Degree programs may qualify for Graduate Fellowships. Eligibility is based upon the student's GPA, a letter of request submitted to the College of Education, and future goals. The student must also enroll for at least nine hours. Exceptions may be made a the discretion of the College of Education Dean. Fellowships may be renewed at the discretion of the Dean provided the student maintains a 3.0 GPA.

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/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 dormitory assistants. Information can be obtained from the Office of Student Development 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/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 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 or NAIA regulations and institutional policy. For further information, the students should contact the athletic coach in the area of his/her interest.

ENDOWED SCHOLARSHIPS

Many alumni and friends of Grand Canyon University have endowed scholarships or have made commitments to annually fund scholarships for specific areas of study. The Financial Aid Office 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 requirement 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 contains numerous memorial funds not large enough to be managed individually. Earnings from these funds are usually applied to the operating budget of the University, except when specific restrictions have been expressed by the donors. Contributions to this fund have been given in honor of or in memory of loved ones or friends.

Charles E. Arant, Jr. Memorial Scholarship is an endowed scholarship provided by the wife and daughters of Mr. Charles E. Arant, Jr., a businessman of Greenville, Texas. The scholarship is to aid students majoring or minoring in business. The recipient shall be at least a sophomore by classification for the applicable school year, and maintain at least a 3.0 GPA on all academic work.

Ernest I. and Eurice Bass Scholarship Fund is a trust established by Ernest I. and Eurice M. Bass to provide scholarships for worthy students in need of financial assistance.

Betty Wallace Beamer Memorial Fund is an endowed scholarship established by Mr. and Mrs. Edward D. Wallace. Earnings from this fund are awarded to a sophomore or upper-class student who has demonstrated good scholarship and citizenship and has a concentration in humanities with a major interest in art.

Beck Memorial Scholarship is an endowed scholarship created by the administration of the University in honor of Drs. Roland and Betty Beck and their service to Grand Canyon University. Both were members of the original faculty, and Dr. Roland Beck was the second dean of the College and served as the head of the Education Department. The scholarship is intended for students who show financial need.

Woodrow and Letress Berryhill Scholarship is an endowed scholarship created by the Berryhills to aid Christian students who show financial need.

Henry and Dollie Brice Memorial Scholarship is an endowed scholarship made available by Mr. and Mrs. Guy Stoker of Snyder, Texas, in memory of Mrs. Stoker's parents. This scholarship assists Christian students who show financial need.

Business Student Achievement Fund is an endowed account for qualified business students who have earned the opportunity to compete in **regional** and **national** competitions. Students qualify by winning local and state competitions relative to the business subjects they are taking. Funds for travel and lodging expenses are available **only** for students competing in regional and national competitions.

Vera Butler Scholarship is an endowed scholarship established with gifts honoring Dr. Vera Butler, former professor at Grand Canyon College. Scholarship funds are awarded to a senior woman majoring in elementary education who has demonstrated good scholarship, character, and citizenship.

Cook/Bishop Memorial Presidential Grant is an endowed scholarship provided by Truman Cook and Bula Bishop Cook in memory of their mothers to aid Christian students who show financial need.

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

Hilton Jones Crow Scholarship is an endowed scholarship initiated by Dr. Joyce Parker, and



endowed by friends and family. Earnings from the endowment are used to assist upperclass students who have maintained a 3.0 GPA. Recipients must be training for a ministry in history, creative writing or one of the ministries in a Southern Baptist Church, or in the state or national Southern Baptist Convention. Recipients must do two research papers each year for the archives of the Historical Commission of the Arizona Southern Baptist Convention.

Keith and Mary Sue Davis Scholarship is an endowment available to a qualified business major.

Evans-Griffin Scholarship is an endowed scholarship provided by Edna Hoffman Evans and Jewel Griffin of Phoenix, Arizona. This award is available to qualified junior women majoring or minoring in education who demonstrate financial need.

David H. Eaton Scholarship is an endowed fund provided by family and friends of Mr. Eaton, a Christian churchman and businessman to aid a Christian student with financial need. It is available to a junior with a GPA of 3.0.

Wesley and Lola Freeburg Scholarship Fund is an endowed scholarship established by Mrs. Lola Freeburg. Eligible students must demonstrate financial need, exhibit good moral character, and must maintain a normal academic course load.

Jim and Claire Goins Living Memorial is an endowed scholarship established by family and friends in 1981 following the death of Reverend Jim H. Goins, minister of the gospel of Christ, missionary and friend of students. Claire K. Goins, their children and grandchildren initiated the endowed scholarship to benefit a ministerial student whose vocational goal is to serve as a

pastor-minister. Recipients must be junior status, maintain at least a 3.0 GPA, and show financial need. In addition, they must be actively involved in a local Southern Baptist Church.

Ernest E. and Linnie Ann Hatcher Memorial Scholarship is an endowed fund provided by Woodrow and Letress Berryhill, son-in-law and daughter of the Hatchers to aid Christian students who show financial need.

Louis Willard and Katheryn Opal Hardcastle Scholarship is an endowed fund established in 1985 by their two daughters, Bonny Lynn Brewer and Ila Fay "Fayly" Cothern, in honor of their living parents. Earnings from the invested endowment is awarded to students during their junior and senior years of study, who are training for a church-related vocation.

S.F. and Jewel Hawkins Memorial Scholarship was established in memory of a long time educator in the Phoenix area. Mr. and Mrs. Hawkins were dedicated Christians who loved college students. The fund will be used to aid Christian students who show financial need.

Mrs. W.C. Henderson ACTEEN Scholarship Fund is an endowed scholarship for women who have participated in the Women's Missionary ACTEEN program. There are four levels of ACTEEN work: Queen, Queen with Scepter, Queen Regent and Queen Regent in Service. The amount awarded each student will be determined by the level of work completed. This scholarship honors Carrie Henderson who lived in Arizona until her death in 1982. Active in every facet of mission organization (local, state, national and foreign), her home was a place of refuge and renewal for missionaries, pastors, evangelists and other Baptist denominational workers. She was elected the first president of the Arizona Women's Missionary Union in 1928.

Hine Memorial Scholarship is an endowed fund established in memory of George H., Frank B., and O. Hugh Hine by their mother, family and friends to aid Christian students who show financial need.

William R. Hintze Alumni Scholarship Endowment is an endowed scholarship fund established by the Alumni Association of Grand Canyon University in memory of the late Dr. William R. Hintze, president of Grand Canyon College from April 1973 to November 1977. The Alumni Association adds to the principal annually to assist Christian students who show financial need.

William R. Hintze Memorial Presidential Grant is an endowed scholarship established by Mrs. Barbara L. Hintze Miller and others in loving memory of Dr. William R. Hintze, President of Grand Canyon College from April 1973 to November 1977. This endowment is awarded to students with financial need by recommendation of the President of the University.

Richard A. Jackson Scholarship is an endowed scholarship established by friends of Richard A. Jackson, Senior Pastor of the North Phoenix Baptist Church of Phoenix, Arizona, to assist Christian students who show financial need. It is awarded by recommendation of the President of Grand Canyon University.

Tom S. Kent Family Scholarship Fund is an endowed scholarship established by descendants and friends of Tom S. Kent, Sr., a Christian businessman of Grapeland, Texas. This fund is used to provide scholarships for business majors.

Paul and Esther McCarty Scholarship is an endowed scholarship created by the McCartys to assist Christian students who show financial need.

Mary McDowell Living Memorial Scholarship was established to provide scholarships for ministerial students whose goal is to serve as a pastor or for students whose goal is to be a missionary under the Southern Baptist Convention Home Mission Board or Foreign Mission Board.

McFarland Scholarship is an endowed scholarship established by Mr. and Mrs. Ernest W. McFarland to aid Christian students who show financial need.

Fannie Mae Meredith Scholarship is an endowed scholarship established by the Alumni Association in 1984 in appreciation of her twenty-eight years of service to Grand Canyon College as a student, volunteer and staff member. She became the volunteer alumni secretary upon graduation in 1960. After twelve years in this capacity, she was hired as Executive Secretary of the Alumni Association. Family and friends funded the endowed scholarship to assit Christian students who show financial need.

Karl S. Nelson Memorial Scholarship Fund is an endowed scholarship made available by Mr. and Mrs. E.T. Wells of Sun City, Arizona, in memory of their grandson. It is awarded to Christian junior or senior men who show financial need.

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

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

Crystle Paetz Nursing Scholarship is an endowed scholarship provided by Mrs. Crystle Paetz and her sons, Carl, Jack, Gene and Bill Paetz to aid third year nursing students. Recipients must maintain a 2.5 GPA, and be recommended by the College of Nursing dean. The funds will be used to assist a Christian student who shows financial need.

Joyce Daily Parker ASTD Award is an endowed scholarship established by Valley of the Sun Chapter, Inc. of the American Society for Training and Development in honor of Dr. Parker's having been the first female recipient of the prestigious Gordon M. Bliss Award in 1972. A cash award is given annually to the outstanding Human Resources Development graduate. Selection is made by the Human Resources Development Program Director and the Valley of the Sun/ASTD Scholarship Committee.

Dr. and Mrs. Robert Pickering Scholarship is an endowed fund provided by Dr. and Mrs. Robert Pickering of Phoenix, Arizona. The annual award to an upperclassman is based on Christian commitment and academic progress in psychology or the social sciences.

Edward W. Pollock Family Scholarship is an endowed scholarship provided by Mr. Pollock's family. The scholarship is to aid a student whose vocational goal is to teach, or to be involved in some area of vocational Christian service. The recipient must maintain a 2.4 GPA on all academic work after the first year.

Mack D. and Bonnie Jean Reagan Business Scholarship is an endowed scholarship established in 1979 by Mrs. Bonnie Jean Reagan, Drs. Lowell B. and Joyce Parker, and friends in memory of the late Mack D. Reagan, an outstanding entrepreneur from Carthage, Mississippi. This trust will provide scholarships for business majors in need of financial assistance who show promise of future success in business.

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

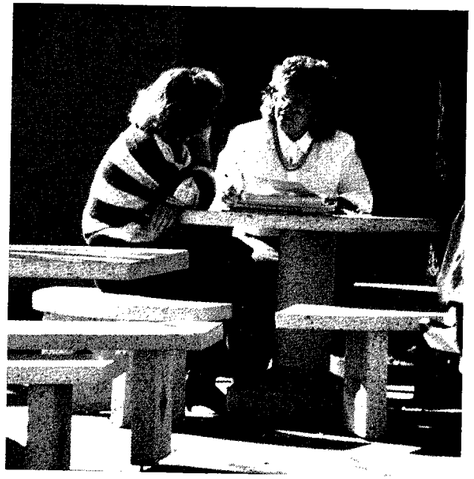
Jerry D. Smithey Business Scholarship was established in 1979 by Mrs. Sarah Elizabeth Smithey, Dr. Lowell B. Parker and friends to honor Jerry D. Smithey, a Phoenix Christian businessman, for his enterprising achievements and for his support of Christian work in Arizona. Income from this trust is to provide scholarships for innovative students majoring in business who have demonstrated good citizenship and are in need of financial assistance.

A.L. Stoker Memorial Scholarship is a permanently endowed scholarship fund provided by Mr. and Mrs. A.L. Stoker of Snyder, Texas. The funds will be used to assist Christian students who show financial need.

Roy F. and Helena H. Sutton Scholarship Fund is an endowed scholarship made available by Roy F. and Helena H. Sutton for the benefit of ministerial students with financial need.

John B. Will and Fred and Norma Pfeiffer Scholarship is an endowed scholarship established by Buel R. Will of Conroe, Texas, to aid qualified students in attaining their educational goals. The recipient must be an American citizen, maintain a 3.0 GPA and show financial need.

Helen Youngs Memorial Fund is an endowed scholarship provided by relatives and friends of Helen Youngs and made available to Christian women students with financial need.



GRANTS FROM PRIVATE BUSINESSES, FOUNDATIONS, AND ORGANIZATIONS

Dougherty Foundation Loan/Grant. Selection is based on academic achievement and/or financial need. Loans are available to graduate students; interest rate is (4%) four percent. Repayments commence following graduation. Scholarship assistance may be available with loan.

ASTD Scholarship. The American Society for Training and Development, Sun Valley Chapter, has provided grants for students in the Human Resources Development program. Applications for these grants may be obtained from the Financial Aid Office.

Farmers Insurance Group of Companies Scholarship. Annually, the Farmers Insurance Group of Companies make available funds to be awarded to students in the areas of mathematics, business administration, personnel, and other areas related to the insurance field. Recipients must have achieved sophomore standing and maintained a minimum 2.5 GPA.

First Interstate Bank of Arizona, N.A. has established with Grand Canyon University a scholarship fund to assist qualified business majors and minors. Students receiving the scholarship shall have a 3.0 GPA for the prior two semesters, and be recommended by the business faculty.

Howard Relfe Memorial Scholarship is an endowed scholarship provided by Thunderbird Bank, Inc. in memory of their late Chairman of the Board. This award is to aid an accounting major recommended by the major professor, and is administered by the Financial Aid Office.

Dorothea Van Deusan Opdyke Scholarship is a fund used to aid students who are natives to "mountainous areas" of the United States.

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 400 West Camelback Road, Phoenix, Arizona 85013. 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 aid package may include grant money whenever guidelines and funding levels permit.

PELL GRANT

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 actual cost of attending the University less the amount the student or his/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 the FFS or FAF form, or by obtaining a Pell (Basic) Grant application from the Financial Aid Office. Applications must be submitted annually. Upon receipt of the Student Aid Report (SAR), all three copies must be mailed to the Financial Aid Office 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 to 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 aid 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 Financial Aid Office 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, but cannot exceed $4,500 for the first two years, $9,000 for the undergraduate years, or $18,000 for a combination of undergraduate and graduate study. 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, or is enrolled less than half-time, 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 the American College Testing 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 bank, 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 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 4th year of repayment; 10% 5th 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 with monthly payments of not less than $50. To qualify for this loan, the student must be accepted for enrollment, or if enrolled, 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 Financial Aid Office.

PLUS LOANS AND SUPPLEMENTAL LOANS FOR STUDENTS (SLS)

PLUS loans are for parent borrowers; SLS's are for students. Both loans 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 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 and is a dependent student. 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 made after July 1, 1988 is set at 10.45%. The interest rate for the 1989-90 award year will be determined in June 1989. SLS and 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 or 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. (See page 19.)

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 students and have demonstrated financial need on the FAF or FFS. The maximum amount a recipient can earn under this program is determined through an evaluation of the 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 Music Department, and residence 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 Financial Aid Office.)*

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

Student Employment Services also offers placement services to graduates or former students who have completed a minimum of 12 credit hours at the University. Every effort is made to aid current students, graduates and former students in achieving their career goals. A one time fee is charged to students seeking full-time employment with Student Employment Services.

Services of the Student Employment Office include: providing information concerning techniques of searching for jobs, processing applicant and employer requests, posting job vacancies on campus bulletin boards, providing placement brochures for prospective employers, and providing information about prospective contact with the applicant and the prospective employer. Students are guided through the process of finding a job and given openings rather than being placed in a job. Contact Student Employment Services at (602) 589-2831 for more information.

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 Service 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 student center, the intramural and recreational areas, the bookstore and game room, the library, the parking areas, and campus landscaping. This cooperative endeavor has created a wholesome climate on campus and has maintained warmth, closeness, and unity of fellowship which can best be described as a family relationship.

Students and faculty members likewise experience genuine satisfaction as together they seek to discover and confront truth and as they search for solutions to problems involved in the human predicament. The words of the Alma Mater summarize the attitude and spirit of Grand Canyon 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 ensemble, jazz bands, chamber ensembles and orchestra, handbells, a guitar ensemble and opera and Broadway musicals each year.

The University Chorus and the Women's Chorus are non-auditioned ensembles open to all interested students of the University *(Pre-requisite: 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 times given on a supplementary schedule. 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. January Term courses are not included in the 9-hour semester course load.

CONDUCT

Grand Canyon University attempts to create an atmosphere conducive to the purposes of a liberal arts education in the Christian tradition. All students who enroll in the University are expected to accept the responsibilities of campus citizenship and to show consideration and respect for the personal freedom and property rights of members of the civic community and the academic community. Students are expected to give primary attention to their college work and to all classes, exercises, and engagements which require their attendance. While some students may not have personal convictions in accord with the University's policies, a person's enrollment at Grand Canyon University assumes that he/she accepts responsibility for honorable adherence to these standards, both on and off campus, while a student at the University.

Meetings and other activities provided by students in the name of the University, departments or student organizations of the University must have the approval of the Dean of Students.

The administration and faculty must approve any new club or society which is organized. They reserve the right to limit or disband any student organization.

Extracurricular activities which take students away from classes must first be approved by the Vice President for Academic Affairs.

No property belonging to the University or to other students may be altered or removed without special permission. Any loss, damage, or breakage of school property will be charged to the student responsible for it.

Students are not permitted to have firearms of any nature or any other illegal weapon in accordance with the laws of the State of Arizona in their possession in their dorm room or apartment on campus. Hazardous materials such as blasting fuses, bullets or firecrackers are also prohibited.

Gambling, the drinking of or possession of intoxicating beverages, and the use or possession of any of the narcotic and hallucinogenic drugs is entirely forbidden. Any student who violates these standards, either on or off campus, is subject to dismissal.

The use of tobacco is not permitted on the campus except in a smoking area outside the dormitory and at the east end of the Fleming classroom building.

Dancing is not permitted on the campus, and university organizations may not sponsor dances.

The use of profanity or vulgarity is forbidden.

All students should familiarize themselves with rules and discipline procedures stated in the Student Handbook. 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 Development. Low-cost counseling is available to all students and their families. No student is denied counseling due to inability to pay and medical insurance often will cover all or part of the cost. 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 Development 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.
- The student 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 Dormitory/Kaibab Dormitory, both two-story buildings, are accessible to wheelchairs at the ground levels 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 Admissions Office, 3300 West Camelback Road, Phoenix, AZ 85017 (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 or 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 28 for further information about the service and fees.

FOOD SERVICES

The University cafeteria provides well-balanced meals. All residents of the dormitories 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 during the Thanksgiving, Christmas, and Spring holidays.

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

HEALTH SERVICE AND HEALTH RECORDS

The Cooke Health Center helps students maintain their physical and mental health, and is a campus resource for counseling on health problems. The staff is equipped to deal with acute as well as chronic problems. It is the goal of the Health Center to provide medical support for students in the very best manner possible.

The Health Center is an out-patient health facility. It is staffed by a registered nurse with a Bachelor of Nursing degree and a part-time university physician who has a private family practice. Laboratory, x-ray, pharmacy, and emergency room services are close by.

The Health Center is open Monday through Friday from 7:00 a.m. until 4:00 p.m. The nurse is on call after hours and during weekends. Services can be paid for at the time, billed to the student's school or family insurance or charged directly to the student's account. All appointments with the university physician must be made through the campus nurse. A student may retain his/her own physician. **Every student is personally responsible for all his/her medical costs.**

The Health Center places a strong emphasis on health promotion and life-style management. The nurse is available for individual counseling and group presentations on a wide variety of health education, promotion and prevention subjects.

Student medical insurance is available for all students regularly enrolled at the University. This low-cost insurance is not required for services at the Health Center but is designed for students as a supplement to their parent's health insurance or as a student's only plan. The plan helps students financially with out-patient costs such as doctor visits, lab fees and x-rays as well as in-patient services.

Dorm students and international students must carry health insurance. All other students are encouraged to carry health insurance, as they are financially responsible for their own health care.

Students are required to have a physical exam and a health form to live in the dorms. All students must submit a Student Health Record, as well as immunization records, prior to registration.

An athlete must be approved by the physician for the athletes before being permitted to participate in major sports. Examinations will be repeated periodically during the time of such participation.

Any student enrolled at the University who becomes, in the opinion of the medical staff of the Health Center, a danger to self 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 person who has been required to withdraw from school may be required to furnish a satisfactory health certificate 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, department fellows, junior class marshals, and students named for the current year in Who's Who in American Colleges and Universities.

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

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 transferable hours.

Junior Marshals. Special recognition is given to the two juniors with the highest academic ranking at the end of the Fall semester of their junior year. This honor is restricted to those who have transferred in no more than 12 semester hours.

Graduation with Honors. The requirements for graduation with honors are stated on page 53.

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

Freshman students whose grade point average is 3.0 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 53.

Who's Who Among Students 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 2 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 "B" average must be attained by the recipient.

Wall Street Journal Award. The Wall Street Journal Award is given annually to an outstanding business student recommended by the 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

Both apartment style and dormitory style housing is available on campus. One- and two-bedroom units, both furnished and unfurnished, can be rented by upper class students and married students in the student apartment complex.

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

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

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

The dormitories are closed during the Thanksgiving and Christmas holidays and Spring recess. Any use of the dormitories during these periods must be approved by and is subject to the review of the Office of Student Development.

All students residing in university dormitories must take meals through the university meal plan.

The dormitories are closed at 12 midnight during school nights and at 2 a.m. on weekends.

The administration reserves the right to make such regulations as may seem advisable in regard

to its responsibility for students who live off the campus and away from their parents.

The minimum course load for a dormitory resident is stated on page 50.

INTERCOLLEGIATE ATHLETICS

The 'Lopes sponsor 9 varsity teams in baseball, men's and women's basketball, men's and women's cross country, men's golf, men's soccer, women's tennis, and women's volleyball, as well as JV programs in baseball, volleyball, basketball, and soccer. During the 1989-90 year the 'Lopes will participate in the NAIA and in 1990-91 in the NCAA, Division I Baseball and Division II in all other sports, pending necessary approvals. Scholarships are offered in all sports in accordance with the affiliate's rules.

To be academically eligible, student-athletes must meet the following requirements:

1. Have scored a 15 on the ACT test before completion of senior year of high school.

2. Be a high school graduate with a 2.0 GPA in the eleven core courses which include: three years of English, two years in Math, two years in Social Science, two years in Natural or Physical Science (including one laboratory course).

3. Transfer students must meet criteria 1 and 2 or attain an AA degree.

4. Transfer students must have completed 24 hours of credit in the previous two semesters.

5. All athletes must remain in good standing academically at Grand Canyon and upon completing 60 hours maintain a 2.0 GPA throughout the remainder of their schooling.

All athletes at Grand Canyon are expected to abide by all the guidelines of this catalog including the Christian representation of this institution. All athletes are subject to drug tests as outlined by the athletic program. The Drug Testing program is available upon request.

ORGANIZATIONS

CUSTODY OF ORGANIZATION FUNDS

All student organizations are required to deposit their funds with the university Business Office. The university disburses funds when requested by the sponsor or the president or treasurer of the organization with the sponsor's approval.

STUDENT GOVERNMENT

The membership of the Associated Students of Grand Canyon University (ASGCU) includes all students registered for nine or more semester hours for the current semester. The ASGCU elects six officers who form the Executive Council, and each class elects three senators who function as the legislative branch of the ASGCU. General meetings of the ASGCU are held in addition to weekly meetings of the Senate and the Executive Council. The student court, composed of three appointed justices, completes the organizational structure of the ASGCU.

The ASGCU seeks to provide a means of mediation for any problem that may arise from the Associated Students and to be a nucleus for sponsoring and coordinating campus activities. 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. In 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.

DEPARTMENTAL AND PROFESSIONAL CLUBS

Art Company of GCU promotes interest and enjoyment in art and art education and is open to all interested students.

Alpha Kappa Epsilon functions as a pre-medical society. Its purpose is to encourage excellence in pre-medical scholarship, and to promote cooperation and contacts between health professionals and pre-medical students. Membership is open to students engaged in courses leading to studies in medicine and related fields.

Association for Computing Machinery offers students in the field of Computer Science and related fields an increased awareness of the needs and happenings in such professional fields.

Association for Women's Active Return to Education (A.W.A.R.E.) encourages and assists the return of adult women to higher education.

Council for Exceptional Children is an organization to help promote the welfare and education of exceptional children and youth.

History Club gives students an opportunity to learn more about history in a more comfortable setting. This club promotes an understanding of the methods of the professional historian.

Human Resources Development Club encourages the participation and affiliation within the broad field of personal training and development while establishing and maintaining a communications network with the business community.

International Students Organization provides international students an opportunity to become friends with others who are making cultural, social, and academic adjustments necessary to successful completion of their studies in the United States. Students are encouraged to share accurate information about their own countries and cultures through monthly meetings, social activities, and campus interaction. Eligible members are those attending on student visas, or other students who have lived or studied abroad for an extended period of time.

Marketing Club is for majors and minors in Marketing which explores the area of marketing for the professional.

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

National Accountants Association is a club for majors and minors in Accounting which explores the accounting profession.

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

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

Psychology Club offers students an increased awareness of the needs and happening in such professional fields outside of the classroom structure.

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

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

Rotaract is a club that develops leadership and responsibility of citizenship through service to the community, advances the cause of international understanding and peace, and promotes recognition and acceptance of high ethical standards as a leadership and vocational responsibility.

Sigma Kappa Iota Ski Club provides Christian fellowship through skiing.

SOWers (Seeking Opportunity Worldwide) provides an opportunity for students to explore international missions. It coordinates information about exchange programs and mission trips.

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

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

University Republicans works to keep students politically informed and provides speakers on civil issues.

Yachting Club provides an educational atmosphere which will allow members to learn such things as: sailing (and other water sports), geography, astronomy, oceanography, and cultures of other parts of the world.

SERVICE AND HONOR ORGANIZATIONS

Alpha Chi is an honorary scholarship and service fraternity for men and women, designed to promote excellence in academic, campus, and civic affairs. Juniors in the top 5% and Seniors in the top 10% of their classes who have earned at

least 24 hours in residence at Grand Canyon may qualify for membership on the basis of their academic records, character, and participation in University affairs.

Alpha Psi Omega is a national honorary dramatic fraternity whose purpose is to recognize and reward all phases of student participation in university play production.

Iota Phi is a scholastic and service honorary society for freshman women.

RELIGIOUS ORGANIZATIONS

Baptist Student Union provides for edifying Christian fellowship, growth, and service for all students of Grand Canyon University. BSU plans, coordinates, and conducts spiritual activities and service projects on campus and in the community.

Christian Ministries Association meets once each month for the purpose of discussing problems pertaining to the work of the gospel ministry. It helps the University to become a congenial home for students who are preparing for various Christian ministries.

Fellowship of Christian Athletes confronts athletes with the challenge and adventures of following Christ and serving Him while in college.

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.

Students are expected to wear clothing that adequately covers the person and to wear shoes in all public facilities, including public rooms in university dormitories. A faculty member may determine whether a given mode of dress disrupts the academic process in that professor's classroom. The Office of Student Development may determine the appropriate dress for Chapel and other academic and extracurricular pursuits. More formal dress, if announced, may be required for special events or occasions. For more detailed guidelines on dress, see the Student Handbook.

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

STUDENT PUBLICATIONS

CALENDAR/HANDBOOK

The student handbook is published by the Office of Student Development. It makes available detailed information concerning rules and procedures for approved student activities. It is printed with the University calendar.

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

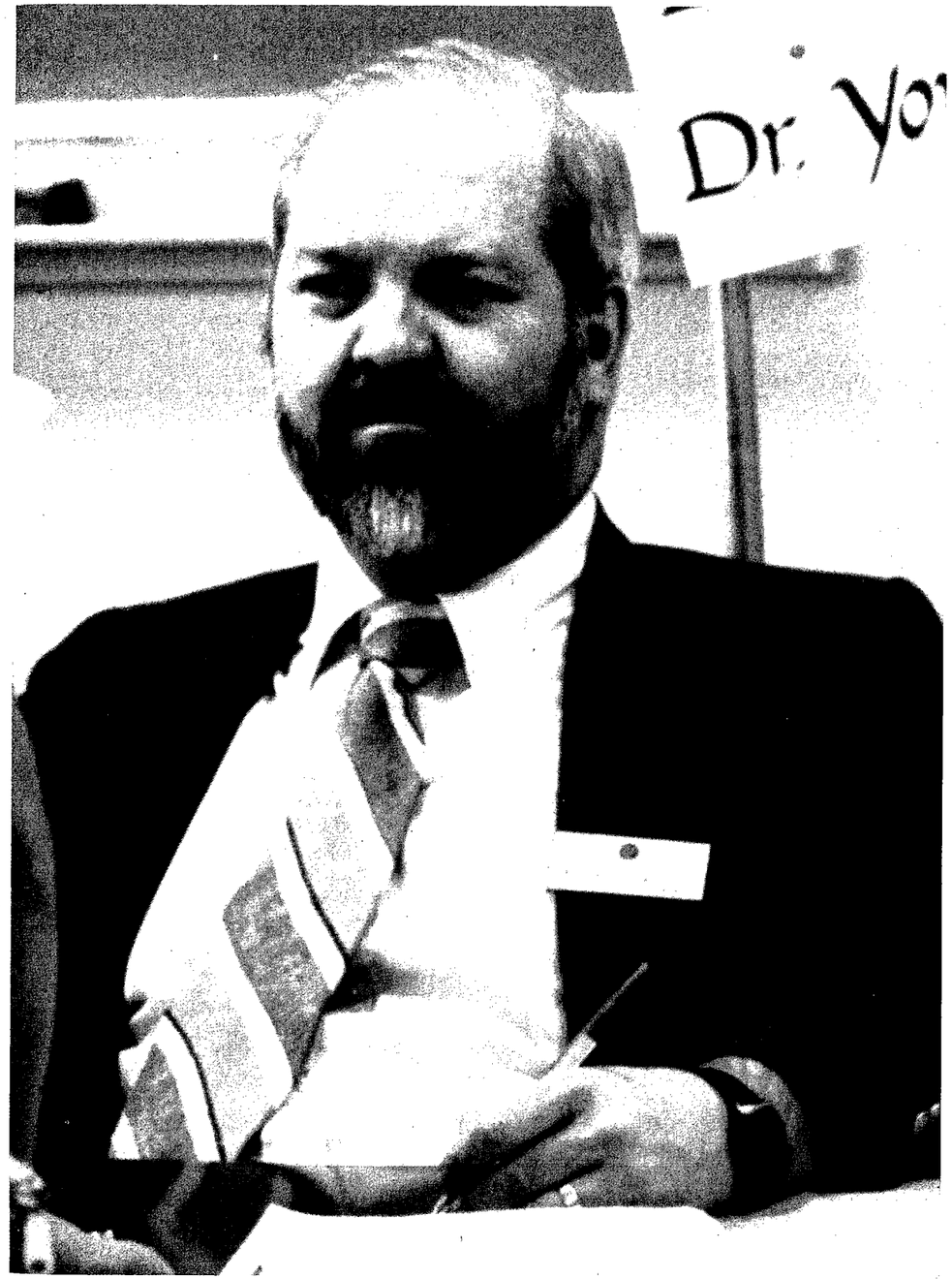
All-School Welcome Party
Parents' Weekend
Harvest Festival
Friends of the Library Book Reviews
Hanging of the Green
Thanksgiving Retreat for International Students
Spring Banquet
Music Recitals
Choir Concerts
Varsity Dinner
Spring Fling
Senior Class Day
Wind Ensemble Concerts
State Band Concerts
President's 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 fee is charged once a tutor has been assigned — this assures two one-hour tutoring sessions per week and shows good faith on the part of the student. The fee goes into a fund which provides small stipends for the tutors. Arrangements for a tutor may be made through any teacher, advisor, or one of the Tutor Program Directors.

Admission Policies & Procedures



General Statement
Campus Visits
Orientation
Undergraduate Admissions
- General Information
- Early Admissions Program
- Application Procedures: New Freshmen and Transfer Students
- Admissions Standards: New Freshmen and Transfer Students
- Honors Program
- Special Programs for Advanced Placement and Credit
- Evaluation of Transfer Credit
- Direct Transfer Plan
- Admission of Second Degree Students
- Admission of Fifth Year Students
- Admission of Unclassified Students
- Readmission

Admission of International Students
Admission of Graduate Students

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 W. Camelback Road
Phoenix, AZ 85017-1097
(602) 589-2855 or 249-3300
office hours: 8:00 a.m. to 5:00 p.m. (MST)
Monday through Friday

CAMPUS VISITS

Students interested in attending Grand Canyon University are strongly encouraged to visit our campus. Campus visits are arranged through the Admissions Office, 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 dormitories. If possible, please contact the Admissions Office 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. Entering full-time students are required to participate in Orientation; detailed information regarding dates, times, and program is usually sent out by the Student Development Office at least one month 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 Admissions Office. 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.

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.

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 Early Admission application form from the Admissions Office. The form must be completed and signed by the principal or counselor and returned to the Admissions Office 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 $15.00 non-refundable application processing fee
3. Official 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 Student Health Record

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 $15.00 processing fee should accompany your application.

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 Admissions Office. 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 college credit you have completed.**

ACT/SAT Scores: Your official score report for either the ACT or SAT (or both, if you wish) must be sent directly from the testing organization to our Admissions Office. These examinations are offered on a regular basis

throughout the country and in several locations overseas, and should be taken as early as possible during or after the junior year in high school. Information, test dates, and additional score report request forms are available from your high school counselor or the Admissions Office. 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 Admissions Office.**

Student Health Record: If you are accepted for admission to Grand Canyon University, you must complete the health history portion of the Student Health Record, including your immunization history, and return it to the Admissions Office at least two weeks prior to registering for classes. In addition, if you plan to live on campus or if you have been under a doctor's care for any chronic or potentially serious condition, you must have your physician complete the physical examination portion of the Health Record before returning it.

Students are not permitted to register until their Health Records have been received by the Admissions Office and placed on file in the Grand Canyon University Health Center.

Student Health Records are available from the Admissions Office, the Student Development Office, and the University Health Center.

ADMISSIONS STANDARDS: NEW FRESHMEN AND TRANSFER STUDENTS

To be considered for unconditional 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 approximately 19-20) 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 unconditional 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" above, 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 or fewer 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 Humanities 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 Programs (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 in the tables below.

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 Admissions Office 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	6 (HIS 103/104)
	4	3 (HIS elective)
	1-3	None
Biology	4-5	8 (BIO 181/182)
	3 + dept. conference	4 (BIO 181/182)
	1-2	None
Chemistry	4-5	8 (CHE 114/115)
	3 + dept. conference	4 (CHE 114/115)
	1-2	None
Computer Science AB	4-5	6 (CS 203/213)
	3	3 (CS 203)
	1-2	None
Computer Science A	4-5	3 (CS 203)
	1-3	None
English Lang, Lit/Comp	4-5	6 (EEW 101/102)
	3 + pass Wrtg Exam	0 (EEW 101/102 waived)
	1-2	None
Western Civilization	5	6 (HIS 101/102)
	4	3 (HIS elective)
	1-3	None
Mathematics AB (Calculus)	4-5	8 (MAT 270/271)
	3 + dept. conference	4 (possible lower div. MAT credit)
	1-2	None
Mathematics BC	4-5	12 (MAT 270/271/272)
	3 + dept. conference	4-8(possible lower div. MAT credit)
	1-2	None
American Government	5	3 (GOV 252)
	1-4	None
Physics	4-5	8 (PHY 111/112)
	3	4 (PHY 111 or 112)
	1-2	None
Spanish Language	4-5 + dept. conference	11-14 (SPA 114/124/213)
	3 + dept. conference	Possible lower div. SPA credit
	1-2	None

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

General Examination	Score	Credit Hrs.	Equivalency
English Composition (1978 scale)	610	6	EEW 101/102
English Composition (1986 scale)	500	6	EEW 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

Subject Examination	Score	Credit Hrs.	Equivalency
American Government	50+	2	GOV 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 German	40-47	8	GER 114/124
	48+	14	GER 213/223
College Spanish	42-51	8	SPA 114/124
	52-80	14	SPA 114/124/213/223
Educational Psychology	—	0	None
English Literature	—	0	None
French	41-52	2	FR elective or FR 114w/o lab
	53-80	4	FR 114
General Biology	50+	8	BIO 181/182
General Chemistry	50+	8	CHE 114/115
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 250
Intro to Accounting	50+	6	ACC 211/212
Intro to Business Law I	50+	3	BUS elective
Intro to Macroeconomics	50-59	3	Lower division ECO credit
	60+	3	ECO 201
Intro to Management	—	0	None
Intro to Marketing	50+	3	MKT elective
Intro to Microeconomics	50-56	3	Lower division ECO credit
	57+	3	ECO 202
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 Admissions Office 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 a 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 university Records Office.

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

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 $15.00 non-refundable application fee, unless the student has previously applied to the University and paid the fee.

3. An official transcript from the college or university where the student's first degree was earned, with the degree statement and graduation date recorded.

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

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 page 43). 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 $15.00 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 page 39).

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 Admissions Office. Official transcripts of all work attempted at other institutions since leaving the University must be on file in the Admissions Office 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 Student Health Record. Students who withdrew for medical reasons must obtain a doctor's clearance before re-entering.

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

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
Admissions Office
Grand Canyon University
3300 W. Camelback Road
Phoenix, Arizona, U.S.A. 85017-1097

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

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

Fall semester (August) entry - July 15
Spring semester (January) entry - December 15.

It is to 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 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 Admissions Office. Hand-carried copies of your transcript are not acceptable. The same procedure must be followed if you have completed 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 Admissions Office 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 Admissions Office 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 locations 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 Admissions Office.

After all the above documents are received by the Admissions Office, 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 Admissions Office:

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 $11,000.00 (U.S.) per year, or $8,500.00 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 Admissions Office.

6. Health Record - You must submit a completed Student Health Record. You should fill in the health history portion, and your doctor must complete the physician's report after examining you.

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 semesters' 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 Admissions Office will issue your I-20.

International students attending the University on student visas are required to be enrolled in at least 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 admission. If you plan to live on campus, please contact:

Director of Housing
Grand Canyon University
3300 W. 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 Grand Canyon University, College of Education, 3300 W. Camelback Rd., Phoenix, Arizona 85017-1097.

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

1. Application for Admission — You must apply for admission both to Grand Canyon University and to the graduate program. The University application should be submitted to the Admissions Office along with the $15 non-refundable application fee. The Graduate Program application should be submitted to the College of Education.

2. Transcripts — Applicants must submit two sets of transcripts from each post-secondary institution attended, one set to the Admissions Office 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 with Graduate Committee — As soon as all the above steps have been completed, applicants will be scheduled for a personal interview with the College of Education faculty.

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

1. Applications for Admissions — see above.

2. Transcripts — see above. 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.

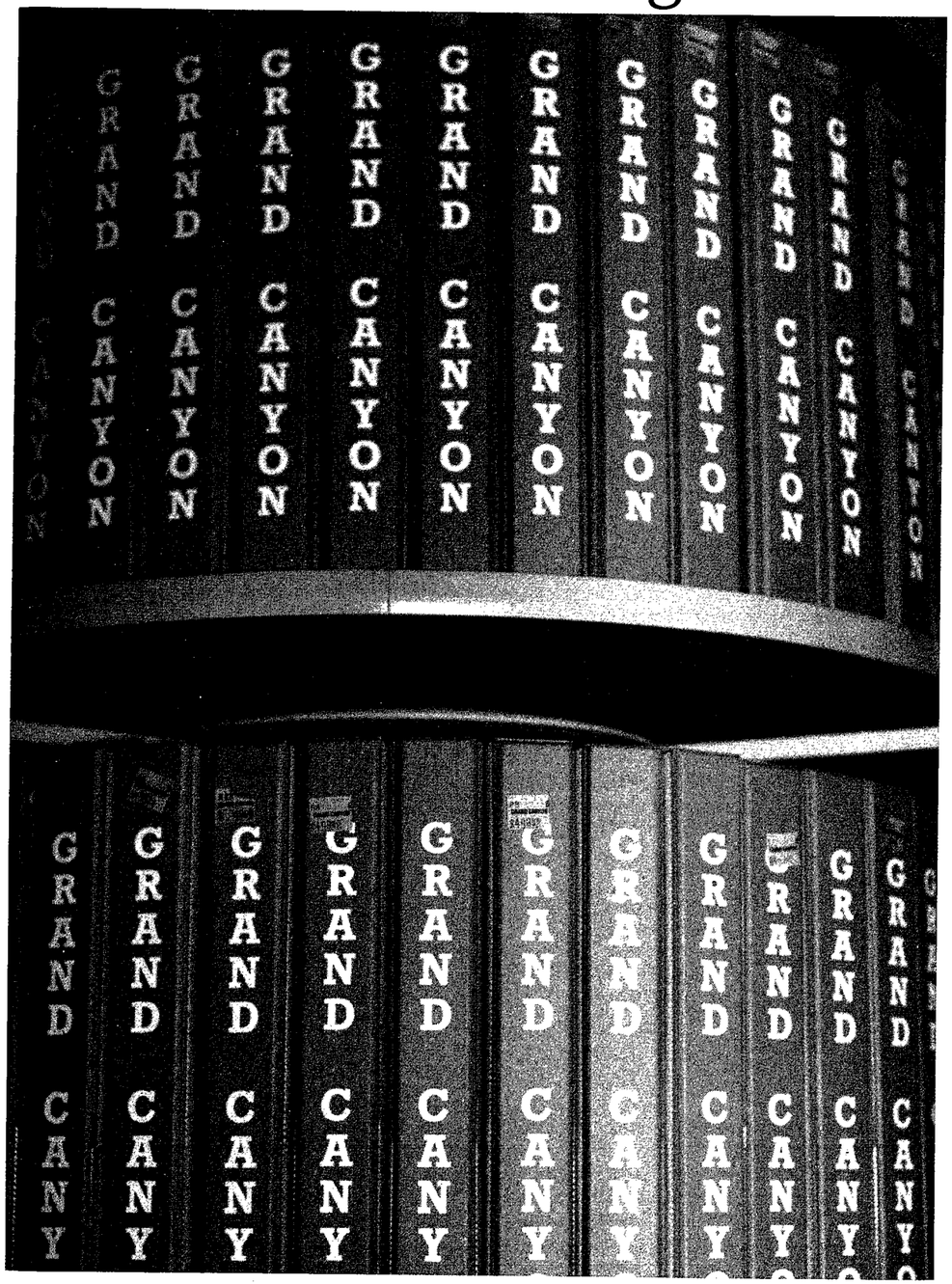
4. References — Two additional completed recommendation forms which are available from the College of Education must be sent directly from the individual making the recommendation to the College of Education.

5. Miller Analogy Test or Graduate Record Examination — Scores for one of these examinations must be submitted to the College of Education.

6. Interview with the Graduate Committee — see above.

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

General Academic Regulations



Academic Advisement
Academic Semester/Hour
Class Attendance
Classification of Courses
Classification of Students
Comprehensive Examinations
Concurrent Enrollment
Courses
- Auditing of Courses
- Change of Courses
- Course Load
- Dropping Courses
- Order of Taking Courses
- Repeating Courses
- Special Study Courses
- Withdrawing From Courses

Correspondence and Extension Credit
Eligibility for Activities
Grade Requirements
Grading System
Late Examinations
Standards of Academics
- Academic Honors
- Honor Student Audit Privileges
- Honors Study Program
- Academic Probation
- Academic Suspension
- Provisional Status

Student Records
Upper Division Requirement

ACADEMIC ADVISEMENT

Every student at Grand Canyon University is assigned to a faculty advisor, usually 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 Records Office (10¢ per page), is a record showing the student's progress towards completion of general studies, and major/minor requirements. Student's 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 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 sessions, composed of two terms of five weeks each, are operated on an accelerated schedule which is in accord with the semester hour principle. An interterm course for three hours credit is offered in January of each year.

CLASS ATTENDANCE

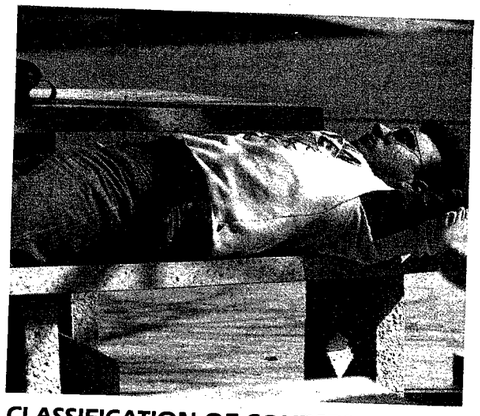
1. Students are expected to be regular and punctual in class attendance. The University believes that students themselves are primarily responsible for attendance. Instructors will provide students with written statements of their policies with respect to absences. If students violate the instructor's 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 Development directly when an absence from class of one week or more is unavoidable. The Office of Student Development 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 immediately after their return to class in the manner prescribed by their instructor.

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

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



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 freshman 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 page 58 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 by the College of Education.

Second Degree Students—those students who have completed a bachelor's degree from a regionally accredited institution and are completing the requirements for a second bachelor's degree (see page 60).

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. 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 Records Office.

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 may not be for a course which is equivalent to, or more elementary than, another course in which the student is 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 Records Office.
2. Pay the $5 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 of $12.50 for each hour of credit awarded.
7. Submit completed form to the Records Office 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 Records Office 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 Records Office, 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 the Master's degree program must be submitted to the Dean of the College of Education.

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 Records Office.

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, with written consent of the instructor, in any course through the last day in the semester when a course may be dropped without penalty, by going through the Records Office to complete the official procedure.

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

A student may not change from audit to credit after the last day for registration for credit as listed in the academic calendar of the current 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 Business Office.** (See the schedule of refunds beginning on page 18.)

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 4, 5, and 6.

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 sessions is considered full-time. January Term enrollment is considered full-time, but January Term hours are not counted toward either Fall or Spring full-time determination.

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 university physician or by special consent of 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, Reading and Learning Strategies, 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 Summer session 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 rules 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 at the end of the first grading period may be required to reduce their work schedule or their course load.

DROPPING COURSES

A student is not permitted to drop a course after the last day for dropping (see academic calendar, pages 4, 5, and 6) without receiving a grade of "F," except for very unusual reasons which are evaluated by the Vice President for Academic Affairs.

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 at the Records Office.

ORDER OF TAKING COURSES

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

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 number 499 (undergraduate) or Department 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 upper division students with a grade point average of 3.0, with approval of the dean/department chairperson, instructor, and the Vice President for Academic Affairs.

PRACTICUM

Numbered 399 in each department, for one, two, three, or four hours of credit, the practicum is a supervised practical experience in the student's major area of interest. A minimum of 45 hours (maximum 60) of practical experience will be scheduled for each semester hour of credit. The experience must be arranged with an agency, organization, or individual that must agree to provide an advisor to work with the faculty advisor in designing and evaluating the student's experience. This course is for upper division students with a 2.0 GPA and may be taken any semester with approval of faculty advisor, dean/department chairperson, and the Vice President for Academic Affairs. The Internship numbers in the Master of Arts and Master of Education programs are EDU 580/680.

READING AND CONFERENCE

Any course listed in the catalog may be taken by reading and conference with the instructor, with approval of the dean/department chairperson and the Vice President for Academic Affairs. The student must have a legitimate reason for seeking course credit through reading and conference. Students may not be permitted to receive credit for more than two courses by this method. A 2.0 GPA is required.



PROCEDURES

Students should:

1. Obtain proper special study form from the Records Office (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.
4. File completed form with the Records Office 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 Records Office. 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 Records Office and obtain all signatures indicated on the form. A student who officially withdraws from all courses at any time during a semester receives a grade of "W." An unofficial withdrawal results automatically in a grade of "F."

CORRESPONDENCE AND EXTENSION CREDIT

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

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

Credit for any correspondence work and for any extension work transferred from another institution must be recorded with the Records Office 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. A student who is on the most recent unsatisfactory grade list or on probation, however, must secure from the sponsor of a given activity permission to participate.

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

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 page 42.

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 on page 53)
W Authorized withdrawal; no credit
Cr Credit given, but no grade or quality points
S Satisfactory completion of audit or non-credit course
U Additional work needed to meet requirements in non-credit or non-grade course
NR Not reported by instructor
IP Course currently in progress

ADMINISTRATIVE WITHDRAWAL

University professors are to provide students with a written attendance policy. If a student fails to comply with a stated attendance policy, the professor may administratively withdraw the student from the course. (See page 48 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) computations. 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 and fulfill requirements but do not count in GPA computation. These courses are given a grade of "Cr" (credit). This grade is not offered as an option to students; rather, the courses earn only grades of "Cr" or "U." A grade of "U" earns no credit.

INCOMPLETE GRADE

An incomplete grade will be given at the end of the term or semester 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 and January Term are to be completed by the date set by the instructor and no later than May 1. Incompletes earned in the Spring semester and Summer sessions 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 Records Office, 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 Business Office. Failure to follow these procedures will result in a grade of "F."**

LATE EXAMINATIONS

Under certain conditions students may be permitted to take a major examination which they missed. In all such cases students must account to the instructor for their absences and must present a receipt from the Business Office showing payment of the necessary fee (see page 17).

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 33.

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 without charge. The audit privilege covers the regular audit fee for any course, regardless of the number of semester hours. It does not cover class fees.

HONORS STUDY PROGRAM

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

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

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

ACADEMIC PROBATION

Undergraduate students who are admitted from the third quartile of their high school graduating classes and whose ACT or SAT scores are below the 50th percentile are admitted on academic probation.

Undergraduate students admitted on probation retain that status until they have earned a total of 12 hours at Grand Canyon University and have earned a cumulative GPA of 2.0. If they do not have an average of 2.0 on these 12 hours, they are subject to dismissal. All students admitted on probation are required to take EDU 103/113 the first semester they enroll.

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 page 58).

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 SUSPENSION

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

1.50 for Freshmen and Sophomores
1.75 for Juniors
2.00 for Seniors

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

A student reinstated after an academic suspension is admitted provisionally. (See Provisional 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.

PROVISIONAL STATUS

Undergraduate transfer students admitted with less than a "C" average, or those re-instated after academic suspension, are admitted provisionally. Persons thus admitted retain provisional status until they have earned a total of at least 12 hours in Grand Canyon University and have earned a cumulative grade point average of 2.0. If they do not have an average of 2.0 on these 12 hours, they are subject to dismissal.

A student who has provisional status is subject to all the restrictions named for probationary status. (See Academic Probation.)

A student with provisional status may be given final dismissal at any time if this appears to be in the best interest of the student and/or the 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 Admissions Office. The policy is also printed in the class schedule.

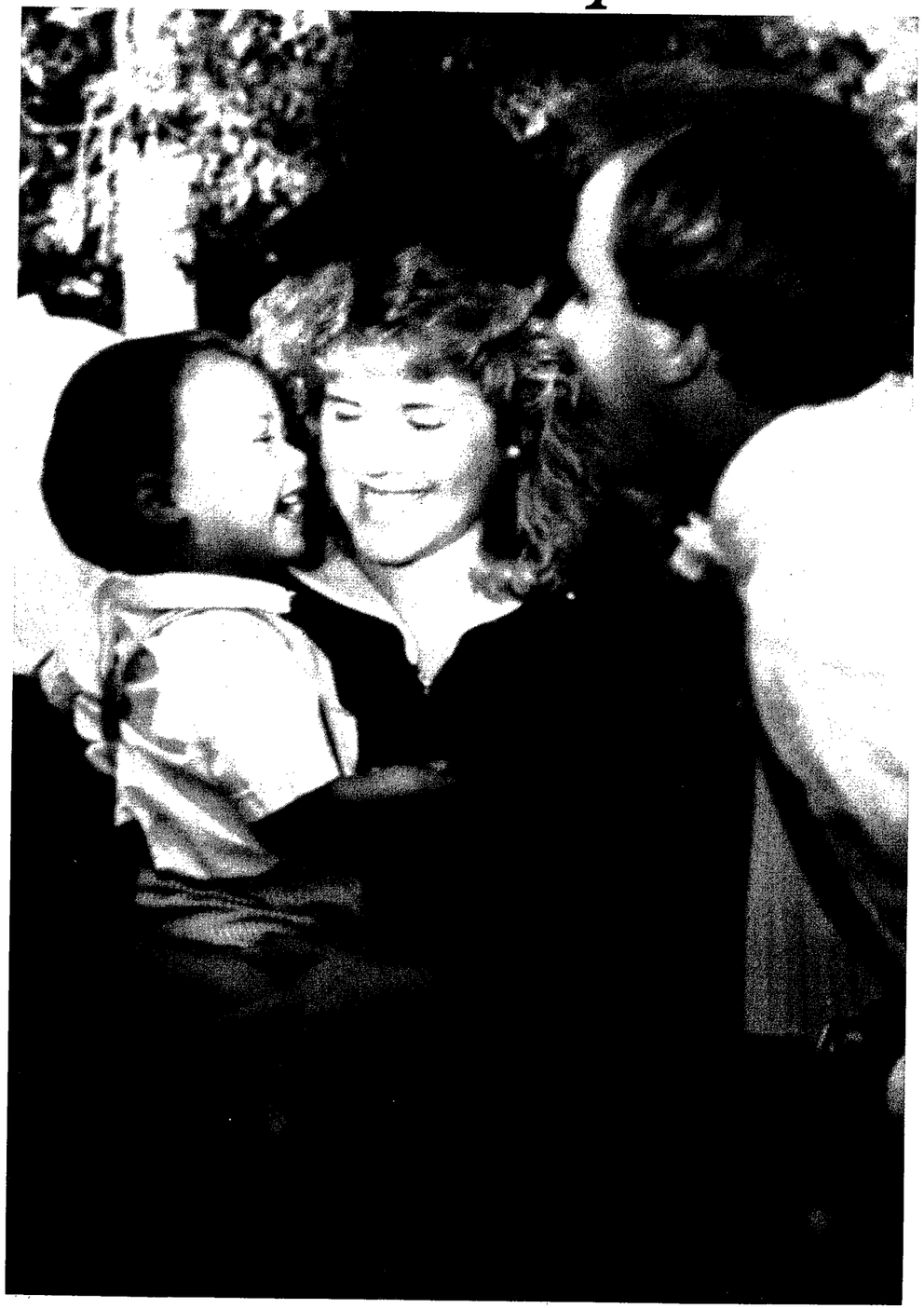
The Admissions Office maintains a Directory of Records which lists all educational records maintained on students by this institution.

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

UPPER DIVISION REQUIREMENT

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

Graduation Requirements



Degrees Offered
Choice of Catalog
Curricular Requirements for Graduation
Elective Courses
General Requirements for Graduation
- Application for Graduation
- Commencement Exercises
  - Academic Regalia
  - Attendance
  - Eligibility to Participate
- Correspondence and Extension Credit
- Graduation with Honors
- Minimum Residence
- Total Hours/Grade Point Average
  - Major Grade Point Average
- Writing Proficiency Examination

General Studies
- Bachelor Degree Candidates Suggested Program
- Bachelor of General Studies Requirements
  - Special Condition

Major and Minor Subjects
Second Degree

DEGREES OFFERED

The University offers curricula leading to the degrees of Master of Art 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 Master of Arts in Education is granted to practicing elementary and secondary teachers in a specialized field of study (Reading Education, Elementary Education, and Gifted 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 Art, Art Education, Studio Art, Christian Studies, Communications, English, Theatre-Speech, History, Social Science, and Music.

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. This degree is intended for the student who excels in performance. It is available for students majoring in Church Music, Piano Performance, and Vocal Performance.

The Bachelor of Science degree is granted to majors in Accounting, Biology, Biology (Environmental Science emphasis), Biology (for secondary education), Business Administration (Business Education emphasis), Business Administration (International Business emphasis), Business Administration (Management emphasis), Chemistry, Computer Science, Computer Science (Teaching emphasis for secondary education), Economics, Elementary Education, Finance, General Business Administration, Human Resource Development, Justice Studies, Marketing, Mathematics, Mathematics (for secondary education), Mathematics (for engineers), Music Education, Physical Education, Psychology, Science (Teaching emphasis for elementary education), Special Education, Sociology, and Theatre-Drama.

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

The Bachelor of General Studies is granted to those who complete a program designed primarily for adults who are interested in a 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

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

Arizona Community College transfer students will be permitted to follow the degree requirements specified in the Grand Canyon University Catalog in effect at the time they were initially admitted to an Arizona Community College providing their college attendance has been continuous (though a student may elect to graduate under any subsequent catalog issued while the student is in continuous enrollment).

CURRICULAR REQUIREMENTS FOR GRADUATION

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

ELECTIVE COURSES

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

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.

GENERAL REQUIREMENTS FOR GRADUATION

APPLICATION FOR GRADUATION

All candidates who expect to complete degree requirements during the Spring semester or Summer Session must file a Statement of Intent to Graduate with the Records Office no later than February 15 of that semester. Candidates who expect to complete requirements during the Fall semester should file the intent by September 15 of that semester. Statement of Intent to Graduate forms may be obtained from the Records Office. A $10.00 non-refundable graduation fee must be paid in the Business Office before returning the completed form to the Records Office. Once the completed Statement of Intent to Graduate has been filed in the Records Office, an official check of remaining degree requirements will be provided. A fee of $10.00 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 purchased 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

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

Procedures:

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

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

Requirements:

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

2. *Graduate: "B" average at beginning of Spring semester.* A student who does not have a "B" average at the beginning of Spring semester may not graduate before May of the following year. Graduate students **must** complete their entire program prior to being permitted attendance at commencement and any of the associated activities.

3. *Statement of Intent to Graduate* indicates that requirements will be met before the end of the Summer session. This must be filed with the Records Office by May 1. Failure to meet the May 1 deadline will make the student ineligible to participate in the graduation exercises until the following May. (This would not hinder one's applying for a job or going on to graduate studies.)

CORRESPONDENCE AND EXTENSION CREDIT

Record of all correspondence and extension work transferred from another institution must be filed with the Records Office prior to enrollment in the final semester before graduation. (See page 51 for additional information concerning correspondence and extension credit.)

GRADUATION WITH HONORS

The requirements for graduation with honors are stated on page 53.

MINIMUM RESIDENCE

Normally eight semesters of residence or the equivalent in an approved college are required for a baccalaureate degree. At least 30 semester hours, including the 12 semester hours immediately preceding graduation, must be taken at Grand Canyon.

Undergraduate students are required to take in residence at Grand Canyon University at least 21 semester hours in their major subject, 15 of which must be Upper Division, and at least nine semester hours in their minor subject, three of which must be Upper Division. 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, in residence at Grand Canyon University.

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, in residency at Grand Canyon University. Refer to the College of Education for specific requirements.

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

The 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 work 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 page 48, Classification of Students.)

MAJOR GRADE POINT AVERAGE

Undergraduate students must also have a "C" average (2.0) in their majors and are not permitted to count toward their majors any course with a grade below "C." Higher GPA's are required by specific departments.

Graduate students in the Master of Arts in Education and Master of Education programs must maintain a 3.0 grade point average.

WRITING PROFICIENCY EXAMINATION

The University feels 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 them with their recommendations to the department dean/chairperson. The various department faculties make the final decision as to the student's competency in writing. For students who take freshman English at Grand Canyon, the examination is given as part of English EEW 102. Students in EEW 102 who do not pass the examination are required to register for EEW 100, Basic English.

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 EEW 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, twice each semester, and once during the summer. Notices of the examination dates appear in the chapel bulletins and activities calendar. Directions, suggestions and a sample essay are available from the office of the Humanities Department chairperson or the Writing Proficiency Exam Coordinator.

The $5.00 fee for the Writing Proficiency Examination must be paid at the University Business Office and the receipt presented at the time of the examination.

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 apprehend the Christian way of life and to begin to acquire the knowledge, skills, and attitudes essential



to a citizen who assumes moral and social responsibilities.

Students in teacher education programs will follow the list appearing on page 123 under the College of Education section of this catalog. Consult departments for specific general studies requirements.

For other 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.

CHRISTIAN STUDIES		6 hours
BIB 113	Old Testament History	
BIB 123	New Testament History	
ENGLISH		6 hours
EEW 101	Grammar & Composition	
EEW 102	Composition & Literature	
HUMANITIES		6 hours

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

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

SOCIAL STUDIES		9 hours

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

History, Geography, Government/Political Science, Macroeconomics, Psychology, Sociology

SCIENCES		10 hours

At least one course from each group

Group I: Math, Computer Science, any Statistics

Group II: Lab Sciences

PHYSICAL EDUCATION		2 hours

Must be two different activity courses

39 hours

JANUARY TERM

The January Term is a three-week period, between the Fall and Spring semesters, in which students take only one course. The University seeks to emphasize courses which take an interdisciplinary approach with emphasis on active participation and individual research in both on- and off- campus experiences. One January Interterm course is normally required for each 42 hours completed in residence, with the following exceptions:

1. Those who meet their graduation requirements as essentially part-time students.
2. Those who meet their graduation requirements as essentially night students.
3. Those who have taken one January Interterm course, in sequence, each year they are in continuing residence.

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 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	Jan.	Spring
BIB 113, 123 OT, NT History	3		3
EEW 101, 102 Freshman English	3		3
*Humanities	3		
History			3
Math, Comp. Sci., Statistics			3
P.E. Activity	1		
Electives	3		3
January Term		3	
	13	**3**	**15**

Sophomore Year

	Fall	Jan.	Spring
Social Science	3		3
*Humanities			3
Lab Science	4		
P.E. Activity	1		
Math/Science			3
Major, Minor Electives	8		6
January Term		3	
	16	**3**	**15**

Junior Year

	Fall	Jan.	Spring
Major, Minor Electives	15		15
January Term		3	
	15	**3**	**15**

Senior Year

	Fall	Jan.	Spring
Major, Minor Electives	15		15

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

REQUIREMENTS FOR THE BACHELOR OF GENERAL STUDIES DEGREE (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 59	39 hours
Electives	89 hours
	128 hours

A minimum of 45 hours must be in Upper Division courses.

A maximum of 21 hours of Upper Division work in any one academic department will be acceptable toward the degree. (BUS, ACC, ECO & 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 plus 6 hours of Bible.

SPECIAL CONDITIONS

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

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 "C" average in their major and are not permitted to count in the major any course with a grade below "C." A candidate for a secondary teaching certificate must have a "C+" (2.5) average, or above, in the teaching major.

Unless a student chooses a major that does not require a minor, the student must also choose a minor in a subject area other than the major. The minor must consist of not fewer than 18 semester hours. Of these, six hours should be from Upper Division courses. It is suggested that a student try to earn at least 24 hours in the minor to teach in that field. No minor is certifiable. Some majors do not require minors due to the extensive breadth of requirements for the degree. Such majors are so indicated in their descriptions later in the catalog.

A student may elect to complete a second major in lieu of a minor.

No course may count toward hours required for the completion of both major and minor.

Transfer students should consult the paragraph concerning minimum residence (see page 57).

SECOND DEGREE

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

1. General Education requirements for the degree sought.
2. A major in a field not used as a major for the earlier degree (See specific major for number of hours required).
3. A minimum of 30 hours in residence (36 for those who have not met the 6-hour requirement in Bible) completed after the granting of previous degrees.
4. Students earning a second degree in conjunction with a first degree must have a minimum of 158 hours and complete both degree requirements within the same time frame. The second degree must also be different than the first (i.e. B.A. & B.S. or B.S. & B.S.N.).
5. Second Degree students do not qualify for honors at graduation.

Departments of Instruction



College of Arts and Sciences
- Christian Studies
- Computer Science
- Health and Physical Education
- History and Social Sciences
- Humanities
- Mathematics
- Natural Sciences

College of Business
College of Education
College of Performing Arts
Samaritan College of Nursing
Reserve Officers Training Corps

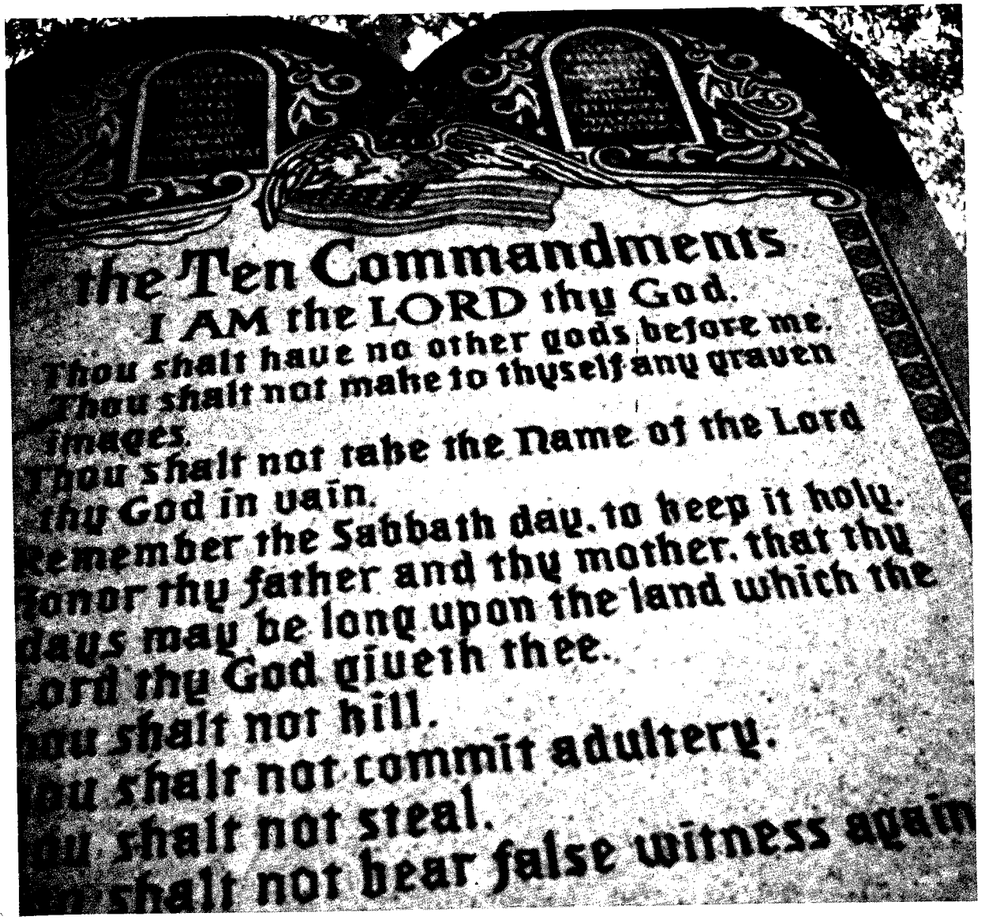
College of Arts & Sciences



Christian Studies
Computer Science
Health and
Physical Education
History and
Social Sciences
Humanities (Art,
English, Honors,
Modern Languages)
Mathematics
Natural Sciences

Christian Studies

Department Description
Center for Biblical Studies
Degree Requirements
Christian Studies
Biblical Studies
Historical/ Theological Studies
Practical Ministries
Greek
Philosophy
Course Descriptions



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 association with people in all fields of 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.

The ministerial student, especially one who does not plan to go to seminary, is 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 Bible and religion and to render a service to the community.

Under this program a person not enrolled in any other college may take up to seven hours of college work per semester, all of which must be in Bible, Greek, or 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 17 for specific financial information pertaining to those enrolled in the Center for Biblical Studies.

DEGREE REQUIREMENTS — CHRISTIAN STUDIES

REQUIREMENTS FOR A MAJOR IN CHRISTIAN STUDIES (B.A. DEGREE)

General Studies Requirements	39 hours
Core Hours	
BIB 113, 123 Old and New Testament *(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 213 Introduction to Philosophy **or** PHI 225 Introduction to Ethics	3 hours

ADDITIONAL EMPHASIS REQUIREMENTS (SELECT ONE)

1. Biblical Studies 12 hours

Choose 12 hours from the following:

BIB 333 Old Testament Prophets
BIB 343 The Pentateuch
BIB 353 Old Testament Poetry
BIB 423 General Epistles and Revelation
BIB 433 Life and Teachings of Christ
BIB 443 Life and Letters of Paul
BIB 463 Biblical Backgrounds
BIB 499 Independent Study
GRK 373, 383 Advanced Greek Grammar I, II

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

TOTAL — 69 hours

2. Historical/Theological Studies 12 hours

Choose 12 hours from the following:

HTH 303 Baptist and American Church History
HTH 323 Christian Missions
HTH 333 Psychology of Religion
HTH 463 World Religions
HTH 499 Independent Study
GRK 373, 383 Advanced Greek Grammar I, II

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

TOTAL — 69 hours

3. Practical Ministries 12 hours

Choose 12 hours from the following:

EDU 303 Foundations of Education
MIN 201 Development in Ministries
MIN 211 Training in Christian Discipleship I
MIN 212 Training in 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 Media
MIN 373 Pastoral Ministries
MIN 383 Homiletics
MIN 393 Hymnology
MIN 405 Ministerial Internship
MIN 410 Clinical Pastoral Training
MIN 499 Independent Study

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

TOTAL — 69 hours

(Within this track, a student may pursue an emphasis on pastoral ministry, Christian Education, etc.)

REQUIREMENTS FOR A MINOR IN CHRISTIAN STUDIES

BIB 113 Old Testament History	3 hours
BIB 123 New Testament History	3 hours
HTH 373 Christian Doctrines	3 hours
Electives from Christian Studies	9 hours
TOTAL	18 hours

REQUIREMENTS FOR A MINOR IN GREEK

GRK 274, 284 Beginner's Greek I, II	8 hours
GRK 373, 383 Advanced Greek Grammar I, II	6 hours
GRK 499 Independent Study	4 hours
TOTAL	18 hours

REQUIREMENTS FOR A MINOR IN PHILOSOPHY

PHI 213 Introduction to Philosophy	3 hours
PHI 312 Foundations of Western Thought **or** PHI 313 Shapers of the Modern Mind	3 hours
Elective in Ethics	3 hours
Electives in Philosophy	9 hours
TOTAL	18 hours

BIBLE

BIB 113 OLD TESTAMENT HISTORY
Every semester and every Summer/3 hours
An introductory and historical survey of the Old Testament. Attention is given to the study of the Bible itself, its institutions, literature, and history of the national life of the Hebrew people from earliest times to the close of the Old Testament period.

BIB 123 NEW TESTAMENT HISTORY
Every semester and every Summer/3 hours
A general historical survey of the New Testament, beginning with the interbiblical period, with the main emphasis given to the Gospels and Acts.

BIB 313 BIBLE INTERPRETATION
Every Spring/3 hours
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.

BIB 333 OLD TESTAMENT PROPHETS
Spring, 1990, and alternate years/3 hours
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 and 123.*

BIB 343 THE PENTATEUCH (GENESIS - DEUTERONOMY)
Fall, 1990, and alternate years/3 hours
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 and 123.*

BIB 353 OLD TESTAMENT POETRY
Fall, 1989, and alternate years/3 hours
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 and 123.*

BIB 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

BIB 423 GENERAL EPISTLES AND REVELATION
Spring, 1992, and alternate years/3 hours
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 and 123.*

BIB 433 LIFE AND TEACHINGS OF CHRIST
Fall, 1990, and alternate years/3 hours
A study of the life of Jesus, with special attention given to his person, teachings, and work. *Prerequisites: BIB 113 and 123.*

BIB 443 LIFE AND LETTERS OF PAUL
Spring, 1991, and alternate years/3 hours
A study of the life and times of the apostle Paul, with an interpretation of his epistles' and their historical setting. *Prerequisites: BIB 113 and 123.*

BIB 463 BIBLICAL BACKGROUNDS
Fall, 1989, and alternate years/3 hours
A geographical and archaeological survey of Palestine and the countries near it, and an examination of the important political, social, and religious customs and conditions which have a bearing on biblical history. *Prerequisites: BIB 113 and 123.*

BIB 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

CHRISTIAN STUDIES

MIN 201 DEVELOPMENT IN MINISTRIES
Fall, on demand/3 hours
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 practicum.

MIN 211 TRAINING IN CHRISTIAN DISCIPLESHIP I *Fall, on demand/3 hours*
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 TRAINING IN CHRISTIAN DISCIPLESHIP II *Spring, on demand/3 hours*
Continuation of **MIN 211** with emphasis on development from being outer-directed disciples to becoming inner-directed leaders. *Prerequisite: MIN 211.*

MIN 213 A SURVEY OF CHRISTIAN EDUCATION
Fall, 1990, and alternate years/3 hours
An introductory 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 CHURCH ADMINISTRATION
Spring, 1991, and alternate years/3 hours
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 CHRISTIAN DRAMA
See **TRE 270** on page 146.

MIN 302 CHURCH RECREATION
See **REC 303** on page 75.

MIN 323 EVANGELISM
Spring, 1991, and alternate years/3 hours
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 and 123.*

MIN 363 INSTRUCTIONAL MEDIA
See **EDU 363** on page 128.



MIN 373 PASTORAL MINISTRY
Fall, 1989, and alternate years/3 hours
A study of the philosophy and practice of pastoral work, including a study of the pastor's call, his leadership role in the church, his personal character, health and preparation, pastoral care, preaching, counseling, leadership in worship, and administration of church affairs.

MIN 383 HOMILETICS
Every Spring/3 hours
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 and 123.*

MIN 393 HYMNOLOGY
See **MCH 372** on page 141.

MIN 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

MIN 405 MINISTERIAL INTERNSHIP
Every semester/3 hours
This field education course involves the student in one semester of service with a qualified supervisor minister in the ministry setting. An advanced internship can be arranged for the student already engaged in professional ministry and 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.*

MIN 410 CLINICAL PASTORAL TRAINING
On demand/3 hours
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 standing, interview.*

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

HISTORICAL/THEOLOGICAL STUDIES

HTH 303 BAPTIST AND AMERICAN CHURCH HISTORY
See **HIS 303** on page 79.

HTH 315 FAITH AND REASON
On demand/3 hours
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 problems of evil, miracles, religious language, and life after death. *Prerequisite: PHI 213.*

HTH 323 CHRISTIAN MISSIONS
On demand/3 hours
A survey of Christian missions throughout the world, with special emphasis upon the missionary activities and techniques of Southern Baptists, usually taught by the visiting missionary-in-residence.

HTH 333 PSYCHOLOGY OF RELIGION
Spring, 1990, and alternate years/3 hours
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 HISTORY OF CHRISTIANITY
See **HIS 353** on page 80.

HTH 373 CHRISTIAN DOCTRINES
Every Fall/3 hours
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 and 123.*

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

HTH 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

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
Fall, 1989, and alternate years/4 hours
Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to study the Greek New Testament. *Prerequisite: Sophomore standing or instructor's approval.*

GRK 284 BEGINNER'S GREEK II
Spring, 1990, and alternate years/4 hours
Continuation of **GRK 274**. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of cases, prepositions, and tenses. *Prerequisite: GRK 274 or equivalent.*

GRK 373 ADVANCED GREEK GRAMMAR I
Fall, 1990, and alternate years/3 hours
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
Spring, 1991, and alternate years/3 hours
Continuation of **GRK 373**. This course includes an exegesis of one short New Testament book, designed to help prepare the student for the use of the most effective methods of exegesis of the Greek New Testament. *Prerequisite: GRK 373.*

GRK 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

GRK 499 INDEPENDENT STUDY
Every semester/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

PHILOSOPHY

PHI 213 INTRODUCTION TO PHILOSOPHY
Every Fall/3 hours
An introduction to the discipline of philosophy through a study of representative philosophic problems. Topics to be considered include: What can be known with certainty? What makes actions right? Are our choices free? Can God's existence be proved?

PHI 215 INTRODUCTION TO LOGIC
Every Spring/3 hours
A study of the principles of correct reasoning with emphasis on distinguishing between good and bad arguments of various types.

PHI 225 INTRODUCTION TO ETHICS
Every Spring/3 hours
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 ETHICS FOR THE PROFESSIONS
Every semester/3 hours
An introduction to ethics with emphasis on the application of moral concepts and principles to professional life. Includes an examination of various theoretical perspectives on moral judgment as well as a study of the significance of Christian faith for ethical thought. Makes extensive use of case studies. May be taken with either a business or health care emphasis. *Prerequisites: Junior standing and a passing grade on the Writing Proficiency Exam.*

PHI 312 FOUNDATIONS OF WESTERN THOUGHT
Fall, 1989, and alternate years/3 hours
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 213 or instructor's approval.*

PHI 313 SHAPERS OF THE MODERN MIND
Fall, 1990, and alternate years/3 hours
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 213 or instructor's approval.*

PHI 315 FAITH AND REASON
On demand/3 hours
Also **HTH 315**. 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 problems of evil, miracles, religious language, and life after death. *Prerequisite: PHI 213.*

PHI 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

PHI 463 WORLD RELIGIONS
See **HTH 463** on page 67.

PHI 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

Computer Science



Department Description
Degree Requirements
Computer Science
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 science - including wordprocessing, spreadsheets, and data bases - for students majoring in other fields.

All computer science majors must take the Graduate Record Examination during their senior year.

The facilities for computer science include a Computer Center, VAX 11/750 computer and terminals, about 40 IBM-PCs, and various other computers. Students have immediate access to most computers and printers because the University increases the number of computers as demand dictates.

DEGREE REQUIREMENTS — COMPUTER SCIENCE

REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE (B.S. DEGREE)

CS 133, 203, 213, 301, 303, 310, 413, 420, 430	27 hours
CS 480 Readings in Current Literature	3 hours
Computer Science Electives (6 hours Upper Division)	9 hours
MAT 270, 271 Calculus I and II	8 hours
MAT 315 Discrete Mathematics	3 hours
MAT 363 Probability and Statistics	3 hours
Elective in Public Speaking	3 hours
TOTAL	56 hours

REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE FOR SECONDARY TEACHERS (B.S. DEGREE)

CS	133 Introduction to Computer Science	3 hours
CS	155/EDU 355 Using Computers in the Classroom	3 hours
CS	203 Beginning Structured Programming	3 hours
CS	213 Intermediate Structured Programming	3 hours
CS	356 Programming for Teachers	3 hours
CS	333 Computer Curriculum Management	3 hours
Electives in Computer Science		12 hours
Certification in Secondary Education		36 hours
A Teaching Minor		24 hours
	TOTAL	90 hours

Refer to College of Education for certification requirements.

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE*

CS	203 Beginning Structured Programming	3 hours
CS	213 Intermediate Structured Programming	3 hours
Electives in Computer Science (6 hours Upper Division)		12 hours
	TOTAL	18 hours

* Students interested in teaching should take 24 hours for a minor.

COMPUTER SCIENCE

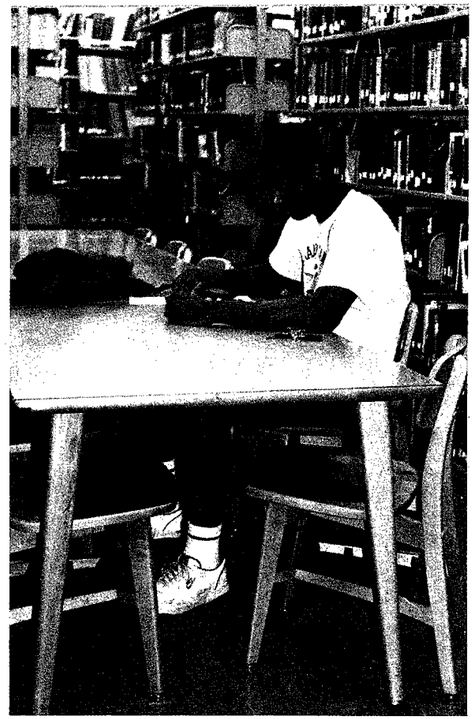
CS 133 INTRODUCTION TO COMPUTER SCIENCE *Every semester/3 hours*
A basic study of applications of electronic data processing, including word processors, spreadsheets, and data base management systems, with extensive hands-on experience; plus an overview of basic computer literacy topics.

CS 155 USING COMPUTERS IN THE CLASSROOM
Every January Term on demand/3 hours
For course description see **EDU 355** on page 128.

CS 203 BEGINNING STRUCTURED PROGRAMMING *Every semester/3 hours*
An introductory study of structured programming using the language Pascal. Topics include: computer organization, problem solving, algorithm design, and flowcharting.

CS 213 INTERMEDIATE STRUCTURED PROGRAMMING *Every semester/3 hours*
A continued study of structured programming, using the language Pascal. Topics include: debugging and testing, string processing, internal searching and sorting, data structures, and recursion. *Prerequisite: CS 203.*

CS 223 COBOL *Every Spring/3 hours*
Programming techniques and algorithm translation in the language COBOL. Emphasis on business applications.



CS 301 COMPUTER ORGANIZATION AND ARCHITECTURE *Every Spring/3 hours*
A study of computer architecture and organization using microprocessors to illustrate key principles. Topics include: digital logic, cpu organization and architecture, addressing and memory organization, interrupts, and peripheral interfacing. *Prerequisite: CS 303.*

CS 303 ASSEMBLY LANGUAGE PROGRAMMING *Every Fall/3 hours*
A study of the techniques needed to program a computer in its own assembly language. Topics include: addressing techniques, macros, file I/O, program segmentation and linkage, and assembler construction. *Prerequisite: CS 213.*

CS 310 SURVEY OF LANGUAGES
Every Fall/3 hours
A look at the structure of several high-level languages. Topics include: the definition of a language, language structure and design, data types and structures, interpretive languages, and lexical analysis and parsing. *Prerequisite: CS 303.*

CS 332 TOPICS IN COMPUTER SCIENCE
Every semester/3 hours
An in-depth study of one particular topic each semester. May be repeated for credit. *Prerequisite: Instructor's approval.*

CS 333 COMPUTER CURRICULUM MANAGEMENT
Spring, 1990, and alternate years/3 hours
This course provides a basic knowledge of the tools and procedures available for creating and maintaining a computer science curriculum. *Prerequisites: CS 203, CS 213.*

CS 356 PROGRAMMING FOR TEACHERS
Fall, 1990, and alternate years/3 hours
This course will provide background in the languages BASIC and LOGO, and practical experience in how to teach programming. *Prerequisites: CS 203, CS 213.*

CS 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

CS 399 PRACTICUM
Every semester/1-4 hours
See page 51.

CS 413 INTRODUCTION TO DATA STRUCTURES *Every Spring/3 hours*
A study of the implementation of different data structures, including trees, lists, stacks, and queues. Also included will be a brief look at large data base management. *Prerequisite: CS 303.*

CS 420 OPERATING SYSTEMS
Every Fall/3 hours
A study of several different operating systems, and operating system structure in general. Topics include: dynamic procedure activation, system structure, memory and process management, and the evaluation of operating systems. *Prerequisite: CS 303.*

CS 430 SOFTWARE ENGINEERING
Every Spring/3 hours
A study of the problems involved in producing large pieces of software. Topics include: Algorithm analysis and design, organization and management, resource estimation, and project control. *Prerequisite: CS 303.*

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

CS 498 RESEARCH IN COMPUTER SCIENCE
Every semester/1-3 hours
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 toward electives in computer science. *Prerequisite: Consultation with and instructor's approval.*

CS 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

Health & Physical Education

Department Description
Degree Requirements
- Health Education
- 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 the students and (2) to train men and women as health and physical education teachers and coaches.

Upon written recommendation of a medical doctor and approval of the Department of Physical Education and the 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: PE 213, HLT 203, HLT 213.

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

DEGREE REQUIREMENTS— HEALTH EDUCATION

REQUIREMENTS FOR A MINOR IN HEALTH EDUCATION

HLT 203 First Aid & Safety	3 hours
HLT 213 Personal Health	3 hours
HLT 333 School Health Problems	3 hours
HLT 343 Principles of Public Health	3 hours
HLT 353 Anatomy & Physiology	3 hours
HLT 363 Methods of Teaching	3 hours
TOTAL	18 hours

DEGREE REQUIREMENTS — PHYSICAL EDUCATION

REQUIREMENTS FOR A MAJOR IN PHYSICAL EDUCATION (B.S. DEGREE)

PE 101, 111, 121, 131, 211, 231, 241 (choice)	Any 4 hours
PE 243 History and Principles	3 hours
PE 282 Professional Activities	2 hours
PE 292 Professional Activities	2 hours
PE 303 Measurement in Physical Education	3 hours
PE 313 Kinesiology	3 hours
PE 323 **or** 413 Physical Education for Elementary Grades **or** Physical Education in Secondary School	3 hours
PE 373 Recreation Administration	3 hours
PE 393 Physiology of Exercise	3 hours
PE 423 Organization & Administration	3 hours
Physical Education Electives	4 hours
HLT 353 Anatomy and Physiology	3 hours
TOTAL	36 hours

Note: Students who wish to qualify for K-12 certification must earn 46 hours which includes both PE 413 and 323. Refer to College of Education for certification requirements.

REQUIREMENTS FOR A MINOR IN PHYSICAL EDUCATION

PE 101, 111, 121, 131, 211, 231, 241	Any 4 hours
PE 243 History and Principles	3 hours
PE 282 Professional Activities	2 hours
PE 292 Professional Activities	2 hours
PE 313 Kinesiology	3 hours
PE 323 **or** 413 Physical Education for Elementary Grades **or** Physical Education in Secondary School	3 hours
PE 423 Organization and Administration	3 hours
HLT 353 Anatomy and Physiology	3 hours
TOTAL	23 hours

DEGREE REQUIREMENTS — RECREATION

REQUIREMENTS FOR A MINOR IN RECREATION

HLT 203 First Aid and Safety	3 hours
PE 282 Professional Activities	2 hours
PE 292 Professional Activities	2 hours
REC 203 Introduction to Recreation	3 hours
REC 213 Recreation Activities	3 hours
REC 303 Church Recreation	3 hours
REC 313 Outdoor Recreation	3 hours
REC 373 Recreation Administration	3 hours
REC 403 Internship In Recreation	3 hours
TOTAL	25 hours

HEALTH EDUCATION

HLT 203 FIRST AID AND SAFETY
Every Fall/3 hours
Designed to develop the ability to administer emergency treatment in accordance with recommendations of American Red Cross. Also a study of safety and its contributions to the health of the nation.

HLT 213 PERSONAL HEALTH
Every Spring/3 hours
A study of personal health concepts with emphasis on the importance of good health in the attainment of life's goals and aspirations.

HLT 333 SCHOOL HEALTH PROBLEMS
Every Spring/3 hours
An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs.

HLT 343 PRINCIPLES OF PUBLIC HEALTH
Every Fall/3 hours
A study of the public agencies and their contribution to the health of the community. Also includes fundamentals, philosophy, history, and functions of public health services.

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

HLT 363 METHODS OF TEACHING HEALTH
Every Spring/3 hours
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.

HLT 383 DRUG ABUSE SEMINAR
See **SOC 383** on page 81.

HLT 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

HLT 399 PRACTICUM
On demand/1-4 hours See page 51.

HLT 499 **INDEPENDENT STUDY**
On demand/1-4 hours See page 51.

TUT 300/400 **VOLUNTEER TUTORING**
Every semester/No credit
For course description see **TUT 300/400** on page 112.

PHYSICAL EDUCATION

Courses taken to fulfill the Physical Education activity requirement for graduation should be taken during the freshman and sophomore years. There is no prerequisite and no particular order in which they need to be taken. Each class meets twice a week. Two different sports must be included.

PE 101 **SWIMMING**
Every semester/1 hour
Instruction and practice in the skills of swimming.

PE 102 **LIFESAVING/WSI**
Every semester/2 hours
Instruction and practice in Red Cross Advanced Lifesaving/Lifeguarding and swimming instructor skills. Students will receive certification in Advanced Lifesaving and Water Safety Instructor from the Red Cross upon successful completion of the course.

PE 111 **TENNIS**
Every semester/1 hour
Instruction and practice in the fundamentals of tennis.

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

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

PE 141 **SELF DEFENSE**
Every semester/1 hour
A course designed to teach basic techniques in self defense including grabs, throws, chokes, and sweeps.

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

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

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

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

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

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

PE 251 **KARATE'**
Every semester/1 hour
A course designed to teach basic karate'. Students will be instructed in the fundamentals of upperbody movements, kicks, katas, and sparring techniques as required for belt promotions.

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

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

PE 303 **MEASUREMENT IN PHYSICAL EDUCATION** *Every Spring/3 hours*
Tests and measurements in physical education; date analysis techniques for test evaluation, test construction, and grading. Also deals with test of fitness and sports skills.

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



PE 314 **CARE & PREVENTION OF ATHLETIC INJURIES** *Every Spring/3 hours*
A course designed to provide the students with a basic knowledge and understanding of the principles of sports medicine, the care and treatment of athletic trauma and the use of proper conditioning principles in prevention of injury.
Recommended prerequisite: PE 313.

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

PE 333 **ATHLETIC COACHING, BASKETBALL**
Every Fall/3 hours
A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.

PE 343 **SPORTS OFFICIATING**
Every Fall/3 hours
A study of the rules and mechanics of officiating football, basketball, and baseball.

PE 363 **PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD**
Every Fall/3 hours
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.

PE 373 **RECREATION ADMINISTRATION**
Every Spring/3 hours
Also **REC 373**. A study of the philosophy, scope, and basic values of recreation, its organization, and administration.

PE 383 **ATHLETIC COACHING, BASEBALL**
Every Fall/3 hours
A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.

PE 393 **PHYSIOLOGY OF EXERCISE**
Every Fall/3 hours
A study of the effects of exercise on the body. It includes the study of the body's responses and adaptations to exercise at the systemic as well as the subcellular level. *Prerequisite: PE 313.*

PE 396 **DEPARTMENTAL TUTORING**
Every semester/2 hours
For course description see **ACC 396** on page 112.

PE 399 **PRACTICUM**
On demand/1-4 hours See page 51.

PE 413 **PHYSICAL EDUCATION IN SECONDARY SCHOOL** *Every Fall/3 hours*
Designed for persons who plan to teach physical education at the high school level. Topics include classification of students, organization of classes, choice and selection of appropriate activities and materials, progression, and testing.
Prerequisite: PE 243.

PE 423 **ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION**
Every Spring/3 hours
Designed for majors in physical education. Deals with possible administrative problems in departments of physical education in all types of educational institutions. *Prerequisites: PE 243 and 413.*

PE 499 **INDEPENDENT STUDY**
On demand/1-4 hours See page 51.

TUT 300/400 **VOLUNTEER TUTORING**
Every semester/No credit
For course description see **TUT 300/400** on page 112.

RECREATION

REC 203 **INTRODUCTION TO RECREATION**
Every Spring/3 hours
A course designed to introduce the student to the philosophy and early development of recreation in America. It is also structured to examine the role and status of the varied agencies engaged in recreation programs.

REC 213 **RECREATIONAL ACTIVITIES**
Every Fall/3 hours See **PE 213** on page 74.

REC 303 **CHURCH RECREATION**
Every Fall/3 hours
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 **OUTDOOR RECREATION**
January Term or on demand/3 hours
A course designed to acquaint the student with the knowledge and experience of outdoor living. Camping, back-packing, and desert survival will be explored.

REC 373 **RECREATION ADMINISTRATION**
Every Spring/3 hours See **PE 373** on this page.

REC 396 **DEPARTMENTAL TUTORING**
Every semester/2 hours
For course description see **ACC 396** on page 112.

REC 403 **INTERNSHIP IN RECREATION**
Every semester/3 hours
The student is assigned to an approved recreational facility to serve as a leader or assistant leader under the supervision of a recreation employee for a specified number of hours. Periodic conferences and evaluations are scheduled with the supervising teacher. *Prerequisites: REC 203 and REC 373.*

TUT 300/400 **VOLUNTEER TUTORING**
Every semester/No credit
For course description see **TUT 300/400** on page 112.

History & Social Sciences

Department Description
Degree Requirements
- Behavioral Sciences
- Government
- History
- Justice Studies
- Psychology
- Social Sciences
- Sociology

Course Descriptions



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 Justice Studies major and minor prepares individuals for positions in police work, corrections and courts. The department serves two principal functions — the provision of a liberal arts education and specialized training for future careers.

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 creative power in thinking.

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

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 fuller description of these two programs are found on pages 8 and 9. Interested students should pick up application forms and application deadline information from department faculty.

DEGREE REQUIREMENTS — BEHAVIORAL SCIENCES

****REQUIREMENTS FOR A MINOR IN BEHAVIORAL SCIENCES**

SOC 101 Introduction to Sociology	3 hours
SOC 313 Cultural Anthropology **or** SOC 323 History of Social Thought	3 hours
PSY 101 General Psychology	3 hours
PHI 213 Introduction to Philosophy	3 hours
Upper Division Electives in Psychology **or** Sociology	6 hours
TOTAL	18 hours

** Not recommended for prospective teachers in secondary education.

DEGREE REQUIREMENTS — GOVERNMENT

REQUIREMENTS FOR A MINOR IN GOVERNMENT

GOV 203 Federal and Arizona Government	3 hours
Electives in Government	15 hours
TOTAL	18 hours

DEGREE REQUIREMENTS — HISTORY

REQUIREMENTS FOR A MAJOR IN HISTORY (B.A. DEGREE)

HIS 101 and 102 Western Civilization to 1815 and Western Civilization since 1815	6 hours
HIS 103 and 104 Early and Recent American History	6 hours
HIS 321 Ancient and Medieval History	3 hours
HIS 483 History Seminar	3 hours
* Electives in History (12 hours must be Upper Division)	15 hours
TOTAL	33 hours

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

REQUIREMENTS FOR A MINOR IN HISTORY

HIS 101 and 102 Western Civilization to 1815 and Western Civilization since 1815	6 hours
HIS 103 and 104 Early and Recent American History	6 hours
HIS 321 Ancient and Medieval History	3 hours
Upper Division Electives in History	6 hours
TOTAL	21 hours

DEGREE REQUIREMENTS — JUSTICE STUDIES

REQUIREMENTS FOR A MAJOR IN JUSTICE STUDIES (B.S. DEGREE)

JUS 200 Introduction to the Criminal Justice System	3 hours
JUS 201 Issues in Criminal Justice	3 hours
JUS 373 Social Research (SOC 373)	3 hours
JUS 380 Theory of Criminal Justice	3 hours
JUS 400 Internship in Criminal Justice	3 hours
JUS 440 Criminal Justice Management	3 hours
Electives in Justice Studies (12 must be Upper Division)	15 hours
TOTAL	33 hours

REQUIREMENTS FOR A MINOR IN JUSTICE STUDIES

JUS 200 Introduction to the Criminal Justice System	3 hours
JUS 201 Issues in Criminal Justice	3 hours
JUS 380 Theory of Criminal Justice	3 hours
JUS 400 Internship in Criminal Justice	3 hours
JUS 440 Criminal Justice Management	3 hours
Electives from the following:	9 hours
JUS 306 Police Function	
JUS 308 Adjudication Function	
JUS 310 Correction Function	
JUS 461 Substantive Criminal Law	
JUS 462 Procedural Criminal Law	
JUS 480 Criminal Justice Education	
JUS 498 Pro Seminar	
JUS 499 Independent Study	
TOTAL	24 hours

DEGREE REQUIREMENTS — PSYCHOLOGY

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY (B.S. DEGREE)

PSY 101 General Psychology	3 hours
PSY 253 Personality Development	3 hours
PSY 303 Social Psychology	3 hours
PSY 313 Learning and Cognition	3 hours
PSY 323 History and Systems of Psychology	3 hours
PSY 363 Introduction to Probability and Statistics	3 hours
PSY 367 Experimental Psychology	4 hours
PSY 433 Abnormal Psychology	3 hours
Upper Division Electives in Psychology	9 hours
TOTAL	34 hours

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

PSY 101 General Psychology	3 hours
PSY 253 Personality Development	3 hours
PSY 303 Social Psychology	3 hours
Upper Division Electives in Psychology	9 hours
TOTAL	18 hours



DEGREE REQUIREMENTS — SOCIAL SCIENCES

REQUIREMENTS FOR A MAJOR IN SOCIAL SCIENCES (B.A. DEGREE)

ECO 201 Principles of Economics-Macro	3 hours
Geography Elective	3 hours
GOV 203 Federal and Arizona Government	3 hours
SOC 101 Introduction to Sociology	3 hours
SOC 223 Social Problems	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
Upper Division Electives chosen from GEO, GOV, HIS, PSY, SOC	12 hours
TOTAL	39 hours

REQUIREMENTS FOR A MINOR IN SOCIAL SCIENCES

ECO 201 Principles of Economics-Macro	3 hours
Geography Elective	3 hours
GOV 203 Federal and Arizona Government	3 hours
HIS 101, 102 Western Civilization to 1815, Western Civilization since 1815 **or** HIS 103, HIS 104 Early American History, Recent American History	6 hours
SOC 101 Introduction to Sociology	3 hours
TOTAL	18 hours

(3 hours must be Upper Division)

DEGREE REQUIREMENTS — SOCIOLOGY

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY (B.S. DEGREE)

SOC 101 Introduction to Sociology and SOC 223 Social Problems	6 hours
SOC 323 History of Social Thought	3 hours
SOC 362 Introduction to Probability and Statistics	3 hours
SOC 373 Social Research	3 hours
* Upper Division Electives in Sociology	18 hours
TOTAL	33 hours

REQUIREMENTS FOR A MINOR IN SOCIOLOGY

SOC 101 Introduction to Sociology and SOC 223 Social Problems	6 hours
* Electives in Sociology (6 hours must be Upper Division)	12 hours
TOTAL	18 hours

* Only 3 hours of the 6 hour sequence SOC 420/421 may count toward the major or minor.

GEOGRAPHY

GEO 233 WORLD GEOGRAPHY
Every Spring/3 hours
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 313 PHYSICAL GEOGRAPHY
Every Fall/3 hours
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 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

GEO 399 PRACTICUM
On demand/1-4 hours
See page 51.

GEO 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

GOVERNMENT

GOV 203 FEDERAL AND ARIZONA GOVERNMENT
Every semester and every Summer/3 hours
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.

GOV 252 FEDERAL GOVERNMENT
Every semester and every Summer/2 hours
The first half of **GOV 203**, a survey of American Government. This half meets the teacher certification requirement for American Government.

GOV 262 ARIZONA GOVERNMENT
Every semester and every Summer/1 hour
The second half of **GOV 203**, a survey of Arizona History and Government. This half meets the teacher certification requirement for Arizona Government.

GOV 313 COMPARATIVE GOVERNMENT
Spring, 1991, and alternate years/3 hours
A comparative study of the organization and operation of selected governments in the world today, with special attention given to the Soviet Union, England, France, and the United States. *Prerequisite: 6 hours of history or government.*

GOV 323 INTERNATIONAL RELATIONS
Fall, 1989, and alternate years/3 hours
A study of the history of international politics, contemporary world power structure, and international law and organization. *Prerequisite: 6 hours of history or government.*

GOV 333 EARLY POLITICAL THOUGHT
Fall, 1990, and alternate years/3 hours
A study of the evolution of European and American political doctrines, with special attention given to the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 18th century enlightenment. *Prerequisite: 6 hours of history or government.*

GOV 343 CONTEMPORARY POLITICAL THOUGHT
Spring, 1991, and alternate years/3 hours
Continuation of **GOV 333**. Deals with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and to the study of socialism, communism, and fascism in the modern world. *Prerequisite: GOV 333 or sufficient work in history or philosophy to provide an adequate background.*

GOV 393 AMERICAN DIPLOMATIC HISTORY
Spring, 1990, and alternate years/3 hours
Also **HIS 393**. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. *Prerequisite: 6 hours of history or government.*

GOV 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

GOV 399 PRACTICUM
On demand/1-4 hours See page 51.

GOV 423 CONSTITUTIONAL HISTORY OF THE UNITED STATES
Fall, 1989, and alternate years/3 hours
Also **HIS 423**. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. *Prerequisite: 6 hours of history or government.*

GOV 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

HISTORY

HIS 101 WESTERN CIVILIZATION TO 1815
Every semester/3 hours
The Renaissance and Reformation are studied and related to the transition from medieval to early modern culture. 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 WESTERN CIVILIZATION SINCE 1815
Every semester/3 hours
A continuation of **HIS 101** but students need not have taken HIS 101 before taking 102. A study of the swiftly changing tides of events that characterize the world of today. Emphasis is placed on the role of the United States in the 20th century.

HIS 103 EARLY AMERICAN HISTORY
Every semester/3 hours
A study of European expansion in America, the English colonies, colonial institutions, the American Revolution and Constitution, the launching of the new government, nationalism and sectionalism, westward expansion, slavery, and the Civil War.

HIS 104 RECENT AMERICAN HISTORY
Every semester/3 hours
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 BAPTIST AND AMERICAN CHURCH HISTORY
Every Spring/3 hours
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 313 HISTORY OF ENGLAND TO 1714
Fall, 1990, and alternate years/3 hours
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 314 MODERN BRITAIN
Spring, 1991, and alternate years/3 hours
A study of the significant political, economic, and social developments of 18th, 19th, and 20th century Britain, with particular attention given to the factors which contributed to Britain's position as a leading power in the 19th century and its decline from that position in the 20th century. *Prerequisite: HIS 101 or 102.*

HIS 317 STUDIES IN THE NON-WESTERN WORLD
On demand/3 hours
A study of some aspects of the non-western world. Geographic areas studied will vary. Emphasis will be on culture, history, and contemporary situation.

HIS 321 ANCIENT AND MEDIEVAL HISTORY
Fall, 1989, and alternate years/3 hours
A survey of the Western Civilization during the Ancient and Medieval World. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered.

HIS 333 THE RENAISSANCE AND REFORMATION
Fall, 1989, and alternate years/3 hours
A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic and Counter Reformations; rise of nationalism and capitalism. *Prerequisite: HIS 101.*

HIS 353 HISTORY OF CHRISTIANITY
Every Fall/3 hours
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 LATIN AMERICAN HISTORY
Spring, 1990, and alternate years/3 hours
A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, the wars of independence and Latin American republics from the era of independence to the present. *Prerequisite: 3 hours of history.*

HIS 383 ECONOMIC HISTORY OF THE UNITED STATES
Fall, 1990, and alternate years/3 hours
Also **ECO 383**. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. *Prerequisites: ECO 202, HIS 103 and HIS 104.*

HIS 393 AMERICAN DIPLOMATIC HISTORY
See **GOV 393** on page 79.

HIS 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

HIS 413 RUSSIA AND EASTERN EUROPE
Fall, 1989, and alternate years/3 hours
A study of the Russian peoples and their rulers from the earliest times to the present. *Prerequisites: HIS 101 and HIS 102.*

HIS 423 CONSTITUTIONAL HISTORY OF THE UNITED STATES
See **GOV 423** on page 73.

HIS 443 TWENTIETH CENTURY EUROPE
Spring, 1991, and alternate years/3 hours
A study of World War I and its aftermath in Europe; the peace treaties; interdependence of political and economic factors in the 20 years following, which contributed to the renewal of war; developments of World War II and the cold war; and the United Nations and contemporary efforts to establish peace. *Prerequisite: HIS 102.*

HIS 445 PROBLEMS IN EUROPEAN HISTORY
On demand/3 hours
A study of eight to ten major problems in European history. Emphasis will be on historiography and analysis. *Prerequisites: HIS 101 and HIS 102.*

HIS 483 HISTORY SEMINAR
Every Spring/3 hours
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, and 6 hours of Upper Division history.*

HIS 493 THE WEST IN AMERICAN HISTORY
Spring, 1991, and alternate years/3 hours
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 and HIS 104.*

HIS 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

JUSTICE STUDIES

JUS 200 INTRODUCTION TO THE JUSTICE SYSTEM *Every Fall/3 hours*
Overview of police, courts, and corrections, the three components that make up the criminal justice system.

JUS 201 ISSUES IN JUSTICE STUDIES
Every Spring/3 hours
Issues, techniques, and trends of the criminal justice system. *Prerequisite: JUS 200 or instuctor's approval.*

JUS 306 THE POLICE FUNCTION
On demand/3 hours
Objectives, strategies, programs, roles, perspectives, and the interagency relationships of the police. *Prerequisites: JUS 200, JUS 201 or instuctor's approval.*

JUS 308 THE ADJUDICATION FUNCTION
Spring, 1990, and alternate years/3 hours
In depth study of the objectives, processes, settings, roles, and perspectives of the courts, prosecution and defense. *Prerequisites: JUS 200, JUS 201 or instuctor's approval.*

JUS 310 THE CORRECTIONAL FUNCTION
On demand/3 hours
The workings of the court system as it relates to the offender. *Prerequisites: JUS 200, JUS 201 or instuctor's approval.*

JUS 360 LAW AND SOCIAL CONTROL
On demand/3 hours
Study of social issues related to the application of law as an agent of social control. Categories of law and schools of jurisprudence. *Prerequisites: JUS 200, JUS 201 or instuctor's approval.*

JUS 373 SOCIAL RESEARCH
Every Fall/3 hours
Also **SOC 373**. 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 380 THEORY OF CRIMINAL JUSTICE
On demand/3 hours
An examination of the criminal justice system with emphasis on the psychological, biological, and social causes of crime. *Prerequisites: JUS 200, JUS 201, and one Upper Division justice studies' course or instuctor's approval.*

JUS 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

JUS 400 INTERNSHIP IN CRIMINAL JUSTICE
On demand/3 hours
Placement of students in a criminal justice or related agency to further the student's integration of theory with practice. *Prerequisites: JUS 200, JUS 201.*

JUS 420/421 PRINCIPLES OF RESIDENTIAL TREATMENT OF ADOLESCENTS I & II
See **SOC 420/421** on page 84.

JUS 440 CRIMINAL JUSTICE MANAGEMENT
On demand/3 hours
Analysis of organization structures in police, courts, and corrections. Management and administrative policies of criminal justice agencies are examined. *Prerequisites: JUS 200, JUS 201, and one Upper Division justice studies' course or instructor's approval.*

JUS 461 SUBSTANTIVE CRIMINAL LAW
On demand/3 hours
Study of criminal liability with an emphasis on crimes against persons, property, and society. *Prerequisites: JUS 200, JUS 201, or instructor's approval.*

JUS 462 PROCEDURAL CRIMINAL LAW
Spring, 1990, and alternate years/3 hours
Study of the criminal process as it relates to the constitution. *Prerequisites: JUS 200, JUS 201 or instructor's approval.*

JUS 480 CRIMINAL JUSTICE EDUCATION
On demand/3 hours
Development and philosophy of criminal justice education and training. Problems of curriculum development and evaluation. Examination and evaluation of teaching methodologies and instructional aids. *Prerequisites: JUS 200, JUS 201 or instructor's approval.*

JUS 497 SPECIAL TOPICS IN CRIMINAL JUSTICE
On demand/3 hours
In depth study of chosen topics. *Prerequisites: JUS 200, JUS 201, and one Upper Division justice studies' course or instructor's approval.*

JUS 498 PRO-SEMINAR
On demand/1-3 hours
Study and research for advanced students. *Prerequisites: JUS 200, JUS 201, and one Upper Division justice studies' course or instructor's approval.*

JUS 499 INDEPENDENT STUDY
On demand/1-4 hours
Original study or investigation in the student's field of interest. *Prerequisites: JUS 200, JUS 201, and one Upper Division justice studies' course or instructor's approval.*

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

PSYCHOLOGY

PSY 101 GENERAL PSYCHOLOGY
Every semester/3 hours
A foundation course in the science of behavior. Includes a study of the origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments constitute a basic part of the course.

PSY 250 HUMAN GROWTH AND DEVELOPMENT
Every semester/3 hours
A course in developmental psychology with emphasis on the physical, social, cognitive, personality and moral developments within an individual. The course is designed to provide an understanding of the transitions of life from conception to death. May not be taken with prior credit in Child Psychology. Not available to students with a Psychology major or minor.

PSY 253 PERSONALITY DEVELOPMENT
Every semester/3 hours
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 303 SOCIAL PSYCHOLOGY
Every Spring/3 hours
Also **SOC 303**. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. *Prerequisite: PSY 101 or SOC 101.*

PSY 313 LEARNING AND COGNITION
Every semester/3 hours
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 315 PERSONALITY PSYCHOLOGY
Fall, 1990, and alternate years/3 hours
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 323 HISTORY AND SYSTEMS OF PSYCHOLOGY
Spring, 1990, and alternate years on demand/3 hours
A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Normally taken by sophomores or juniors but may be taken by permission during the second semester of the freshman year by students who have made at least a "B "in PSY 101 during the first semester of their freshman year. *Prerequisite: PSY 101.*

PSY 325 MOTIVATION AND EMOTION
Fall, 1989, and alternate years on demand/3 hours
An investigation of the purposes for human behavior from the perspective of behavioral, cognitive, ethological, psychoanalytic, psychophysical, and other perspectives. Topics covered are lower and higher needs, instincts, emotions, drives, rewards, conflict, stress, anxiety, aggression, achievement motivation, and achieving full potential. *Prerequisite: PSY 101.*

PSY 333 PSYCHOLOGY IN RELIGION
See **HTH 333** on page 67.

PSY 353 CHILD PSYCHOLOGY
Every semester and every Summer/3 hours
An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work, and play in child life; and the synthesis and integration of personality. *Prerequisite: PSY 101*

PSY 363 INTRODUCTION TO PROBABILITY AND STATISTICS *Every semester/3 hours*
Also **SOC 362**. A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. *Prerequisite: MAT 120 or equivalent.*

PSY 365 INDUSTRIAL PSYCHOLOGY
Spring, 1991, and alternate years/3 hours
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 367 EXPERIMENTAL PSYCHOLOGY
Every Spring/4 hours
A laboratory course emphasizing both the theoretical and applied aspects of experimental design and research methodology. A variety of experiments will be performed in such areas as learning, motivation, and perception. *Prerequisites: PSY 101 and PSY 363.*

PSY 373 ADOLESCENT PSYCHOLOGY
Every semester/3 hours
An examination of the meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescence; and the guidance and control of adolescent behavior. *Prerequisite: PSY 101.*

PSY 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

PSY 401 PSYCHOLOGY OF DEATH AND DYING
January Term on demand/3 hours
A study of the process of grief and dying. The psychological adjustments of the individual family and professional are examined. The student examines his or her own attitudes, values, and beliefs pertaining to death and dying.

PSY 403 PHYSIOLOGICAL PSYCHOLOGY
Every Fall/3 hours
A course emphasizing the relationship between brain and behavior. Role of genetic, neural, hormonal, and physiological processes in sensation, perception, motivation, and learning will be discussed within the context of recent research. *Prerequisite: BIO 201.*

PSY 415 SENSATION AND PERCEPTION
Spring, 1991, and alternate years on demand/3 hours
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 PRINCIPLES OF RESIDENTIAL TREATMENT OF ADOLESCENTS I & II
See **SOC 420/421** on page 84.

PSY 433 ABNORMAL PSYCHOLOGY
Every Fall/3 hours
Designed to help the student to understand mental illness and to prevent mental illness by a better awareness of the emotional, functional, and physiological factors influencing mental health. *Prerequisite: PSY 101.*

PSY 443 FUNDAMENTALS OF COUNSELING AND GUIDANCE
Every semester and every Summer/3 hours
Designed for teachers, ministers, business persons, industrial workers, or workers in sociology. Emphasis is placed on the proper use of psychology as a tool for guidance by persons in various occupations. *Prerequisite: PSY 101.*

PSY 474 PSYCHOLOGICAL TESTING
On demand/3 hours
An introduction to the nature and use of psychological tests for the evaluation of intelligence, aptitudes, achievement, personality interests, and opinions. Consideration will be given to the reliability and validity of psychological tests and their legitimate uses and abuses. Demonstration of the administration and scoring of the major psychological tests.

PSY 497 INTERNSHIP IN PSYCHOLOGY
Every semester/1-4 hours
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.

PSY 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

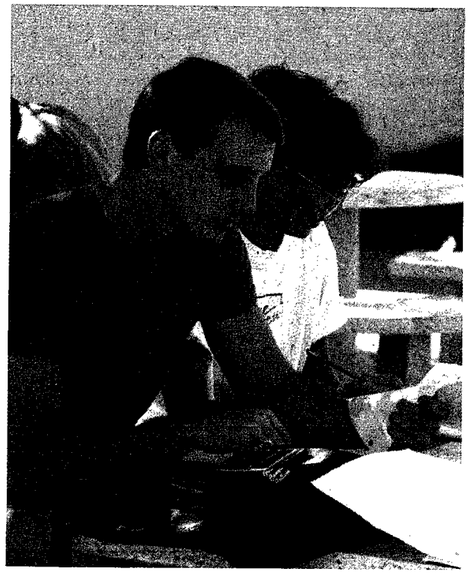
TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

SOCIOLOGY

SOC 101 INTRODUCTION TO SOCIOLOGY
Every semester/3 hours
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 223 SOCIAL PROBLEMS
Every Spring/3 hours
A survey of the various issues and problems faced by contemporary American society including poverty, war, inequality, crime, energy and food shortages, sexual behavior, and drug and alcohol abuse. A cross-cultural perspective will be employed to further an understanding of the history, nature, and possible solutions of these social problems. *Prerequisite: SOC 101.*

SOC 303 SOCIAL PSYCHOLOGY
Every Spring/3 hours
Also **PSY 303**. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. *Prerequisite: PSY 101 or SOC 101.*



SOC 313 CULTURAL ANTHROPOLOGY
Every Spring/3 hours
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 323 HISTORY OF SOCIAL THOUGHT
Every Spring/3 hours
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 333 MARRIAGE AND THE FAMILY
Every Fall/3 hours
A sociological analysis of the family, designed to contribute to an understanding of its origin, structure, and functions and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the adjustments necessary to successful marriage and family life. *Prerequisite: SOC 101 or Junior standing.*

SOC 343 JUVENILE DELINQUENCY
Spring, 1990, and alternate years/3 hours
A study of the extent and nature of juvenile delinquency: the social and personal factors related to the development of delinquent habits and the techniques for dealing with the delinquent and for redirecting youth behavior into more desirable patterns. *Prerequisite: SOC 223 or Junior standing.*

SOC 353 URBAN SOCIOLOGY
Fall, 1989, and alternate years/3 hours
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 362 INTRODUCTION TO PROBABILITY AND STATISTICS
See **PSY 363** on page 82.

SOC 373 SOCIAL RESEARCH
Every Fall/3 hours
Also **JUS 373**. 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 383 DRUG ABUSE SEMINAR
Every Spring/3 hours
Also **HLT 383**. Information presented concerns the problems of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychological, legal, social and cultural implications; and principles of program planning. *Prerequisite: SOC 223.*

SOC 384 HUMAN ECOLOGY
See **BIO 384** on page 102.

SOC 393 SOCIOLOGY OF AGING
Spring, 1991, and alternate years/3 hours
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 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

SOC 423 AMERICAN MINORITY PEOPLES
Fall, 1990, and alternate years/3 hours
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
Spring, 1991, and alternate years/3 hours
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 420/421* PRINCIPLES OF RESIDENTIAL TREATMENT OF ADOLESCENTS I & II
On demand/6 hours
And **SOC 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 immediately adjacent to the University.

** Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hrs.) may be applied to any one major or minor. No previous or subsequent Internship (SOC 497/PSY 497/JUS 400) can be in a residential treatment of adolescents setting. Prerequisites: Social Problems, Fundamentals of Counseling and Guidance, Juvenile Delinquency, or one Justice Studies course.*

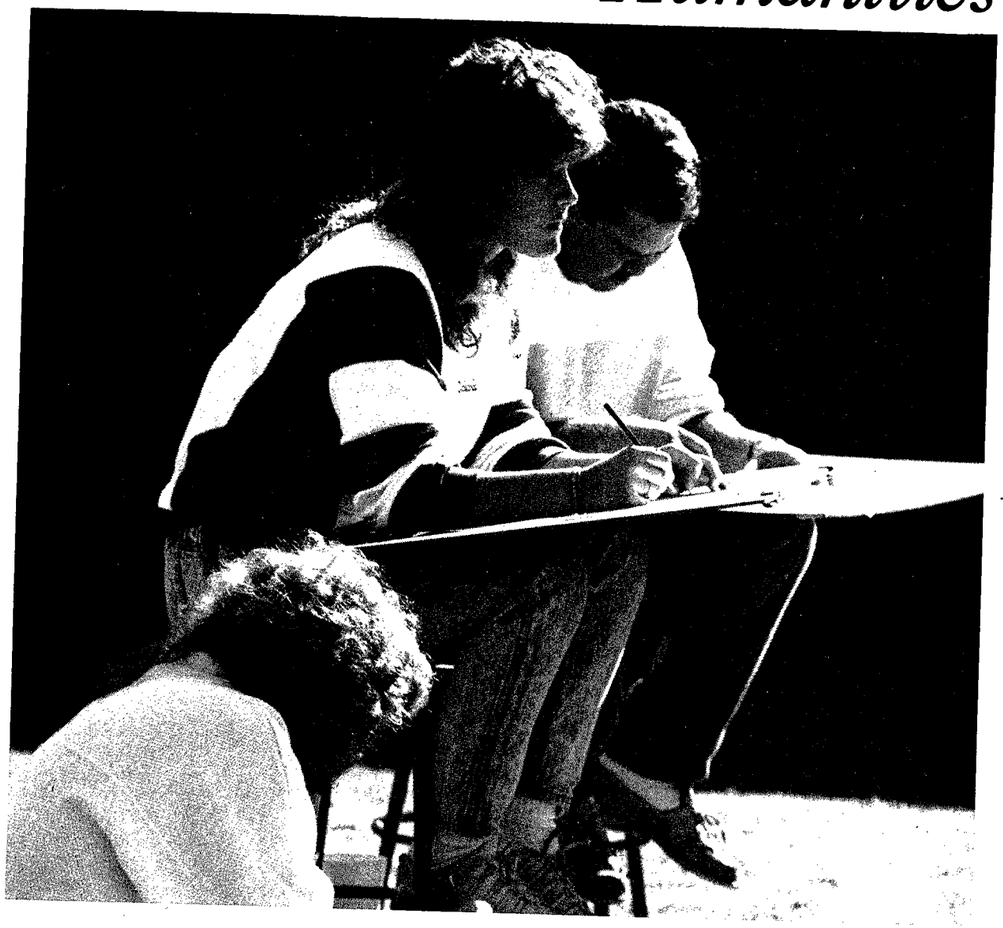
SOC 497 INTERNSHIP IN SOCIOLOGY
Every semester/1-4 hours
The student is placed with an agency or organization in the community to gain practical insights and experience to complement their classroom learning. Every effort is made to place the student in a setting corresponding to their interests or career goals.

SOC 498 SPECIAL TOPICS
On demand/3 hours
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 & Illness, or Sociology of Mental Illness. *Prerequisites: SOC 101, SOC 373, or instructor's approval.*

SOC 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

Humanities



College Description
Degree Requirements
Art
Communications
English
Modern Language
French
German
Spanish
Course Descriptions

DEPARTMENT DESCRIPTION

Courses in the humanities 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 art, literature, writing, and language.

Courses in *art* are designed to involve the student in active participation and to develop artistic skills in critical appreciation, historical understanding, the forming of art objects, and the teaching of art. All lower division courses are open to any student, with no prerequisite.

Entrance into the Studio Art major will require taking the courses Drawing I, Two- and Three-Dimensional Design and 3 hours in a selected concentration area. The student must have a "B" grade point average in the prerequisite courses listed. A faculty review (full-time art faculty) will determine whether the student is suited to this type of educational pursuit.

The *communications* major offers a unique interdisciplinary field of study for students. Course work comes from the areas of Art, English, Journalism, and Speech. Although these courses are intended to prepare the student for professional work in the field of broadcasting, writing, public relations and other related fields, students should be advised that some employment opportunities will require a master's

degree. The degree is broadly based in order to provide a wide variety of experiences. Recommended minors include Business, English or Theatre. The student should be proficient in typing or word processing.

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 the student may acquire a command of clear and effective English, spoken and written, that will prepare one to assume a responsible position in the American community. The second objective is the development of the ability to read good literature with appreciation and enjoyment and with an awareness of the values presented. The third objective, for the major in English, is a more specific study of the skills and knowledge involved in the first two 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 *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.

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.

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 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 considered 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 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.*

Fourteen 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 20 semester hours (6 hours must be the Language Methods class and the Linguistics Conversation class). Additional information may be secured from faculty personnel.

Students wishing to expand the Spanish minor to a major may complete such a major by transferring approved upper division courses from a regionally accredited college or university and/or by taking one independent study class in addition to what is already offered. A major must be approved, in advance, by the instructor, the department chairperson, and Vice President for Academic Affairs.

DEGREE REQUIREMENTS — ART

REQUIREMENTS FOR A GENERAL MAJOR IN ART* (B.A. DEGREE)

AH	333, 343 Art History I, II	6 hours
AH	353, 363 American Art, **or** Contemporary Art	3 hours
AH	373 Aesthetics	3 hours
AR	203 Drawing I	3 hours
AR	223, 243, 253, 263, 273, 283, **or** DGN 233	9 hours
AR	303, 323, 343, 353, 363, 373, 383, **or** DGN 333	6 hours
AR	481 Studio Problems & Techniques **or** DGN 481 Design Problems & Techniques	4 hours
DGN	213 Basic Studio Techniques	2 hours
DGN	243, 253 Two- & Three-Dimensional Design	6 hours
	TOTAL	42 hours

REQUIREMENTS FOR A MAJOR IN ART EDUCATION*† (B.A. DEGREE) (NO MINOR REQUIRED)

AE	303, 423 Art in Elementary & High School	6 hours
AE	323 Art Media & Methods for the Elementary Teacher	3 hours
AH	333, 343 Art History I, II	6 hours
AR	203 Drawing I	3 hours
AR	213, 223, 243, 253, 263, 273, 283, **or** DGN 233	12 hours
AR	481 Studio Problems & Techniques **or** DGN 481 Design Problems & Techniques	4 hours
DGN	243, 253 Two- & Three-Dimensional Design	6 hours
Upper Division Art Electives		6 hours
	TOTAL	46 hours

**Either major requires a minimum of 18 Upper Division courses.*
†Students who wish to qualify for K-12 certification must earn 46 hours which includes AE 303 and 423. Refer to College of Education for certification requirements.

REQUIREMENTS FOR A MAJOR IN STUDIO ART (B.A. DEGREE) (NO MINOR REQUIRED)

AH	333, 343, 353, 363 Art History	12 hours
AH	373 Aesthetics	3 hours
AR	203 Drawing I	3 hours
AR	223, 253, 263, 273, 283, **or** DGN 233	6 hours
AR	243 Photography I	3 hours
AR	303, 323, 343, 353, 363, 373, 383, **or** DGN 333	3 hours
AR	393 Art Seminar	3 hours
AR	431 Portfolio Competence	2 hours
AR	481 Studio Problems & Techniques	9 hours
DGN	213 Basic Studio Techniques	2 hours
DGN	243, 253 Two- & Three-Dimensional Design	6 hours
DGN	481 Design Problems & Techniques	9 hours
	TOTAL	61 hours

REQUIREMENTS FOR A MINOR IN STUDIO ART

AH	333, 343, 353, 363 Art History	3 hours
AR	203 Drawing I	3 hours
AR	223, 243, 253, 263, 273, 283, **or** DGN 233	3 hours
AR	303, 323, 343, 353, 363, 373, 383, **or** DGN 333	3 hours
AR	481 **or** DGN 481	3 hours
DGN	243, **or** 253 (depending on concentration area)	3 hours
	TOTAL	18 hours

REQUIREMENTS FOR A TEACHING MINOR IN ART

AE	303 Art in the Elementary School	3 hours
AE	423 Art in the High School	3 hours
AH	333, 343, 353, **or** 363 Art History	3 hours
AR	203 Drawing I	3 hours
AR	223, 243, 253, 263, 273, 283, **or** DGN 233	3 hours
DGN	243, 253 Two- & Three-Dimensional Design	6 hours
Upper Division Elective		3 hours
	TOTAL	24 hours

DEGREE REQUIREMENTS — COMMUNICATIONS

REQUIREMENTS FOR A MAJOR IN COMMUNICATIONS (B.A. DEGREE)

AR	243 Photography I	3 hours
CS	133 Introduction to Computer Science	3 hours
DGN	223 Advertising Design	3 hours
EEW	313 Business & Technical Writing	3 hours
EEW	343 Advanced Composition	3 hours
JRN	213 Small Newspaper	3 hours
JRN	230 News Writing & Reporting	3 hours
SPC	113 Fundamentals of Speech	3 hours
SPC	398 Communications & The Media	3 hours
Electives from the following:		12 hours
EEW	453 Creative Writing	
EEW	483 Seminar in Writing	
ELG	363 Advanced Grammar	
SPC	292 Group Discussion	
SPC	311 Advanced Public Speaking	
3-6 hours practicum in Journalism, Radio or Television Broadcasting, **or** Public Relations		
	TOTAL	39 hours

REQUIREMENTS FOR A MINOR IN COMMUNICATIONS

JRN	213 Small Newspaper	3 hours
Electives from the following:		6 hours
EEW	313 Business and Technical Writing	
EEW	323 Writing for Publication	
EEW	343 Advanced Composition	
JRN	230 News Writing and Reporting	
Electives from the following:		9 hours
SPC	311 Advanced Public Speaking	
SPC	318 Voice and Diction	
SPC	378 Oral Interpretation of Literature	
SPC	398 Communications & The Media	
	TOTAL	18 hours

DEGREE REQUIREMENTS — ENGLISH

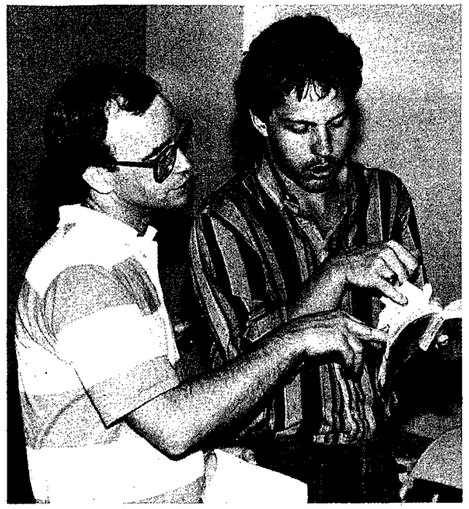
GENERAL EDUCATION REQUIREMENTS FOR ENGLISH MAJORS

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

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

REQUIREMENTS FOR A MAJOR IN ENGLISH LITERATURE (B.A. DEGREE)

The English faculty urges English majors to include a foreign language in their programs. Most graduate schools prefer French or German,



but Spanish is undoubtedly more valuable in the job market.

EAL	313 American Literature I	3 hours
EAL	323 American Literature II	3 hours
EAL	463 American Literature III	3 hours
EEL	213 English Literature I	3 hours
EEL	223 English Literature II	3 hours
EEL	363 English Literature III	3 hours
EMA	423 Shakespeare	3 hours
ETL	324 Studies in Poetry, ETL 333 The Short Story, **or** ETL 413 the Novel	3 hours
Electives from the following:		6 hours
EEW	323 Writing for Publication	
EEW	343 Advanced Composition	
EEW	453 Creative Writing	
EEW	483 Seminar in Writing	
ELG	363 Advanced Grammar	
	TOTAL	30 hours

REQUIREMENTS FOR A MAJOR IN ENGLISH TEACHING (B.A. DEGREE)

EAL	313 American Literature I	3 hours
EAL	323 American Literature II	3 hours
EAL	463 American Literature III	3 hours
EEL	213 English Literature I	3 hours
EEL	223 English Literature II	3 hours
EEL	363 English Literature III	3 hours
ELG	363 Advanced Grammar	3 hours
EMA	423 Shakespeare	3 hours
ETL	324 Studies in Poetry, ETL 333 The Short Story, ETL 413 the Novel **or** ETL 409 Adolescent Literature	3 hours
Elective from the following:		3 hours
EEW	323 Writing for Publication	
EEW	343 Advanced Composition	
EEW	453 Creative Writing	
EEW	483 Seminar in Writing	
	TOTAL	30 hours

Strongly recommended are SPC 378 Oral Interpretation of Literature and one of the journalism courses. Students who plan to teach must meet all the requirements of the College of Education for state certification.

REQUIREMENTS FOR A MAJOR IN ENGLISH WRITING (B.A. DEGREE)

EEW	101 Grammar and Composition	3 hours
EEW	102 Composition and Literature	3 hours
Electives from the following:		24 hours
EEW	313 Business and Technical Writing	
EEW	323 Writing for Publication (may be repeated for a maximum of 6 hours)	
EEW	343 Advanced Composition	
EEW	453 Creative Writing (may be repeated for a maximum of 6 hours)	
EEW	483 Seminar in Writing (may be repeated for a maximum of 6 hours)	
ETL	324 Studies in Poetry	
ETL	333 The Short Story	
ETL	413 The Novel	
JRN	213, 313 Small Newspaper	
JRN	230 News Writing and Reporting	
JRN	300 Advanced News Writing and Reporting	
	TOTAL	30 hours

Recommended Electives for this major include:

AR	203 Drawing I
AR	243 Photography I
CS	133 Introduction to Computer Science
DGN	243 Two-Dimensional Design
TRE	150 Acting I

REQUIREMENTS FOR A MINOR IN ENGLISH

EAL	313, 323 **or** 463 American Literature I, II, **or** III	6 hours
EEL	213, 223, 363 English Literature I, II, III	9 hours
Upper Division Electives in English		6 hours
	TOTAL	21 hours

REQUIREMENTS FOR A TEACHING MINOR IN ENGLISH

EAL	313, 323, 463 American Literature I, II, III	9 hours
EEL	213, 223, 363 English Literature I, II, III	9 hours
EEW	343 Advanced Composition	3 hours
ELG	363 Advanced Grammar	3 hours
	TOTAL	24 hours

REQUIREMENTS FOR A MINOR IN HUMANITIES

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

Art	Music
Language	Philosophy
Literature	Speech/Theatre

DEGREE REQUIREMENTS — MODERN LANGUAGE

REQUIREMENTS FOR A MINOR IN FRENCH

FR	114, 124 Elementary French I, II	8 hours
FR	213, 223 Intermediate French I, II	6 hours
FR	301 French Composition	3 hours
FR	413 French Literature	3 hours
	TOTAL	20 hours

REQUIREMENTS FOR A MINOR IN GERMAN

GER	114, 124 Elementary German I, II	8 hours
GER	213, 223 Intermediate German I, II	6 hours
GER	301 German Composition	3 hours
GER	413 Survey of German Literature I	3 hours
	TOTAL	20 hours

REQUIREMENTS FOR A MINOR IN SPANISH

SPA	114, 124 Elementary Spanish I, II	8 hours
SPA	213, 223 Intermediate Spanish I, II	6 hours
SPA	343 Spanish Composition	3 hours
SPA	413 Spanish Literature	3 hours
	TOTAL	20 hours

ART EDUCATION

AE 303 ART IN THE ELEMENTARY SCHOOL
Every Fall/3 hours
Emphasis on self-understanding through the use of art, concurrent with the study of the art work of children of all ages from early childhood to mid-adolescence.

AE 323 ART MEDIA AND METHODS FOR THE ELEMENTARY TEACHER
Every Spring/3 hours
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.

AE 423 ART IN THE HIGH SCHOOL
Fall, 1991, and alternate years/3 hours
Exploration of materials, theory, and organization for presenting art activities and development in the arts for students on the secondary school level.

ART HISTORY

AH 112 INTRODUCTION TO ART
Every semester/3 hours
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.

AH 333 ART HISTORY I
Fall, 1990, and alternate years/3 hours
A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art to the Renaissance.

AH 343 ART HISTORY II
Spring, 1991, and alternate years/3 hours
A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-classic, Romantic, and Modern epochs.

AH 353 AMERICAN ART
Fall, 1989, and alternate years/3 hours
History of art in the United States from European settlement of the New World to today.

AH 363 CONTEMPORARY ART
Spring, 1990, and alternate years/3 hours
Recent and current trends in art with special consideration of new concepts and experimentation with media and modes of presentation.

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

AH 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

ART STUDIO

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

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

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

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

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

AR SCULPTURE I
273 *Fall, on demand/3 hours*
An introduction to the sculpting processes of carving, modeling, and fabricating, emphasizing volume, movement, and space.

AR PAINTING I
283 *Every semester/3 hours*
Introduction, the preparation and use of materials and methods with an emphasis on color theory and effects of color and harmony.

AR DRAWING II
303 *Every Spring/3 hours*
Exploration of recording ideas and concepts through the use of a variety of materials such as pastels and chalks as well as mixed medias. *Prerequisite: AR 203 or instructor's approval.*

AR PRINTMAKING II
323 *Fall, on demand/3 hours*
In depth exploration of printmaking process with emphasis on developing awareness in contemporary application. *Prerequisite: AR 223.*

AR ART WORKSHOP
332 *On demand/3 hours*
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.

AR PHOTOGRAPHY II
343 *Every semester/3 hours*
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: AR 243.*

AR JEWELRY II
353 *Every Spring/3 hours*
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: AR 253.*

AR CERAMICS II
363 *Every semester/3 hours*
Continued studio problems in the process of forming clay. Emphasis is also placed on glaze application and surface decoration. *Prerequisite: AR 263.*

AR SCULPTURE II
373 **Spring, on demand/3 hours*
Continued exploration of sculpting processes of casting, welding, and plastics. *Prerequisite: AR 273.*

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

AR ART SEMINAR
393 *Every Spring/3 hours*
A discussion oriented class introducing the concept of the professional artist and his/her dealings with galleries and museums, graduate schools, resumes and portfolio requirements. In addition to classroom discussions, the class will be supplemented through field trips to galleries, museums, artist studios, and graduate schools.

AR DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

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

AR PORTFOLIO COMPETENCE
431 *Every semester/2 hours*
The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and resume. *Prerequisite: Instructor's approval.*

AR STUDIO PROBLEMS AND TECHNIQUES
481 *By arrangement/1-4 hours*
Advanced studio problems in the medium of the student's choice. May be repeated. *Prerequisite: Instructor's approval.*

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

*Or by arrangement.

CHINESE

CHI ELEMENTARY CHINESE I
114 *Every Fall/4 hours*
A study stressing conversation using a text, practice tapes, and cultural information to develop basic understanding, speaking, reading and some writing.

CHI ELEMENTARY CHINESE II
124 *Every Spring/4 hours*
Continuation of **CHI 114**. *Prerequisite: CHI 114 or equivalent.*

CHI INTERMEDIATE CHINESE I
213 *Every Fall/3 hours*
Increased emphasis on reading, practice to increase conversational fluency. *Prerequisite: CHI 124 or equivalent.*

CHI INTERMEDIATE CHINESE II
223 *Every Spring/3 hours*
Continuation of **CHI 213**. *Prerequisite: CHI 213 or equivalent.*

DESIGN STUDIO

DGN BASIC STUDIO TECHNIQUES
213 *Every Fall/3 hours*
An introduction to shop techniques and how they relate to the various fields of art. Emphasis will be in construction of specific projects relating to other department courses and on the operation of shop equipment.

DGN ADVERTISING DESIGN
223 *Every Fall/3 hours*
Basic guidelines and principles for developing successful advertising designs will be explored through studio work and lecture.

DGN GRAPHIC DESIGN I
233 *Every semester/3 hours*
An introduction to the basic visual organization of advertising elements and instruction in the use of equipment and tools of the professional designer. *Prerequisite: DGN 243 or instructor's approval.*

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

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

DGN ILLUSTRATION I
273 *Every Spring/3 hours*
Basic principles and styles of drawing and their commercial application are explored through studio work and lecture. *Prerequisite: AR 203.*

DGN GRAPHIC DESIGN II
333 *Every semester/3 hours*
Further study of visual communications through the use of verbal and visual elements. Emphasis will be on creative problem solving and concept development. Includes preparation of art work for reproduction. *Prerequisite: DGN 233.*

DGN DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

DGN DESIGN PROBLEMS AND TECHNIQUES
481 *By arrangement/1-4 hours*
Advanced design problems in the medium of the student's choice. May be repeated. *Prerequisite: Instructor's approval.*

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

AMERICAN LITERATURE

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

EAL AMERICAN LITERATURE II
323 *Every Spring/3 hours*
A study of Local Color, Realism and Naturalism, especially in prose and poetry from 1850 to World War I. *Prerequisite: Junior standing*

EAL DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

EAL PRACTICUM
399 *On demand/1-4 hours*
See page 51.

EAL AMERICAN LITERATURE III
463 *Every Fall/3 hours*
A study of the major works of American literature since World War I. *Prerequisite: EEL 223 or Junior standing.*

EAL INDEPENDENT STUDY
499 *On demand/1-4 hours*
See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

ENGLISH LITERATURE

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

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

EEL ENGLISH LITERATURE III
363 *Every Spring/3 hours*
A study of the major Victorian poetry and prose and selected works from the modern period. *Prerequisite: EEL 223 or Junior standing.*

EMA DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

EMA SHAKESPEARE
423 *Spring, 1990, and alternate years/3 hours*
A study of the major Shakespearean comedies and tragedies and of Shakespeare's development as a dramatist. *Prerequisite: EEL 213 or Junior standing.*

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

ENGLISH WRITING/GRAMMAR

EEW BASIC ENGLISH
100 *Every semester/3 hours*
A course for students whose ACT scores or performance on the Writing Proficiency Exam indicates their need for a review of basic English.

EEW GRAMMAR AND COMPOSITION
101 *Every semester and every Summer/3 hours*
A course in the writing of clear and effective prose, emphasizing fluency, structure, and correctness.

EEW COMPOSITION AND LITERATURE
102 *Every semester and every Summer/3 hours*
The work involves a variety of expository techniques based on the students' readings and a research paper. *Prerequisite: EEW 101.*

HON READINGS FOR HONORS
104 *Every Fall/3 hours*
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 HONORS COMPOSITION AND LITERATURE
Every Spring/3 hours
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.*

EEW 313 BUSINESS AND TECHNICAL WRITING
Every semester/3 hours
A course designed to present the best practices in writing business communications and technical reports.

EEW 323 WRITING FOR PUBLICATION
Every Fall/3 hours
A course designed to persons who want to translate the urge to write into a finished manuscript. The emphasis will be on non-fiction writing. May be repeated for a maximum of 6 hours.

EEW 343 ADVANCED COMPOSITION
Every Spring/3 hours
A course for students interested in writing who wish to develop their skills in critical and non-fiction writing

EEW 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

EEW 453 CREATIVE WRITING
Every Fall/3 hours
A course for students who are particularly interested in writing fiction or poetry. May be repeated for a maximum of 6 hours.

EEW 483 SEMINAR IN WRITING
Fall, 1989, and alternate years/3 hours
A course planned for students who have shown exceptional ability in writing and who are interested in independent research of creative writing. May be repeated for a maximum of 6 hours.

EEW 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.

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

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

FRENCH

FR 114 ELEMENTARY FRENCH I
Every Fall/4 hours
A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.

FR 124 ELEMENTARY FRENCH II
Every Spring/4 hours
Continuation of **FR 114**. *Prerequisite: FR 114 or equivalent.*

FR 213 INTERMEDIATE FRENCH I
Every Fall/3 hours
Review, composition, conversation, and extensive reading. *Prerequisite: FR 124.*

FR 223 INTERMEDIATE FRENCH II
Every Spring/3 hours
Continuation of **FR 213**. *Prerequisite: FR 213.*

FR 300 FRENCH CONVERSATION
Every Fall/3 hours
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.

FR 301 FRENCH COMPOSITION
Every Spring/3 hours
A course designed to give the student practice in writing in French on selected topics and current issues. *Prerequisite: FR 223 or FR 300.*

FR 302 MODERN FRENCH LITERATURE
Every Fall/3 hours
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.

FR 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

FR 413 SURVEY OF FRENCH LITERATURE
Every Spring/3 hours
Designed to expose the student to French literature civilization and culture; and to advance the student's reading competence.

FR 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

GENRE COURSES

ETL 324 STUDIES IN POETRY
Spring, 1990, and alternate years/3 hours
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: EEW 101, EEW 102.*

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

ETL 409 ADOLESCENT LITERATURE
Every Spring/3 hours
A course for students who wish to read and examine the literature being written for 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.

ETL 413 THE NOVEL
Fall, 1989, and alternate years/3 hours
A study in the development of the novel which includes reading and discussion of novels from different areas of the world. Novels not written in English will be studied in English translations. *Prerequisite: Junior standing.*

ETL 473 CHILDREN'S LITERATURE AND STORYTELLING
Every Fall/3 hours
Also **ETL 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.

ETL 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.



GERMAN

GER 114 ELEMENTARY GERMAN I
Every Fall/4 hours
A program of study using a text-workbook, practice tapes, and classroom experience to develop the fundamentals of understanding, speaking, reading, and writing.

GER 124 ELEMENTARY GERMAN II
Every Spring/4 hours
Continuation of **GER 114**. *Prerequisite: GER 114 or equivalent.*

GER 213 INTERMEDIATE GERMAN I
Every Fall/3 hours
Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. *Prerequisite: GER 124.*

GER 223 INTERMEDIATE GERMAN II
Every Spring/3 hours
Continuation of **GER 213**. *Prerequisite: GER 213 or instructor's approval.*

GER 300 GERMAN CONVERSATION
Every Fall/3 hours
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 301 GERMAN COMPOSITION
Every Spring/3 hours
A course designed to give the student practice in writing in German about current issues and selected topics.

GER 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

GER 413 SURVEY OF GERMAN LITERATURE I
Every Fall/3 hours
Designed to expose the student to modern literature and German civilization, and to advance the student's reading competence.

GER 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

HONORS

HON 104 READINGS FOR HONORS
See course description on page 91.

HON 105 HONORS COMPOSITION AND LITERATURE
See course description on page 92.

HON 201 HONORS COLLOQUIUM
Every semester/1 hour
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 HONORS COLLOQUIUM
Every semester/1 hour
A continuation of **HON 201**. Total credit allowed for **HON 201** and **HON 301** is 4 hours.

HON 450 HONORS THESIS
Every Fall/3-9 hours
Independent research in an area chosen by the Honors student and a professor from his or her major field. Credit hours earned are determined by the department. *Prerequisite: Admittance to the Honors Program.*

JOURNALISM

JRN 213 SMALL NEWSPAPER I
Every semester/3 hours
A course that presents the principles of journalism as they apply to the small newspaper. Laboratory experience provided by the university paper. (3 hours maximum.) *Prerequisite: Instructor's approval.*

JRN 230 NEWS WRITING AND REPORTING
Every semester/3 hours
A course designed for students wishing to learn the basic skills of news writing and reporting.

JRN 300 ADVANCED NEWS WRITING AND REPORTING *Every semester/3 hours*
A course designed for students who have completed JRN 230 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 230 or instructor's approval.*

JRN 313 SMALL NEWSPAPER II
Every semester/3 hours
Continuation of **JRN 213**. (6 hours maximum.)
Prerequisites: JRN 230 and instructor's approval.

JRN 399 PRACTICUM
On demand/1-4 hours
See page 51.

SPANISH

SPA 114 ELEMENTARY SPANISH I
Every Fall/4 hours
A study stressing conversation and the fundamentals of grammar and pronunciation using the TPR method together with cultural and historical information and readings.

SPA 124 ELEMENTARY SPANISH II
Every Spring/4 hours
Continuation of **SPA 114**. *Prerequisite: SPA 114 or equivalent.*

SPA 213 INTERMEDIATE SPANISH I
Every Fall/3 hours
Grammar review covering all tenses and stressing the subjunctive as well as usage and idiomatic expressions. *Prerequisite: SPA 124.*

SPA 223 INTERMEDIATE SPANISH II
Every Spring/3 hours
Continuation of **SPA 213** stressing conversation, culture, some Hispanic civilization and readings in Literature. *Prerequisite: SPA 213.*

SPA 323 ADVANCED SPANISH CONVERSATION
Every Fall/3 hours
A course 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.

SPA 343 SPANISH COMPOSITION
Every Spring/3 hours
A course designed to give the student practice in writing in Spanish about Spanish literature and current issues.

SPA 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

SPA 413 SPANISH LITERATURE
Every Fall/3 hours
Designed to expand the students' knowledge of Spanish literature and civilization, and to advance reading competence. Emphasis on oral self-expression.

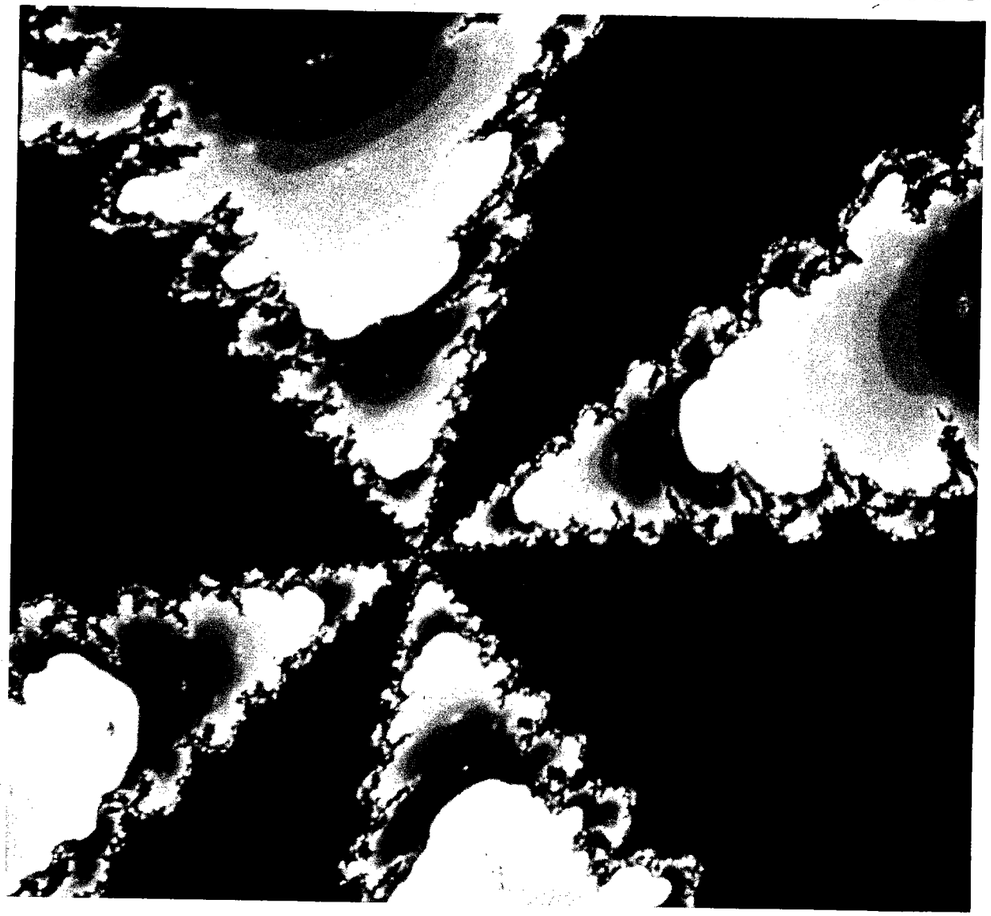
SPA 463 PENINSULAR AND HISPANIC CIVILIZATIONS
Every Spring/3 hours
A chronological study of colonization and civilization of the peninsula and the new world, with emphasis on Mexico.

SPA 483 ADVANCED SPANISH GRAMMAR
Every Fall/3 hours
An intensive grammar course with strong emphasis on correct usage and the nuances related to grammar and translation.

SPA 499 INDEPENDENT STUDY
On demand/1-4 hours
See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

Mathematics



Department Description
Degree Requirements
Mathematics
Mathematics/ Engineering
Course Descriptions

DEPARTMENT DESCRIPTION

The Department of Mathematics provides courses for students who major in mathematics or mathematics for secondary teachers or who choose engineering. It prepares students for graduate study, continuation for an engineering degree, or employment in business, industry, government, or teaching. The department also provides a broad, liberal-arts introduction to mathematics for students having other majors.

The facilities for mathematics include a Computer Center and, in addition, the Dynamical Systems Laboratory where students use computers to study fractals, chaos, and iterations.

The 3:2 engineering program, developed in conjunction with Arizona State University, allows the student to obtain two B.S. degrees in five years: a degree in mathematics from Grand Canyon University and a degree in engineering from ASU. The student spends the first three years at Grand Canyon University completing general education, mathematics, and engineering core courses. The final two years are spent at ASU completing specialized courses in aerospace engineering, chemical engineering, civil engineering, construction engineering, electrical engineering, engineering science, industrial engineering, materials engineering, mechanical engineering, nuclear sciences, or systems engineering.

This is a flexible program. At the end of the third year the student may elect to complete the final two years at ASU or one additional year at Grand Canyon University for a major in mathematics.

DEGREE REQUIREMENTS — MATHEMATICS

REQUIREMENTS FOR A MAJOR IN MATHEMATICS (B.S. DEGREE)

CS 203 Beginning Structured Programming	3 hours
MAT 270, 271, 272 Calculus I, II, and III	12 hours
MAT 275 Linear Algebra	3 hours
MAT 333, 334 Advanced Calculus I, II	6 hours
MAT 363 Probability and Statistics	3 hours
MAT 373 Differential Equations	3 hours
MAT 423 Abstract Algebra	3 hours
PHY 115, 116 University Physics I, II	8 hours
Upper Division Electives (not MAT 404)	12 hours
TOTAL	53 hours

***REQUIREMENTS FOR A MINOR IN MATHEMATICS**

MAT 270, 271 Calculus I, II	8 hours
Electives from MAT 213, 272, CS 203, **or** Upper Division Mathematics. At least 6 hours must be Upper Division	12 hours
TOTAL	20 hours

* Students interested in teaching should take 24 hours for a minor.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS FOR SECONDARY TEACHERS (B.S. DEGREE)

MAT 213 College Geometry	3 hours
MAT 270, 271, 272 Calculus I, II, III	12 hours
MAT 275 Linear Algebra	3 hours
MAT 333 Advanced Calculus I	3 hours
MAT 363 Probability and Statistics	3 hours
MAT 373 Differential Equations	3 hours
MAT 404 Mathematics in the Secondary Schools	3 hours
MAT 423 Abstract Algebra	3 hours
Mathematics Electives	6 hours
Two of the following: CS 203 Beginning Structured Programming; CS 213 Intermediate Structured Programming; PHY 115 University Physics I; PHY 116 University Physics II	6-8 hours
Certification in Secondary Education	36 hours
Minor in subject of choice	18-24 hours
TOTAL	99-107 hours

Refer to College of Education for certification requirements.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS FOR ENGINEERS (B.S. DEGREE)

MAT 270, 271, 272 Calculus I, II, III	12 hours
MAT 275 Linear Algebra	3 hours
MAT 363 Probability and Statistics	3 hours
MAT 373 Differential Equations	3 hours
MAT 434 Complex Analysis	3 hours
MAT 444 Numerical Methods	3 hours
MAT 455 Partial Differential Equations	3 hours
EGN 105 Introduction to Languages of Engineering	3 hours
EGN 106 Introduction to Computer-Aided Engineering	3 hours
EGN 211 Statics	3 hours
EGN 312 Dynamics	3 hours
PHY 115, 116 University Physics I, II	8 hours
CHE 114, 115 General Chemistry I, II	8 hours
CHE 424, 425 Physical Chemistry I, II	8 hours
TOTAL	66 hours



Suggested Curriculum Plan*

Freshman Year

FALL	hours
MAT 270 (Calculus I)	4
CHE 114 (Gen Chem I)	4
EEW 101 (English)	3
EGN 105 (Intro to Engineering Languages)	3
PE (Physical Education)	1
SPRING	**hours**
MAT 271 (Calculus II)	4
CHE 115 (Gen Chem II)	4
EEW 102 (English)	3
EGN 106 (Comp Aided Design)	3
PE (Physical Education)	1

Sophomore Year

FALL	hours
MAT 272 (Calculus III)	4
PHY 115 (Physics I)	4
MAT 275 (Lin Algebra)	3
BIB 113 (Old Testament)	3
Elective in Humanities	3
SPRING	**hours**
MAT 373 (Diff Eq)	3
PHY 116 (Physics II)	4
MAT 434 (Compl Anal)	3
BIB 123 (New Testament)	3
SOC Elective (Social Studies)	3

Junior Year

FALL	hours
EGN 211 (Statics)	3
MAT 455 (Part Diff Eq)	3
CHE 424 (Phys Chem I)	3
ECO 201 (Economics)	3
HIS Elective (History)	3
SPRING	**hours**
EGN 312 (Dynamics)	3
MAT 444 (Numer Meth)	3
CHE 425 (Phys Chem II)	3
MAT 363 (Prob & Stat)	3
SPC 113 (Speech)	3

* Those who choose chemical or construction engineering should see their engineering advisor for a modification of this plan.

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 095 ELEMENTARY ALGEBRA
Every Fall/3 hours
Basic concepts of Algebra for students with inadequate preparation in mathematics. Does not satisfy the general education requirement in mathematics or apply to graduation requirements.

MAT 113 LIBERAL ARTS MATHEMATICS
Every semester/3 hours
An introduction to various mathematical concepts, with emphasis on the methods and processes of mathematics. Topics from sets, logic, functions, and mathematical systems are included. Recommended for majors in elementary education.

MAT 120 INTERMEDIATE ALGEBRA
Every semester/3 hours
Topics from basic algebra: linear equations, polynomials, quadratic equations, systems of equations, exponents, roots, and radicals. *Prerequisites: Placement counseling and MAT 095 or one year of high school algebra.*

MAT 121 COLLEGE ALGEBRA AND TRIGONOMETRY *Every semester/4 hours*
A precalculus course on topics in algebraic properties of elementary functions, and trigonometry. *Prerequisites: Placement counseling and MAT 120 or two years of high school algebra.*

MAT 210 BUSINESS CALCULUS
Every Spring/4 hours
Differential and integral calculus of elementary functions. Focus is on applications. *Prerequisite: MAT 121 or instructor's approval.*

MAT 213 COLLEGE GEOMETRY
Spring, 1991, and alternate years/3 hours
A course in the technique of construction and the procedure of proofs of common geometric figures, particularly adapted to the needs of future teachers of high school mathematics. A brief introduction to non-Euclidean geometry is also included.

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

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

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

MAT 275 LINEAR ALGEBRA
Every Fall starting 1989/3 hours
An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. *Prerequisite: MAT 271 or instructor's approval.*

MAT 315 DISCRETE MATHEMATICS
Every Fall/3 hours
A blend of discrete and continuous mathematics to facilitate the controlled manipulation of formulas by using a collection of techniques for solving problems. Topics include recurrences, elementary number theory, generating functions, discrete probability, and asymptotic methods. *Prerequisite: MAT 271.*

MAT 333 ADVANCED CALCULUS I
Every Fall/3 hours
Sets, functions, the real numbers, topological ideas, sequences, limits, continuity, and differentiation. *Prerequisite: MAT 272.*

MAT 334 ADVANCED CALCULUS II
Every Spring/3 hours
Integration, series, uniform convergence and selected additional topics in analysis. *Prerequisite: MAT 333.*

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

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

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

MAT 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

MAT 404 MATHEMATICS IN THE SECONDARY SCHOOL *Every Fall/3 hours*
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, 271.*

MAT 423 ABSTRACT ALGEBRA *Fall, 1989, and alternate years/3 hours*
An introduction to algebraic structures with particular emphasis on group theory. *Prerequisite: MAT 272 or instructor's approval.*

MAT 434 COMPLEX ANALYSIS *Every Spring/3 hours*
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 444 NUMERICAL METHODS *Every Spring/3 hours*
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: CS 203, MAT 271, and instructor's approval.*

MAT 455 PARTIAL DIFFERENTIAL EQUATIONS *Every Fall/3 hours*
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 473 ADVANCED TOPICS IN MATHEMATICS *On demand/3 hours*
Upper Division topics in mathematics will be offered according to student needs. May be repeated for credit. *Prerequisites: Junior or Senior standing and instructor's approval.*

MAT 475 ADVANCED LINEAR ALGEBRA *On demand/3 hours*
A more advanced treatment of the topics of MAT 275 including vector spaces, theory of linear transformation, similarity, canonical forms, matrix decompositions, quadratic forms, and selected additional topics. *Prerequisite: MAT 275.*

MAT 498 RESEARCH IN MATHEMATICS *Every semester/1-3 hours*
A detailed study of one or more problems in mathematics. May be repeated for up to 9 hours of credit, 3 of which may count toward electives in mathematics. *Prerequisite: Consultation with and instructor's approval.*

MAT 499 INDEPENDENT STUDY *Every semester/1-4 hours* See page 51.

TUT 300/400 VOLUNTEER TUTORING *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

ENGINEERING

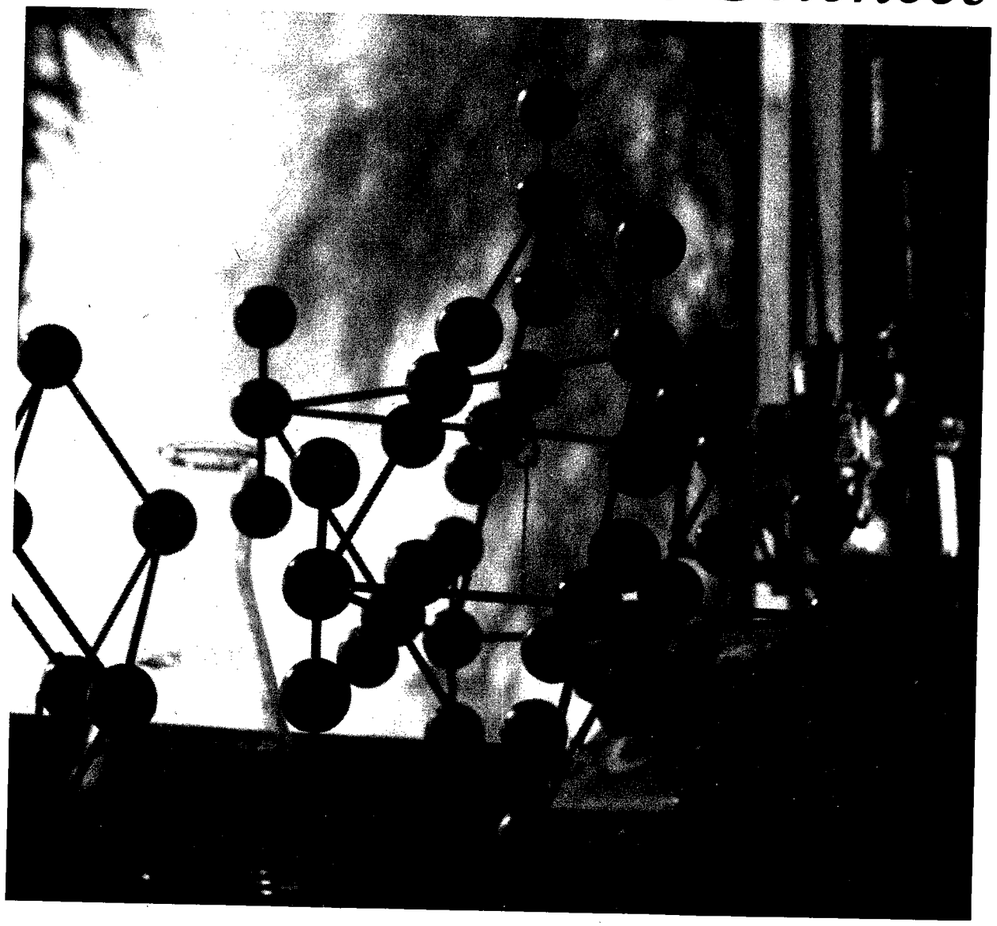
EGN 105 INTRODUCTION TO LANGUAGES OF ENGINEERING *Every Fall/3 hours*
Computer programming using Fortran-77, freehand drawing, visualization and computer graphics.

EGN 106 INTRODUCTION TO COMPUTER-AIDED ENGINEERING *Every Spring/3 hours*
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 ENGINEERING MECHANICS I: STATICS *Every Fall starting 1989/3 hours*
Statics involves the study of forced systems, resultants, equilibrium, distributed forces, area moments, internal stresses and friction. *Prerequisites: MAT 272, MAT 373, PHY 116.*

EGN 312 ENGINEERING MECHANICS II: DYNAMICS *Every Spring starting 1990/3 hours*
Dynamics involves the study of the kinematics of particles, translating and rotating coordinate systems, rigid body kinematics, and energy/momentum principles. *Prerequisite: EGN 211.*

Natural Sciences



Department Description
Requirements - Premedical
Degree Requirements
Biology
Chemistry
Science Teaching
Course Descriptions

DEPARTMENT DESCRIPTION

The Department of Natural Sciences provides courses for students who specialize in 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 provides 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.

All departmental majors must take the Graduate Record Examination in either biology or chemistry during their senior year. Alternatively, if approved in advance by the Premedical Committee, they may take either the Medical College Admission Test, the Veterinary College Admission Test, or the Dental Admission Test.

REQUIREMENTS - PREMEDICAL

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. Medical schools prefer students who have diverse interests.

For favorable 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	8 hours
CHE	114, 115 General Chemistry	8 hours
CHE	324, 325 Organic Chemistry	8 hours
PHY	111, 112 **or** PHY 115, 116 Physics	8 hours
EEW	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 is important in the health sciences including courses in psychology, sociology, and the humanities. In addition, electives from the following list should be considered:

BIO 205 Microbiology
BIO 223 Vertebrate Zoology
BIO 324 Genetics
BIO 364 Vertebrate Physiology
BIO 373 Mammalian Anatomy
BIO 411 Cell Biology
BIO 434 Developmental Biology
CHE 314 Analytical Chemistry
CHE 351 Biochemistry
MAT 270 Analytical Geometry and Calculus I
MAT 271 Analytical Geometry and Calculus II

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 pre-medical 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. Programs in physical therapy, for example, require Human Anatomy and Physiology in addition to General Biology. Consult with your advisor about requirements for specific fields.



DEGREE REQUIREMENTS - BIOLOGY

REQUIREMENTS FOR A MAJOR IN BIOLOGY (B.S. DEGREE)

BIO	181, 182 General Biology I, II	8 hours
BIO	324 Genetics	4 hours
BIO	364 Vertebrate Physiology	4 hours
BIO	381 Ecology	4 hours
BIO	Senior Seminar	1 hour
Electives in Biology		12 hours
CHE	114, 115 General Chemistry I, II	8 hours
CHE	324, 325 Organic Chemistry I, II	8 hours
PHY	111, 112 **or** 115, 116 Physics I, II	8 hours
SPC	113 Fundamentals of Speech	3 hours
	TOTAL	60 hours

We also *recommend* that biology majors take some or all of the following:

BIO 219 Invertebrate Zoology
BIO 223 Vertebrate Zoology
BIO 411 Cell Biology
CHE 351 Biochemistry
CS 133 Introduction to Computer Science
MAT 270, 271 Calculus I and II
A course in Probability and Statistics

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 most or all of the recommended courses. 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.

REQUIREMENTS FOR A MAJOR IN BIOLOGY WITH ENVIRONMENTAL EMPHASIS (B.S. DEGREE)

BIO	181, 182 General Biology I, II	8 hours
BIO	289 Field Biology	4 hours
BIO	324 Genetics	4 hours
BIO	364 Vertebrate Physiology	4 hours
BIO	381 Ecology	4 hours
Two of the following:		8 hours
BIO	219 Invertebrate Zoology	
BIO	223 Vertebrate Zoology	
BIO	374 Aquatic Ecology	
BIO	384 Human Ecology	
BIO	401 Senior Seminar	1 hour
CHE	114, 115 General Chemistry I, II	8 hours
CHE	324, 325 Organic Chemistry I, II	8 hours
PHY	111, 112 **or** 115, 116 Physics I, II	8 hours
SPC	113 Fundamentals of Speech	3 hours
	TOTAL	60 hours

REQUIREMENTS FOR A MAJOR IN BIOLOGY FOR SECONDARY TEACHERS (B.S. DEGREE)

BIO	181, 182 General Biology I, II	8 hours
BIO	324 Genetics	4 hours
BIO	364 Vertebrate Physiology	4 hours
One of the following:		4 hours
BIO	289 Field Biology	
BIO	381 Ecology	
BIO	401 Senior Seminar	1 hour
Electives in Biology		12 hours
CHE	101, 102 Introduction to Chemistry (unless Chemistry minor) **or** CHE 114, 115 General Chemistry I, II (required for Chemistry minors)	8 hours
PHY	111 **or** 112 General Physics I, II	4 hours
*Certification in Secondary Education		36 hours
Minor in Chemistry, Psychology, Humanities **or** other subject		18 hours
	TOTAL	99 hours

*Refer to College of Education for certification requirements.

*REQUIREMENTS FOR A MINOR IN BIOLOGY

BIO	181, 182 General Biology I, II	8 hours
Electives in Biology including 6 hours Upper Division		12 hours
	TOTAL	20 hours

* Students interested in teaching should take 24 hours for a minor.

DEGREE REQUIREMENTS - CHEMISTRY

REQUIREMENTS FOR A MAJOR IN CHEMISTRY (B.S. DEGREE)

CHE 114, 115 General Chemistry I, II	8 hours
CHE 324, 325 Organic Chemistry I, II	8 hours
CHE 314 Analytical Chemistry	5 hours
CHE 351 Biochemistry	4 hours
CHE 401 Senior Seminar	1 hour
CHE 424, 425 Physical Chemistry I, II	8 hours
MAT 270, 271 Calculus I, II	8 hours
PHY 115, 116 Physics I, II	8 hours
TOTAL	50 hours

*REQUIREMENTS FOR A MINOR IN CHEMISTRY

CHE 114, 115 General Chemistry I, II	8 hours
CHE 324, 325 Organic Chemistry I, II	8 hours
Elective in Chemistry	4 hours
TOTAL	20 hours

*Students interested in teaching should take 24 hours for a minor.

DEGREE REQUIREMENTS - SCIENCE TEACHING

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.

REQUIREMENTS FOR A MAJOR IN SCIENCE TEACHING (B.S. DEGREE)

BIO	181, 182 General Biology I and II	8 hours
CHE	101 Introduction to Chemistry	4 hours
CHE	102 Introduction to Organic and Biochemistry	4 hours
CS	133 Intro to Computer Science	3 hours
GLG	114 General Geology	4 hours
PHY	106 Astronomy	4 hours
PHY	111, 112 General Physics I and II	8 hours
Elective in Biology		4 hours
*Major in Elementary Education		47 hours
	TOTAL	86 hours

REQUIREMENTS FOR A MINOR IN SCIENCE TEACHING

BIO	181, 182 General Biology	8 hours
CHE	101 Introduction to Chemistry	4 hours
PHY	106 Astronomy **or** PHY 111 **or** 112 Physics I, II	4 hours
Electives in Biology, Chemistry, Physics, **or** Geology		8 hours
*Major in Elementary Education		47 hours
	TOTAL	71 hours

*Refer to College of Education for certification requirements.

BIOLOGY

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

BIO 150 HUMAN BIOLOGY
Every semester/4 hours
A complete overview of the science of biology from a human perspective. Topics include cells, energetics, ecology, inheritance, evolution, embryology, anatomy and physiology. 3 hrs lecture, 3 hrs lab. This course does not apply toward the biology major.

BIO 181 GENERAL BIOLOGY I
Every Fall/4 hours
A comprehensive introduction to biology for science majors. The first semester will cover cellular biology, genetics, taxonomy and a survey of the plant kingdom. 3 hrs lecture, 3 hrs lab.

BIO 182 GENERAL BIOLOGY II
Every Spring/4 hours
Continuation of **BIO 181** with emphasis on reproduction, development, population dynamics, ecology, evolution, and animal anatomy and physiology. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 181 or instructor's approval.*

BIO 201 HUMAN ANATOMY AND PHYSIOLOGY I
Every Fall/4 hours
A study of the structure and function of the following human systems: nervous, endocrine, reproductive, and digestive. 3 hrs lecture, 3 hrs lab. No credit for biology majors (except those in physical therapy). They take BIO 373 and BIO 364 instead.

BIO 202 HUMAN ANATOMY AND PHYSIOLOGY II
Every Spring/4 hours
A study of the structure and function of the following human systems: skeletal, muscular, cardiovascular, respiratory and urinary. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 201 or instructor's approval.* No credit for biology majors (except those in physical therapy). They take BIO 373 and BIO 364 instead.

BIO 205 MICROBIOLOGY
Every semester/4 hours
An introduction to the principles and applications of microbiology, with a study of the general characteristics of micro-organisms and their relationship to man. Laboratory exercises include techniques of identification and handling of micro-organisms. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, BIO 182 or instructor's approval.*

BIO 219 INVERTEBRATE ZOOLOGY
Every Fall/4 hours
A comprehensive survey of 96 percent of the Kingdom Animalia, the invertebrates. The emphasis is on free-living and parasitic invertebrates important to humans and their domestic animals. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182.*

BIO 223 VERTEBRATE ZOOLOGY
Every Spring/4 hours
A continuation of **BIO 219**. A comprehensive survey of the vertebrates with the emphasis on phylogeny, paleontology, and comparative zoology. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182.*

BIO 289 FIELD BIOLOGY
Spring, 1991/4 hours
A study of the basic field relationships of plants and animals. This course includes the basic concepts of plant and animal science and basic ecology. The student will learn the methods of field study, observation, classification, identification, collection, and preservation. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182.*

BIO 324 GENETICS
Every Spring/4 hours
A comprehensive examination of the principles of heredity and variation, including Mendelian genetics, molecular genetics, and population genetics. Laboratory studies will emphasize both classical and molecular genetic techniques. *Prerequisites: BIO 181, 182, or instructor's approval.*

BIO 364 VERTEBRATE PHYSIOLOGY
Every Spring/4 hours
A study of the functions of cells, organs, and systems of vertebrates, with the emphasis on humans. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182.*

BIO 373 MAMMALIAN ANATOMY
Every Fall/2 hours
A laboratory study of the structure of mammals, with the emphasis on humans. The course includes a dissection of human cadavers. 6 hrs lab. *Prerequisites: BIO 181, 182.*

BIO 374 AQUATIC ECOLOGY
Spring, 1991, and alternate years/4 hours
An ecological study of the plants and animals which live in and around water. The effect of man on aquatic ecosystems, and the water needs of man. Laboratory investigation in water analysis and aquatic ecosystems survey techniques. *Prerequisites: BIO 181, 182.*

BIO 381 ECOLOGY
Every Fall/4 hours
A study of theoretical and applied ecology. Adaptations of organisms to their physical and biological environments, including predation, competition, and life history patterns. Other topics include ecological genetics and evolution, and the ecology of populations, communities and ecosystems. *Prerequisites: BIO 181, 182.*

BIO 384 HUMAN ECOLOGY
Fall, 1989, and alternate years/4 hours
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.

BIO 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

BIO 399 PRACTICUM
On demand/1-4 hours See page 51.

BIO 401 SENIOR SEMINAR
Every semester/1 hour
All seniors are required to prepare and present a scholarly seminar before the science faculty and students.

BIO 411 CELL BIOLOGY
Every Fall/4 hours
A comprehensive study of the composition, structure, regulation, and growth of eukaryotic cells. Laboratory exercises will introduce techniques used in cell biological research. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182.*

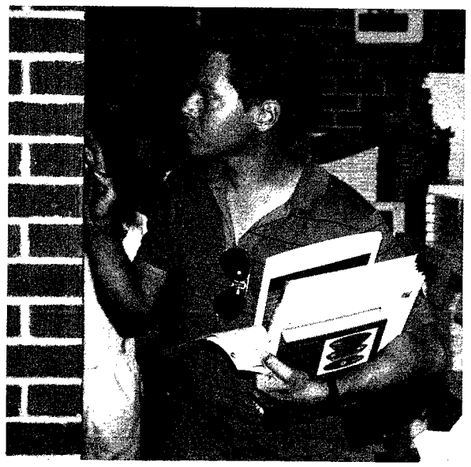
BIO 434 DEVELOPMENTAL BIOLOGY
Every Spring/4 hours
A comprehensive examination of topics in developmental biology, including genetic regulation, nucleocytoplasmic interactions, morphogenesis, pattern formation, cell differentiation, and neoplasia. The laboratory will emphasize modern techniques used in cell and molecular biology. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182.*

BIO 473 ADVANCED TOPICS IN BIOLOGY
Every Fall/1-4 hours
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
Every semester/1-3 hours
A detailed study of one or more biological problems. May be repeated for up to 9 hours of credit, 3 of which may count toward electives in biology. *Prerequisites: BIO 181, 182, consultation with and instructor's approval.*

BIO 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.



CHEMISTRY

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

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

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

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

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

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

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

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

CHE DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

CHE PRACTICUM
399 *On demand/1-4 hours* See page 51.

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

CHE PHYSICAL CHEMISTRY I
424 *Every Fall/4 hours*
A study of the physical and chemical behavior of gases, liquids, solids, and solutions. Treatment includes thermodynamics, electrochemistry, and the kinetic molecular theory of ideal and non-ideal gases. 3 hrs lecture, 3 hrs lab. *Prerequisites: CHE 115 and MAT 271.*

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

CHE RESEARCH IN CHEMISTRY
498 *Every semester/1-3 hours*
A detailed study of one or more chemical problems. May be repeated for up to 9 hours of credit. *Prerequisite: Consultation with and instructor's approval.*

CHE INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

GEOLOGY

GLG GENERAL GEOLOGY
114 *Every Spring/4 hours*
An introduction to physical and historical geology with an emphasis on the geology of Arizona. The relation of geology to man's cultural and economic development is stressed. Field and laboratory experiences. Will count as a laboratory science for general studies.

PHYSICS

PHY ASTRONOMY
106 *Every Fall/4 hours*
A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the nonscientific student; designed to develop an appreciation and understanding of the natural laws of the universe. 3 hrs lecture, 3 hrs lab.

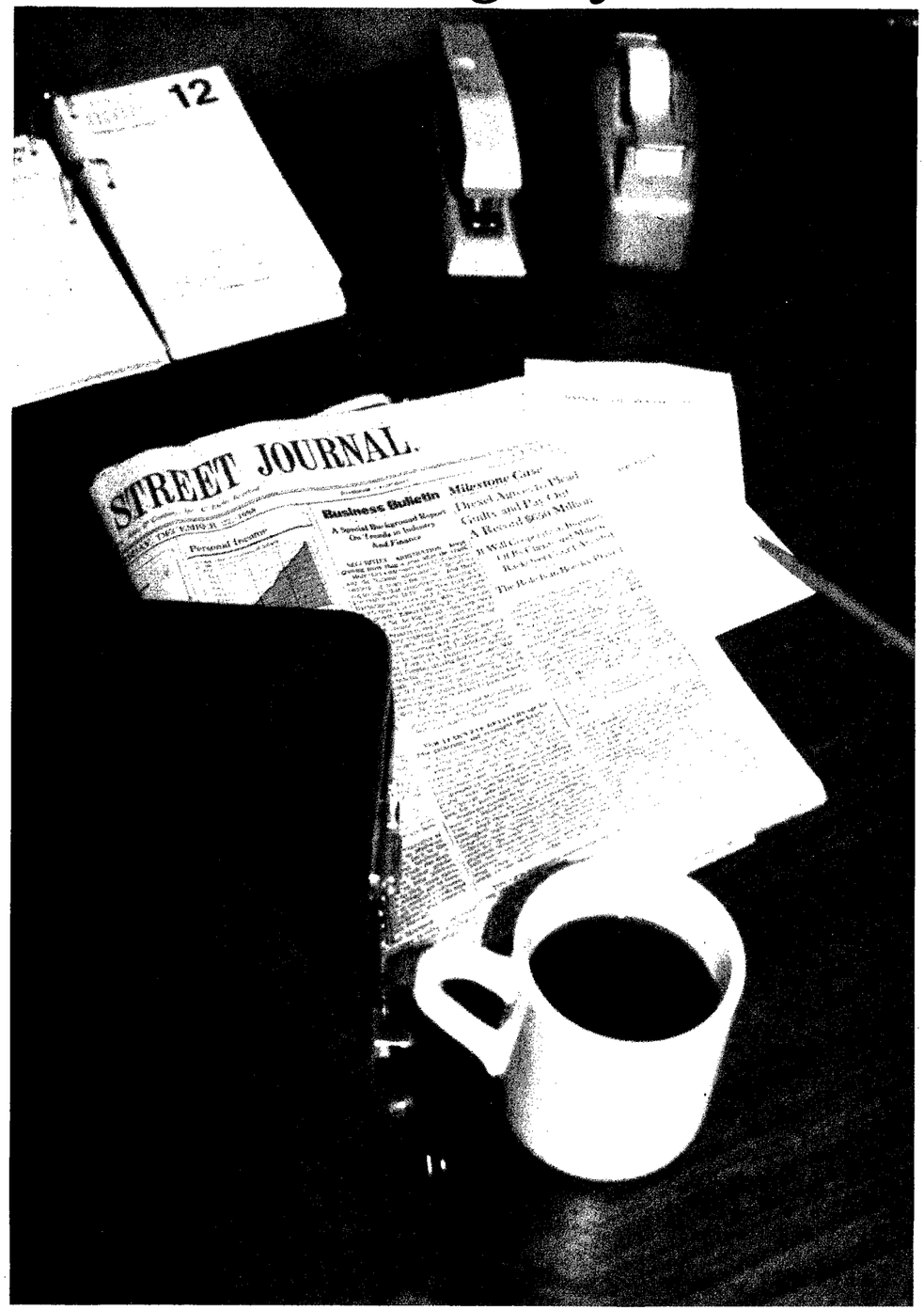
PHY GENERAL PHYSICS I
111 *Every Fall/4 hours*
Survey of physical principles and concepts, using mathematical descriptions based on algebra and trigonometry. Topics covered include force and motion, physical properties of materials, and thermodynamics. 3 hrs lecture, 3 hrs lab.
Prerequisite: MAT 121.

PHY GENERAL PHYSICS II
112 *Every Spring/4 hours*
Continuation of **PHY 111**. Topics covered include wave motion, electrostatics, optics, and magnetism. 3 hrs lecture, 3 hrs lab.
Prerequisite: PHY 111.

PHY UNIVERSITY PHYSICS I
115 *Every Fall/4 hours*
Rigorous treatment of physical principles and concepts using mathematical descriptions based on calculus. Topics covered include mechanics, thermodynamics, and wave motion. 3 hrs lecture, 3 hrs lab. *Prerequisite: MAT 271.*

PHY UNIVERSITY PHYSICS II
116 *Every Spring/4 hours*
Continuation of **PHY 115**. Topics covered include electromagnetism, optics, and quantum theory. 3 hrs lecture, 3 hrs lab.
Prerequisite: PHY 115.

College of Business



College Description
Application Procedures
Internship Guidelines
General Business Requirements
Degree Requirements
Accounting
Business Administration
Business Education
International Business
Management
Economics
Finance
Human Resources Development
Marketing
Course Descriptions

COLLEGE DESCRIPTION

The goals of the College of Business are to provide students with knowledge of the essential areas of business and an opportunity to major in one of its areas of concentration which include: Accounting; Business Administration with tracks in Business Education, International Business, and Management; Economics; Finance; Human Resources Development; and Marketing. To prepare students for the 1990's and beyond, all programs have put special emphasis on four areas: applied ethics, communication skills, global awareness, and "real" world applications.

The emphasis on ethics is implemented by both a required course in "Ethics for the Professions" and sections in each course which raise ethical questions related to that particular area of business. In the area of communications, in addition to the basic English courses, courses in speech and business communications are required. More importantly, each course in the College of Business requires a minimum of 10 pages of written assignments and oral presentations. The way to become a good communicator is through repeated practice. Global awareness is provided within the curriculum by a combination of course work, including a required course in World Economic History, and a number of discipline-dependent international courses. The international implications are covered in every applicable course. Finally, an awareness of the real world application is created by encouraging internships for the students, making sure that a significant part of the faculty have line management experience, and by the discussion of live cases derived from ongoing consulting activities.

The Business Internship System in the College of Business provides students an opportunity to receive academic credit for selective work experience. While not required for all business majors, it is highly recommended by the faculty to broaden the student's knowledge base and provide critical experience with other professionals in the workplace.

Research findings indicate that interns have a distinct advantage over their peers in the labor market — they use informal job sources significantly more, receive more positive evaluations from organizational recruiters, accept higher salaried positions, and express greater satisfaction with accepted positions.

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

The *business administration major* provides three different tracks: business education, international business, and management.

The *Business Education Track* provides the student with a combination business and education degree which may lead to a secondary teaching credential. (See College of Education section of the catalog for information on obtaining a teaching credential.) The *International Business Track* draws heavily on the other majors and provides the student with a broad background in international business as preparation for a position in government or business. The *Management Track* provides the student with additional course work in the area of management. This track prepares the student for positions in business or industry which may lead to management positions. This track does not guarantee the student a management position upon entering a business. Management positions are always earned through demonstrated skills and hard work.

The *economics major* has as its objective the preparation of students who plan to enter general business or government. This degree is also an excellent preparation for the study of Law or other graduate study.

The *finance major* has as its objective the preparation of students who plan to enter the finance organizations of banks, leasing companies, government agencies, or other business entities. The emphasis is on applications, and extensive use is made of computer applications.

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

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

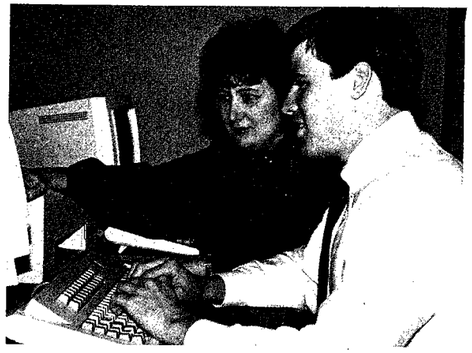
The College of Business strives to challenge students in their broad academic pursuits and to encourage their personal development of Christian values and their concern for ethical business practices.

NOTE: The Direct Transfer Plan from accredited community colleges does not apply to the College of Business Program(s).

APPLICATION PROCEDURES

In order to become a candidate for any business major in the College of Business, the student must be admitted to the College of Business. The student must have satisfied the following minimum requirements in order to be considered for admission:

1. Completion of the Lower Division business core.



2. Completion of the math requirement(s) for the specific business degree program.
3. Overall GPA of 2.5 or better for all college work.
4. Formal application for admission submitted to the College of Business.
5. Passing the Writing Proficiency Exam.

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

Application forms may be obtained through the College of Business. Application forms are not required for business minors or students from other areas of study within the University. Admission to Grand Canyon University does not guarantee acceptance into the College of Business.

NOTE: All students graduating with a major offered in the College of Business must meet the requirements for that major as listed in the catalog in effect when they first attended Grand Canyon University or the 1986-88 catalog, whichever is more recent. (Extensive changes in the 1986-88 catalog make prior catalogs obsolete.)

INTERNSHIP GUIDELINES

Internships are available in Fall and Spring semesters (not in Summer or January Term) for any discipline taught in the College of Business. In order to make adequate arrangements for an internship, the student should see the Director on 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 with the same organization, and in such a case, 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 with a different company.
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 earn a credit or non-credit based upon an evaluation by the organization's advisor regarding satisfactory completion of conditions outlined in a letter of agreement from the sponsoring organization, except for Human Resources Development interns who receive a letter grade evaluated against 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 HRD interns), but internships for less than 3 hours credit may be arranged.

GENERAL CURRICULUM FOR COLLEGE OF BUSINESS DEGREE PROGRAMS

General Studies Requirements	40 hours
Lower Division Business Core	21-23 hours
Upper Division Business Core	19 hours
Major Concentration	21-35 hours
Electives (Minimum of 13 hours must be outside of business)	11-28 hours
TOTAL	128 hours

PRESCRIBED GENERAL STUDIES PROGRAM — ALL BUSINESS MAJORS

CHRISTIAN STUDIES 6 hours
- BIB 113 Old Testament History
- BIB 123 New Testament History

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

HUMANITIES 6 hours
- PHI 311 Ethics for the Professions
- SPC 113 Fundamentals of Speech

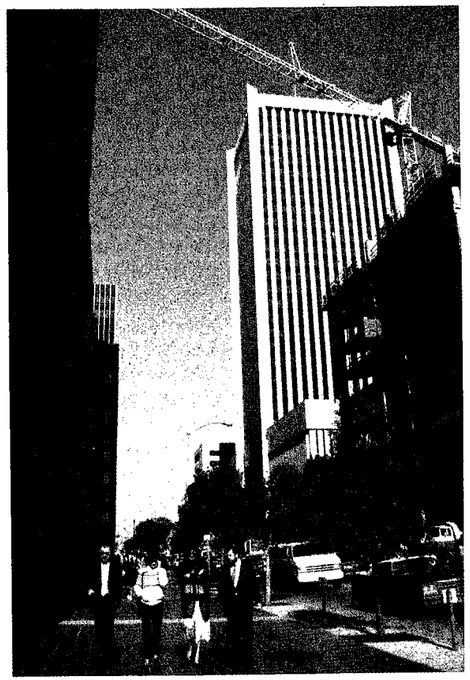
SOCIAL STUDIES 9 hours
- *HIS Elective
- ECO 220 History of World Economic Dev
- Choice of Gov't/Polit Science, Psych, Sociology, or Geography

SCIENCES 11 hours
- **MAT 121 College Algebra
- CS 133 Introduction to Computer Science
- Lab Science (Must be 4 hours)

PHYSICAL EDUCATION 2 hours
- Must be activity courses in two different sports

TOTAL 40 hours

* HIS 101, HIS 102, HIS 103 or HIS 104 (HIS 102 or HIS 104 recommended)
** Or Business Calculus or Calculus I



LOWER DIVISION BUSINESS CORE ALL BUSINESS MAJORS

ACCOUNTING 6 hours
ACC 211 Financial Accounting
ACC 212 Managerial Accounting

ECONOMICS 6 hours
ECO 201 Macro Economics
ECO 202 Micro Economics

LOGIC-LANGUAGE OPTION 6-8 hours
I. PHI 215 Principles of Logic
and a choice of
CS Elective (computer language)
or FIN 307
OR
II. 2 semesters of a modern
foreign language (See catalog)

STATISTICS 3 hours
BUS 251 Business Statistics

TOTAL 21-23 hours

UPPER DIVISION BUSINESS CORE ALL BUSINESS MAJORS

ENVIRONMENTAL, INTEGRATING & SUPPORTING 10 hours
BUS 307 Business Communications **or**
BUS 308 Business/Technical Writing
BUS 310 Business Law I
*BUS 409 Preparation for Employment
BUS 480 Business Policy

FUNCTIONAL AREAS 9 hours
FIN 301 Business Finance
MGT 301 Principles of Management
MKT 301 Principles of Marketing

TOTAL 19 hours

* Not required for Business Education Track.

PROPOSED COURSE PROGRAM

SUGGESTED PROGRAM FOR BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Freshman and sophomore years — all business majors

Freshman Year

	Fall	Jan.	Spring
BIB 113, 123	3		3
EEW 101, 102	3		3
MAT 121, Lab Science	4		4
History Elective, CS 133	3		3
PE	1		1
Electives (Jan Term Optional)	3	(3)	3
TOTALS	17	(3)	17

Sophomore Year

	Fall	Spring
ACC 211, 212	3	3
Logic/Language option (see major)	3-4	3-4
BUS 251, ECO 220	3	3
ECO 201, 202	3	3
Soc. Stud. Elective, SPC 113	3	3
TOTALS	15-16	15-16

DEGREE REQUIREMENTS — ACCOUNTING

REQUIREMENTS FOR A MAJOR IN ACCOUNTING (B.S. DEGREE)

*General Studies for Business 40 hours
Free Electives 24 hours
Lower Division Business Core 21 hours
(Logic Option I required)
Upper Division Business Core 19 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 Accounting
Choice of Acctg Theory, Tax Research, Gov'tl & Instit Acctg, **or** Independent Study
BUS 315 Business Law II

TOTAL 128 hours

* Business Calculus required

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, MKT 301	3		3
BUS 310, BUS 315	3		3
ACC 321, ACC 322	3		3
ACC 331, MGT 301	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
ACC 351, ACC Elect	3		3
ACC 383, ACC 481	3		3
Electives	6	(3)	6
TOTALS	13	(3)	15

DEGREE REQUIREMENTS — BUSINESS ADMINISTRATION

REQUIREMENTS FOR INTERNATIONAL BUSINESS TRACK (B.S. DEGREE)

General Studies for Business 40 hours
Must include GOV 323
Free Electives 17-21 hours
Lower Division Business Core 27-31 hours
*Language option II requirement
Upper Division Business Core 19 hours
International Business Core 21 hours
BUS 315 Business Law II
BUS 375 International Business Relations or International elective
ECO 422 International Trade & Exchange
FIN 305 Speculative Markets
FIN 425 International Finance
MGT 421 International Management
MKT 425 International Marketing

TOTAL 128 hours

* Modern foreign language proficiency (4 semesters credit (12-16 hours) or equivalent on proficiency exam).

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, MKT 301	3		3
BUS 310, BUS 315	3		3
MGT 301, Elective	3		3
Elect, FIN 305, Elect	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
FIN 425, MGT 421	3		3
ECO 422, MKT 425	3		3
Elect, BUS 375, Elect	6	(3)	6
TOTALS	13	(3)	15

REQUIREMENTS FOR BUSINESS EDUCATION TRACK (B.S. DEGREE)

General Studies for Business/Education 46 hours

CHRISTIAN STUDIES
BIB 113 Old Testament History
BIB 123 New Testament History

ENGLISH
EEW 101 Grammar & Composition
EEW 102 Composition & Literature

HUMANITIES
SPC 113 Fundamentals of Speech for Teachers
PHI 311 Ethics for the Professions

SOCIAL STUDIES
Choice of American History
ECO 220 Hist of World Economic Dev
GOV 203 Federal & AZ Government
PSY 101 General Psychology
PSY 373 Adolescent Psychology

SCIENCES
*MAT 121 College Algebra
CS 133 Intro to Computer Science
One Lab Science (Must be 4 hours)

PHYSICAL EDUCATION
(Must be different activity courses)

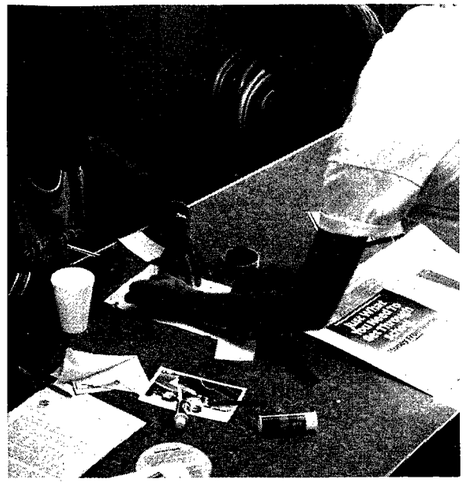
Lower Division Business Core 21-23 hours
See logic-language option
Upper Division Business Core 18 hours
Business Education 9 hours
Upper Division Business elective
Marketing elective
BUS 400 Internship **or** Upper Division Business elective
Professional Education 36 hours
EDU 303 Foundations of Education
EDU 313 Educational Psychology
EDU 363 Instructional Media
EDU 413 Tests & Measurements
EDU 420 Orientation to Student Teaching
EDU 430 Classroom Management
SED 442 Secondary Methods
SED 443 Secondary Curriculum Development
**SED 452 Reading in Secondary School
**SED 462 Reading Practicum in Sec School
SED 480 Student Teaching: Sec School
SPE 323 Orient to the Exceptional Child

TOTAL 130-132 hours

* Or Business Calculus
** 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).



REQUIREMENTS FOR MANAGEMENT TRACK (B.S. DEGREE)

General Studies for Business	40 hours
Free Electives	25-27 hours
Lower Division Business Core	21-23 hours
See logic-language option	
Upper Division Business Core	19 hours
Management Core	12 hours
BUS 320 Organizational Realities	
MGT 321 Human Resource Management	
MGT 415 Organizational Behavior	
MGT 421 International Management	
Electives from the following:	9 hours
BUS 315 Business Law II	
BUS 375 International Business Relations	
ECO 333 Managerial Economics	
ECO 422 International Trade & Exchange	
FIN 401 Business Finance II	
FIN 405 Financial Institutions	
HRD 304 Business Conference Leadership	
MGT 311 Leadership	
MKT 410 Retail Management	
MKT 480 Marketing Management	
TOTAL	128 hours

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, MKT 301	3		3
BUS 310, B/E	3		3
MGT 301, MGT 321	3		3
B/E, BUS 320, B/E	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
MGT 421, MGT 415	3		3
Electives	9	(3)	9
TOTALS	13	(3)	15

B/E: Business Elective

REQUIREMENTS FOR A MINOR IN BUSINESS

General Studies for Business Minor
(Courses should fit in with general studies program):

CS 133 Intro to Computer Science	
PHI 311 Ethics for the Professions	
Business Core	
ACC 211 Financial Accounting	3 hours
ACC 212 Managerial Accounting	3 hours
ECO 201 Macro Economics	3 hours
ECO 202 Micro Economics	3 hours
Choice from Upper Division Business electives	9 hours
TOTAL	21 hours

DEGREE REQUIREMENTS — ECONOMICS

REQUIREMENTS FOR A MAJOR IN ECONOMICS (B.S. DEGREE)

*General Studies for Business	40 hours
Free Electives	25-27 hours
Lower Division Business Core	21-23 hours
See logic-language option	
Upper Division Business Core	19 hours
Economics Core	21 hours
ECO 332 Price Theory	
ECO 333 Managerial Economics	
ECO 363 Money & Banking	
Electives from the following:	12 hours
ECO 321 Economic Growth & Development	
ECO 422 International Trade & Exchange	
ECO 423 Comparative Economic Systems	
ECO 430 Public Finance	
ECO 433 Industrial Organization	
ECO 444 Econometrics	
FIN 305 Speculative Markets	
FIN 405 Financial Institutions	
TOTAL	128 hours

* Business Calculus required

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, MKT 301	3		3
BUS 310, B/E	3		3
MGT 301, B/E	3		3
ECO 332, ECO 333	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
ECO 363, B/E	3		3
B/E, Elective	3		3
Electives	6	(3)	6
TOTALS	13	(3)	15

B/E: Business Elective

REQUIREMENTS FOR A MINOR IN ECONOMICS

General Studies for Economics Minor (Courses should fit in with general studies program):

CS 133 Intro to Computer Science	
ECO 220 History of World Economic Development	
Business Core	
ECO 201 Macro Economics	3 hours
ECO 202 Micro Economics	3 hours
Choice from Upper Division Economics electives	12 hours
TOTAL	18 hours

DEGREE REQUIREMENTS — FINANCE

REQUIREMENTS FOR A MAJOR IN FINANCE (B.S. DEGREE)

*General Studies for Business	40 hours
Free Electives	25-27 hours
Lower Division Business Core	21-23 hours
See logic-language option	
Upper Division Business Core	19 hours
Finance Core	12 hours
FIN 303 Investment Management	
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	
ACC 351 Income Tax Accounting	
ECO 332 Price Theory	
ECO 333 Managerial Economics	
ECO 363 Money & Banking	
ECO 444 Econometrics	
FIN 307 Financial Modeling	
FIN 425 International Finance	
FIN 435 Real Estate Investments	
TOTAL	128 hours

* Business Calculus required

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, FIN 303	3		3
MKT 301, BUS 310	3		3
MGT 301, B/E	3		3
B/E, FIN 305, B/E	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
FIN 405, FIN 401	3		3
Electives	9	(3)	9
TOTALS	13	(3)	15

* B/E Business Elective

DEGREE REQUIREMENTS — HUMAN RESOURCES DEVELOPMENT

REQUIREMENTS FOR A MAJOR IN HUMAN RESOURCES DEVELOPMENT (B.S. DEGREE)

General Studies for Business	40 hours
Free Electives	11-13 hours
Lower Division Business Core	21-23 hours
See logic-language option	
Upper Division Business Core	19 hours
Human Resources Development Core	26 hours
EDU 363 Instructional Media	
HRD 301 Principles of HRD I	
HRD 302 Principles of HRD II	
HRD 304 Business Conference Leadership	
HRD 411 HRD Internship I	
HRD 412 HRD Internship II	
MGT 321 Human Resource Management	
MGT 415 Organizational Behavior	
Electives from the following:	9 hours
BUS 320 Organizational Realities	
MGT 311 Leadership	
MGT 421 International Management	
**PSY 365 Industrial Psychology	
**PSY 443 Counseling and Guidance	
*SED 442 Secondary Methods	
*SED 443 Secondary Curriculum Development	
TOTAL	128 hours

* Both must be taken to receive credit for industrial teacher emphasis.
** Both must be taken to receive credit for counselor emphasis.

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, MKT 301	3		3
BUS 310, MGT 301	3		3
EDU 363, MGT 321	3		3
HRD 301, HRD 302	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
HRD 411, HRD 412	4		4
HRD 304, MGT 415	3		3
B/E, B/E	6	(3)	3
TOTALS	14	(3)	13

B/E: Business Elective

DEGREE REQUIREMENTS — MARKETING

REQUIREMENTS FOR A MAJOR IN MARKETING (B.S. DEGREE)

*General Studies for Business	40 hours
Free Electives	25-27 hours
(Recommended electives: psych, soc)	
Lower Division Business Core	21-23 hours
See logic-language option	

Upper Division Business Core	19 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 381 Marketing Simulation	
MKT 410 Retail Management	
MKT 440 Marketing Research	
MKT 425 International Marketing	
TOTAL	128 hours

SUGGESTED CURRICULUM PLAN

Junior Year

	Fall	Jan.	Spring
BUS 307, PHI 311	3		3
FIN 301, B/E	3		3
BUS 310, BUS 315	3		3
MKT 301, MKT 302	3		3
MGT 301, B/E	3	(3)	3
TOTALS	15	(3)	15

Senior Year

	Fall	Jan.	Spring
BUS 409, BUS 480	1		3
MKT 303, MKT 480	3		3
B/E, Electives	9	(3)	9
TOTALS	13	(3)	15

B/E: Business Elective

ACCOUNTING

ACC 211 FINANCIAL ACCOUNTING
Every semester/3 hours
An introduction to the fundamental principles and practices of financial accounting, and the construction of financial statements.

ACC 212 MANAGERIAL ACCOUNTING
Every semester/3 hours
Continuation of **ACC 211**. An introduction to the fundamentals of managerial accounting data in the decision-making process. *Prerequisite: ACC 211.*

ACC 321 INTERMEDIATE ACCOUNTING I
Every Fall/3 hours
An in-depth study of accounting objectives, principles, theory and practice as related to assets and related income determination. *Prerequisite: ACC 212.*

ACC 322 INTERMEDIATE ACCOUNTING II
Every Spring/3 hours
Continuation of **ACC 321**. Emphasis is placed on liabilities and owners equity, special problems in income determination and financial reporting. *Prerequisite: ACC 321.*

ACC 331 COST ACCOUNTING
Every Spring/3 hours
Principles of factory and distributive cost accounting, including process, job order, standard cost systems, and budgeting. *Prerequisite: ACC 212.*

ACC 351 INCOME TAX ACCOUNTING
Every Fall/3 hours
Fundamentals of federal income taxation of individuals, partnerships and corporations. Basic research and tax planning methods. *Prerequisite: ACC 212.*

ACC 383 ADVANCED ACCOUNTING
Every Fall/3 hours
Accounting theory applicable to partnerships and business combinations, international accounting and governmental and institutional accounting. *Prerequisite: ACC 322.*

ACC 396 DEPARTMENTAL TUTORING
Every semester/2 hours
Designed to train students to help others who are experiencing difficulty in their regular course work. Emphasis is placed on time management, study skills, and test taking. May not be repeated for credit. *Prerequisite: Approval of the Department Head and the Tutor Program Coordinator.*

ACC 399 PRACTICUM
On demand/1-4 hours See page 51.

ACC 411 ACCOUNTING INTERNSHIP I
Every Fall/3 hours
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 standing, completion of Lower Division Business Core and ACC 322.*

ACC 412 ACCOUNTING INTERNSHIP II
Every Spring/3 hours
Continuation of **ACC 411**. Further experience practicing functional skills under the supervision of a practitioner. *Prerequisite: ACC 411.*

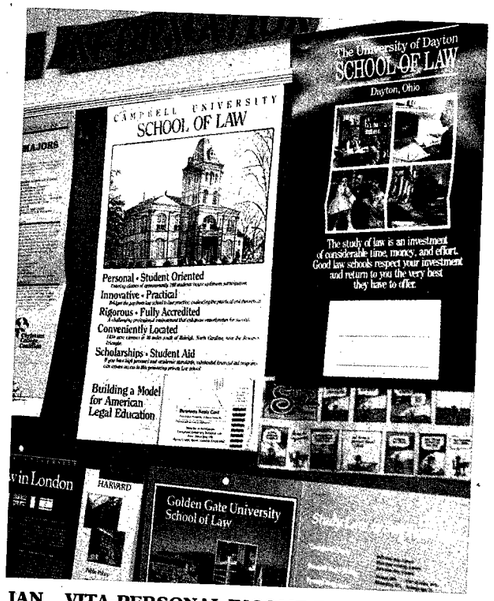
ACC 423 GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING
On demand/3 hours
Principles of accounting as applied to public sector entities. Budgetary and reporting considerations as well as financial control systems are investigated. *Prerequisite: ACC 322.*

ACC 481 AUDITING THEORY AND PRACTICE
Every Spring/3 hours
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 ACCOUNTING THEORY
Every Spring/3 hours
An exploration of financial accounting theory and its role in current accounting practice. *Prerequisite: ACC 383.*

ACC 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
Designed to train students to help others who are experiencing difficulty in their course work. Emphasis is placed on time management, study skills, and test taking. This course may be repeated. A small stipend is provided upon successful completion of the course.



JAN VITA-PERSONAL INCOME TAXES
January Term on demand/3 hours
An intensive three-week course team taught by Grand Canyon University faculty and the IRS on the basic tax accounting rules with emphasis on personal income taxes. Upon completion of course, students will be expected to devote eight hours to community service work preparing tax returns for disadvantaged and elderly persons.

BUSINESS

BUS 102 AMERICAN BUSINESS AND FREE ENTERPRISE *On demand/3 hours*
A course for beginners in the study of American business. Various aspects of the business firm will be defined and illustrated. Major problems of starting and operating a small business will be stressed. (Not open to business majors.)

BUS 251 BUSINESS STATISTICS
Every semester/3 hours
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 CS 133.*

BUS 307 BUSINESS COMMUNICATIONS
Every semester/3 hours
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: EEW 102, SPC 113, passing grade on the Writing Proficiency Exam, Junior standing.*

BUS 308 BUSINESS AND TECHNICAL WRITING
Every semester/3 hours
A course designed to present the best practices in writing business communications and technical reports. *Prerequisites: Junior standing, EEW 102, SPC 113, and passing the Writing Proficiency Exam.*

BUS 310 BUSINESS LAW I
Every semester/3 hours
A study of the development of our legal system with a brief study of the nature of crimes, torts, and strict liability. The course also includes contracts, agency, and property.

BUS 315 BUSINESS LAW II
Every semester/3 hours
Continuation of **BUS 310**. Included in this course is the study of partnerships, corporations, sales commercial paper, credit, and government regulations and agencies.

BUS 320 ORGANIZATIONAL REALITIES
January Term or on demand/3 hours
Provides current information supplementing traditional management and organizational behavior curricula to give students greater appreciation for the complexity of "real world" existence in organizations. Explores how organizations are experienced through strategies of power, alliances, manipulation, influence, performance, visibility, symbolism and values. *Prerequisite: Junior standing.*

BUS 375 INTERNATIONAL BUSINESS RELATIONS
On demand/3 hours
An introductory study of the history, culture, political, and economic climate in different areas as it relates to the U.S. business man or woman. After establishing a basis of understanding of the region, the course will explore the import/export opportunities for the U.S. including a discussion of some of the problems and solutions from marketing within the region. *Prerequisites: FIN 301, MGT 301 and MKT 301.*

BUS 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

BUS 399 PRACTICUM
On demand/1-4 hours See page 51.

BUS 400 BUSINESS EDUCATION INTERNSHIP
On demand/1-3 hours
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 PREPARATION FOR EMPLOYMENT
Every Fall/1 hour
Prepares graduating seniors for job search process (research, interviews, resumes, dress for success, etc.) and to be competitive in the business job market. *Prerequisite: Senior standing.*

BUS 411 BUSINESS INTERNSHIP I
Every Fall/3 hours
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 standing, completion of Lower Division Business Core, FIN 301, MGT 301 and MKT 301.*

BUS 412 BUSINESS INTERNSHIP II
Every Spring/3 hours
Continuation of **BUS 411**. Further experience practicing functional skills under the supervision of a practitioner. *Prerequisite: BUS 411.*

BUS BUSINESS POLICY
480 *Every semester/3 hours*
A Business Capstone Case Course. 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: Lower Division and Upper Division Business Core and instructor's approval.*

BUS INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.



ECONOMICS

ECO 201 PRINCIPLES OF ECONOMICS - MACROECONOMICS
Every semester/3 hours
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 & Microeconomics may be taken in any order. *Prerequisite: MAT 120 or equivalent.*

ECO 202 PRINCIPLES OF ECONOMICS - MICROECONOMICS *Every Spring/3 hours*
A microeconomics introduction covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems. Microeconomics & Macroeconomics may be taken in any order. *Prerequisite: MAT 120 or equivalent.*

ECO 220 WORLD ECONOMIC HISTORY
Every Fall/3 hours
A study of world history and geography, focusing on economic development, international wealth distribution, and trade patterns. Cultural and historical forces affecting production and commerce in the major regions of the world are examined, as are various forms of economic organization. *Prerequisites: Passing of Writing Proficiency Exam, and ECO 201 or ECO 202.*

ECO 321 ECONOMIC DEVELOPMENT
Every third semester/3 hours
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: ECO 201, ECO 202, ECO 220.*

ECO 332 PRICE THEORY MICROECONOMICS
Every third semester/3 hours
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: ECO 201, ECO 202, MAT 210.*

ECO 333 MANAGERIAL ECONOMICS
Every third semester/3 hours
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 is how firms react to specific demand conditions and the influence of competition and market power on decisions. *Prerequisites: BUS 251, ECO 201, ECO 202 and MAT 121 or equivalent.*

ECO 363 MONEY AND BANKING
Every third semester/3 hours
A general survey of commercial banking operations, the Federal Reserve System, the qualities of a good monetary system, the theory of value of money, money and banking history, deposit insurance, and foreign exchange. *Prerequisites: MAT 121 or equivalent, ECO 201, ECO 202.*

ECO 383 ECONOMIC HISTORY OF THE UNITED STATES
Fall, 1990, and alternate years/3 hours
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: ECO 201, HIS 103, HIS 104.*

ECO 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

ECO 399 PRACTICUM
On demand/1-4 hours See page 51.

ECO 411 ECONOMICS INTERNSHIP I
Every Fall/3 hours
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 standing, completion of Lower Division Business Core and ECO 332 or ECO 333.*

ECO 412 ECONOMICS INTERNSHIP II
Every Spring/3 hours
Continuation of **ECO 411**. Further experience practicing functional skills under the supervision of a practitioner. *Prerequisite: ECO 411.*

ECO 422 INTERNATIONAL TRADE AND EXCHANGE
Spring, 1991, and alternate years/3 hours
A study of international trade with special focus on balance of payments, protectionistic strategies, tariffs, import quotas, multinational corporate activity, Third World debt, and international lending. Analysis will deal with specific topical issues such as the value of the U.S. dollar, the purchase of U.S. assets by foreigners and the outlook for U.S. exporters. *Prerequisites: ECO 363 and ECO 220 or ECO 385.*

ECO 423 COMPARATIVE ECONOMIC SYSTEMS
Spring, 1990, and alternate years/3 hours
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. *Prerequisites: ECO 201, ECO 220.*

ECO 430 PUBLIC FINANCE
Fall, 1989, and alternate years/3 hours
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, ECO 202.*

ECO 433 INDUSTRIAL ORGANIZATION
Every third semester/3 hours
A study of industry pricing, output and investment decisions under various market conditions. Also examined are such issues as the effect of regulation, the efficacy of antitrust law, the economic nature of legal contracts various methods of ensuring quality products, and the economics of advertising. *Prerequisites: Lower Division Business Core.*

ECO 444 ECONOMETRICS
January Term 1992, and every third January Term/3 hours
Explores the appropriate use of statistics (particularly regression) to analyze and interpret data in business and the social sciences. Emphasis is placed on *practical* use and interpretation of multi-variable, multiple-stage regression and maximum likelihood estimates. The course requires one or more research projects using data gathered by the student. *Prerequisites: Lower Division Business Core and MAT 210 or equivalent.*

ECO 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

FINANCE

FIN 301 BUSINESS FINANCE I
Every semester/3 hours
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 CS 133.*

FIN 303 INVESTMENTS
Every Spring/3 hours
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
January Term/3 hours
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 307 FINANCIAL MODELING
Every Fall/3 hours
A course in the structure and analysis of financial decisions on the microcomputer. Models in the area of investments, corporate finance, and financial institution management are considered. Spreadsheets and financial databases are employed as analytical tools. *Prerequisites: CS 133, FIN 301.*

FIN 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

FIN 399 PRACTICUM
On demand/1-4 hours See page 51.

FIN 401 BUSINESS FINANCE II
Every Spring/3 hours
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 FINANCIAL INSTITUTIONS
Every Fall/3 hours
Aspects of financial institution management and the changing 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 FINANCE INTERNSHIP I
Every Fall/3 hours
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 standing, completion of Lower Division Business Core and FIN 301.*

FIN FINANCE INTERNSHIP II
412 *Every Spring/3 hours*
Continuation of **FIN 411**. Further experience practicing functional skills under the supervision of a practitioner. *Prerequisite: FIN 411.*

FIN INTERNATIONAL FINANCE
425 *Fall, 1990, and alternate years/3 hours*
A study of the international dimension of corporate financial management. Foreign exchange rate determination, risk and speculation in the foreign exchange markets, aspects of direct foreign investment, political risk, financing problems of the multinational firm, and the institutional aspects of multinational finance are discussed. *Prerequisite: FIN 305.*

FIN REAL ESTATE INVESTMENT
435 *Fall, 1989, and alternate years/3 hours*
A study of real estate valuation and the characteristics of real property as an investment. *Prerequisite: FIN 301.*

FIN INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

HUMAN RESOURCES DEVELOPMENT

HRD HUMAN RESOURCES DEVELOPMENT PRINCIPLES I
301 *Every Fall/3 hours*
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. *Prerequisite: Completion of Lower Division Business Core.*

HRD HUMAN RESOURCES DEVELOPMENT PRINCIPLES II
302 *Every Spring/3 hours*
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 BUSINESS CONFERENCE LEADERSHIP
304 *Every Spring/3 hours*
Teaches the competencies of leading a business conference and discussion groups, primarily as a learning device or for problem-solving. *Prerequisites: SPC 113 and completion of Lower Division Business Core.*

HRD DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

HRD PRACTICUM
399 *On demand/1-4 hours* See page 51.

HRD HUMAN RESOURCES DEVELOPMENT INTERNSHIP I
411 *Every Fall/4 hours*
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 standing.*

HRD HUMAN RESOURCES DEVELOPMENT INTERNSHIP II
412 *Every Spring/4 hours*
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 government agency, depending upon one's special interest. *Prerequisite: HRD 411.*

HRD INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.



MANAGEMENT

MGT PRINCIPLES OF MANAGEMENT
301 *Every semester/3 hours*
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. *Prerequisites: Junior standing, BUS 307 and Lower Division Business Core.*

MGT LEADERSHIP
311 *Fall, on demand/3 hours*
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. *Prerequisites: Junior standing and MGT 301.*

MGT HUMAN RESOURCE MANAGEMENT
321 *Every Spring/3 hours*
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. *Prerequisites: Junior standing and MGT 301.*

MGT DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

MGT PRACTICUM
399 *On demand/1-4 hours* See page 51.

MGT MANAGEMENT INTERNSHIP I
411 *Every Fall/3 hours*
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 standing, completion of Lower Division Business Core and MGT 301.*

MGT MANAGEMENT INTERNSHIP II
412 *Every Spring/3 hours*
Continuation of **MGT 411**. Further experience practicing functional skills under the supervision of a practitioner. *Prerequisite: MGT 411.*

MGT ORGANIZATIONAL BEHAVIOR
415 *Every Spring/3 hours*
A study of the interpersonal relations between individuals and groups in an organizational setting. The problems that arise out of these relations are analyzed and evaluated using the case method approach. *Prerequisites: Senior standing and MGT 301.*

MGT INTERNATIONAL MANAGEMENT
421 *Every Fall/3 hours*
Concepts and practices of management in multinational and foreign firms. Objectives, strategies, policies and organizational structures for operating in various environments. Current issues of operating offshore. *Prerequisites: Senior standing and MGT 301.*

MGT INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

MARKETING

MKT PRINCIPLES OF MARKETING
301 *Every semester/3 hours*
Understanding of the marketing processes as they relate to marketing decisions, selection of market targets, product strategy, distribution channels, pricing, marketing research, advertising, interaction of marketing and society. *Prerequisites: Junior standing, ACC 212, BUS 307, ECO 220 (or concurrent enrollment).*

MKT CONSUMER BEHAVIOR
302 *Every Spring/3 hours*
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 SALES AND SALES MANAGEMENT
303 *Every Spring/3 hours*
An introduction to selling, including sales organization, planning and salesmanship. *Prerequisite: MKT 301.*

MKT ADVERTISING PRINCIPLES
304 *Every Spring/3 hours*
A study of advertising methods, media and strategy. *Prerequisite: MKT 301.*

MKT MARKETING SIMULATION
381 *January Term/3 hours*
An interactive decision simulation game experience which requires students to make marketing strategy decisions and to "live" with the consequences. Up to five firms in an "industry" will compete for market share and profits. *Prerequisites: Instructor's approval, MKT 301.*

MKT DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

MKT PRACTICUM
399 *On demand/1-4 hours* See page 51.

MKT RETAIL MANAGEMENT
410 *Every Spring/3 hours*
A study of retail operations, planning, merchandising, promotion and control. *Prerequisite: MKT 302.*

MKT MARKETING INTERNSHIP I
411 *Every Fall/3 hours*
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 standing, completion of Lower Division Business Core and MKT 301.*

MKT MARKETING INTERNSHIP II
412 *Every Spring/3 hours*
Continuation of **MKT 411**. Further experience practicing functional skills under the supervision of a practitioner. *Prerequisite: MKT 411.*

MKT INTERNATIONAL MARKETING
425 *Every Fall/3 hours*
An introduction to concepts of marketing on a global scale—considers and develops a framework of analysis of the many environments which multinational marketing organizations must understand. *Prerequisites: Lower Division Business Core, FIN 301, MGT 301 and MKT 301.*

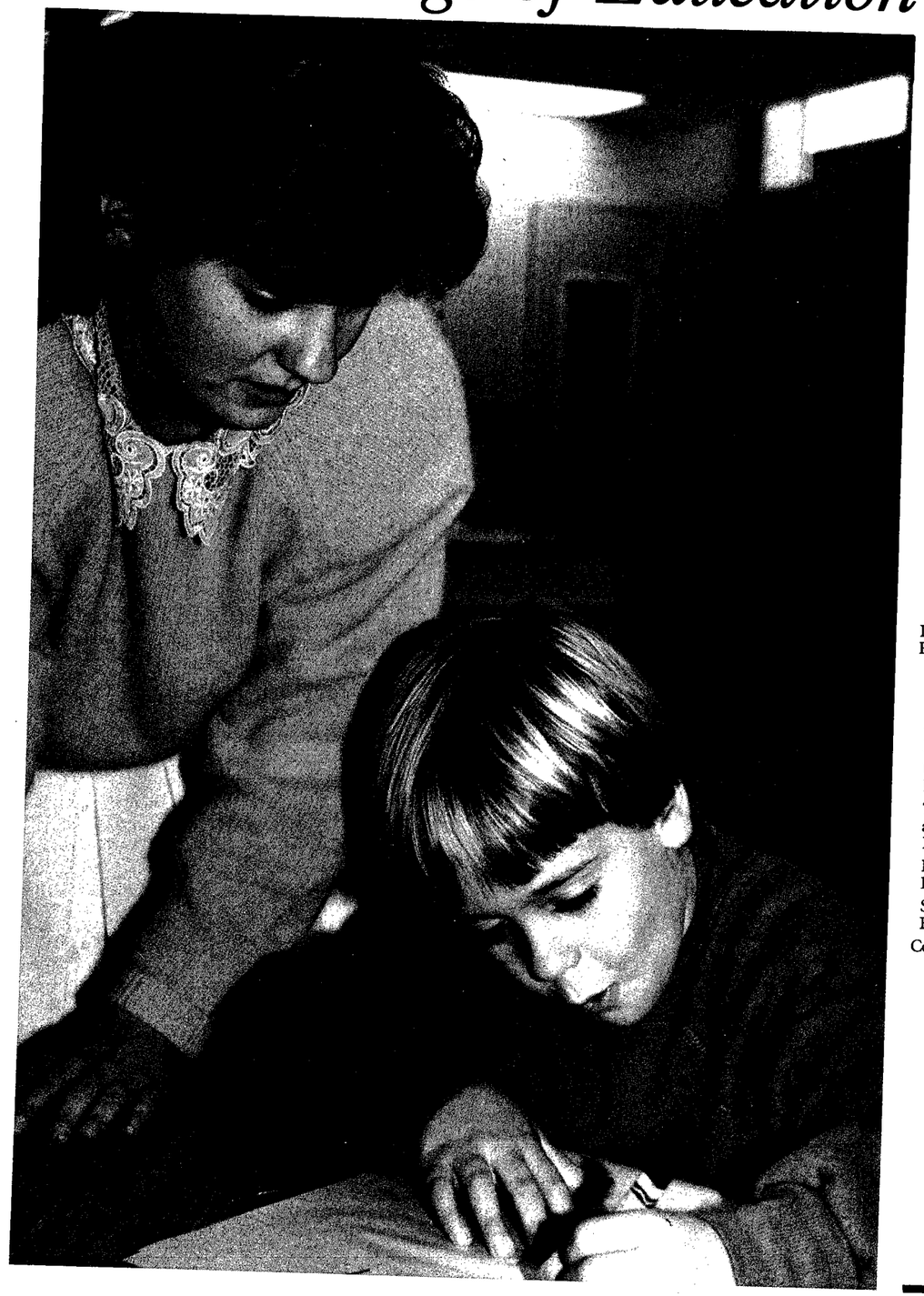
MKT MARKETING RESEARCH
440 *Every Fall/3 hours*
A study of research design, survey making, sampling and questionnaire design. *Prerequisites: BUS 251 and MKT 301.*

MKT MARKETING MANAGEMENT
480 *Every Fall/3 hours*
A study of marketing objectives and policies that require executive decisions, marketing activities that relate to other policy areas. *Prerequisites: FIN 301, MGT 301, MKT 301 and MKT 302.*

MKT INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

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 of 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 126 and 127 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 you in 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 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 (grades K-12). Secondary (grades 7-12) with a subject area emphasis. Elementary (grades K-8). Reading Endorsement (grades K-12).

TEACHER EDUCATION CURRICULA

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

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

1. Elementary Education (A minor in a content area commonly taught in grades K-8 in public schools in Arizona is required);
2. Special Education (Learning Disabilities, Emotionally Handicapped and Gifted.) A minor 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 and Reading Education.

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

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 which will include prescribed professional courses (see page 124). The student who would be in the Fifth Year program is encouraged to enter the Master of Education (M.Ed.) program (see page 124).

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 also 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.

All candidates must have passed the Writing Proficiency Examination (see page 58). In order to be exempted from the writing exam, candidates must have received a 4.0 GPA in the required freshman English courses taken at Grand Canyon University.

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 Education Office of the Faculty Office Building.

Application procedures and policies are available in an Education Packet at the campus bookstore.

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 reference letters 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 as to the action taken on their applications by the Dean representing the College of Education faculty, subject to appeal to the College of Education and the Academic Affairs Committee.

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, 313, 363, EED 340, SPE 323, or SED 442.

Once accepted into the Teacher Education Program at Grand Canyon University, or once you have 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.

Elementary Education majors must have a total of 28 hours in their major taken in residence at Grand Canyon University. At least 12 of these hours must be elementary education methods courses to be selected from EED 323, 343, 403, 433, or 463.

Secondary Education must have a total of 21 hours in Education taken in residence at Grand

Canyon University. The following courses must be taken in residence at Grand Canyon University: SED 442, 443, 452 and 462.

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.

Any student who receives a grade lower than 2.0 in any education course must petition the faculty of the College of Education for permission to retake that course.



APPLICATION FOR STUDENT TEACHING

All students who wish to be placed in student teaching must make written application. Appropriate forms are available from the College of Education Office, located in the Faculty Building. A 2.5 grade point average overall, 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 as well as all courses in education.

Deadlines for applying for student teaching are as follows:

To teach during Fall semester-February 1
To teach during Spring semester-September 15
To teach during Summer session-February 15
(Available to Fifth Year students only and providing that school sessions fulfill University requirements.)

All students must complete eight (8) semester hours to include 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 meet with the College of Education Dean 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, 443, 452, and 462 or 12 hours in Elementary Education to be selected from EED 323, 343, 403, 433, or 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 Records Office 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 course work in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 4-6 hours of course work in professional education. The second block, of nine weeks duration, is reserved for student teaching and carries 8 hours of credit.

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

Supervision of the student teacher is performed by the school to which the student is assigned.

The 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 - Old and New Testament History	6 hours
English - Freshman English	6 hours
Humanities:	
Speech for Teachers	3 hours
Electives Chosen from: Art, Music, Literature, Theater, Philosophy, Performing Arts	3 hours
American History (Elementary Ed) **or** American History or Civilization (Secondary Ed)	6 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	3 hours
Science	
Lab Science	4 hours
Elective chosen from Science, Math or Computer Science	3 hours
TOTAL	45 hours

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

DEGREE REQUIREMENTS — ELEMENTARY EDUCATION/ CERTIFICATION (Grades K-8)

REQUIREMENTS FOR A MAJOR IN ELEMENTARY EDUCATION (B.S. DEGREE)

* EDU 303 Foundations of Education	3 hours
EDU 313 Educational Psychology	3 hours
EDU 363 Instructional Media	3 hours
EED 323 Curriculum and Methods: Science	3 hours
EED 340 Emergent Language	2 hours
EED 343 Curriculum and Methods: Language Arts	3 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 323 Orientation to the Exceptional Child	3 hours
EDU 430 Classroom Management	3 hours
** EDU 413 Tests and Measurements	2 hours
EDU 420 Orientation to Student Teaching	2 hours
EDU 480 Student Teaching: Elementary School	8 hours
TOTAL	47 hours

* Prerequisite to all other education courses
** Education Block — 12 hours

Elementary Education majors must present an 18-24 hour minor in a content area commonly taught in grades K-8 in public schools in Arizona.

RECOMMENDED ELECTIVES FOR ELEMENTARY TEACHER CANDIDATES:

AE 303, 323 Art in the Elementary School **or** Art Media/Methods for the Elementary Teacher	3 hours
Computer Science Elective	3 hours
EED 313 Early Childhood Education	3 hours
ETL 473 Children's Literature	3 hours
ETL 509 Adolescent Literature	3 hours
Geography Elective	3 hours
HLT 333 School Health Problems	3 hours
MED 381 Music in the Elementary Grades	3 hours
PE 323 Physical Education for Elementary Grades	3 hours

DEGREE REQUIREMENTS — LEARNING DISABILITIES (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8)

REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION (B.S. DEGREE)

* EDU 303 Foundations of Education	3 hours
EDU 313 Educational Psychology	3 hours
EDU 363 Instructional Media	3 hours
EED 323 Curriculum and Methods: Science	3 hours
EED 340 Emergent Language	2 hours
EED 343 Curriculum and Methods: Language Arts	3 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 323 Orientation to the Exceptional Child	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
Elective in Special Education	3 hours
EDU 430 Classroom Management	3 hours
** EDU 413 Tests and Measurements	2 hours
EDU 420 Orientation to Student Teaching	2 hours
SPE 408 Student Teaching: Learning Disabilities	8 hours
EED 480 Student Teaching in the Elementary School	8 hours
TOTAL	67 hours

A minor is required.

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

DEGREE REQUIREMENTS — EMOTIONALLY HANDICAPPED (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8)

REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION (B.S. DEGREE)

* EDU 303 Foundations of Education	3 hours
EDU 313 Educational Psychology	3 hours
EDU 363 Instructional Media	3 hours
EED 323 Curriculum and Methods: Science	3 hours
EED 340 Emergent Language	2 hours
EED 343 Curriculum and Methods: Language Arts	3 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 323 Orientation to the Exceptional Child	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
Elective in Special Education	3 hours
EDU 430 Classroom Management	3 hours
** EDU 413 Tests and Measurements	2 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	67 hours

A minor is required.

* Prerequisite to all other education courses

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

COURSES FOR SECONDARY CERTIFICATE (Grades 7-12)

(DEGREE DEPENDS ON MAJOR)

* EDU 303 Foundations of Education	3 hours
EDU 313 Educational Psychology	3 hours
EDU 363 Instructional Media	2 hours
SED 442 Secondary Methods	3 hours
SED 452 Reading in the Secondary School	3 hours
SED 462 Reading Practicum in Secondary School	2 hours
SPE 323 Orientation to the Exceptional Child	3 hours
EDU 430 Classroom Management	3 hours
** EDU 413 Tests and Measurements	2 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	36 hours

* Prerequisite to all other education courses.

** Education Block — 14 hours

The student's major, required for graduation, is his major teaching field. Certifiable majors are defined on page 120.

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, should 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 Fifth Year 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 is possible for the M.Ed. student to complete certification requirements within 12 to 15 months of full-time study and return the following years to complete the master's degree course work. 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 advisor in the College of Education is available for consultation; however, it is the responsibility of the graduate student to enroll in the proper courses and follow the policies and procedures of the graduate program.

The courses in the M.A. program are designed to provide advanced study in a specialized area of education. Course work is presently offered in the following areas:

1. Elementary Education
2. *Gifted Education
3. *Reading Education
4. *Teaching English As A Second Language

* 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 English as a Second Language/Bilingual Education, Early Childhood Education.

APPLICATION PROCEDURES FOR GRADUATE STUDIES

ELIGIBILITY

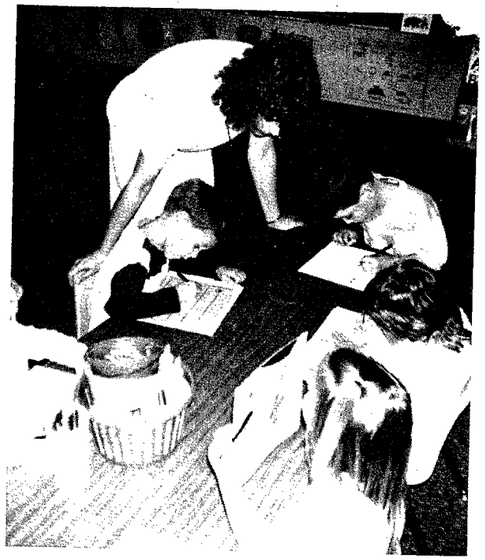
Graduate students secure an admissions packet from the Graduate Office in the College of Education. Further clarification of the following requirements are contained in the admissions packet.

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 re-taken 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. Record of satisfactory performance on the Miller Analogies Test (MAT) *or* the Graduate Record Examinations General Test (GRE);
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.



CANDIDACY

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
History, Civ, 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	3 hours
Tests and Measurements	2 hours

PROFESSIONAL PREPARATION REQUIREMENTS:

Complete prior to Certification — 42 hours

EDU 570 Philosophical/Social Issues	3 hours
EDU 363 Instructional Media	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
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, 699 Internship **or** Independent Study	2 hours
TOTAL	60 hours

* These courses must be taken concurrently. Acceptance into the Master of Education Degree Program is required.

** These courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9-weeks. It is recommended that no other course work 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
Test and Measurements	2 hours

PROFESSIONAL PREPARATION REQUIREMENTS:

Complete prior to Certification — 31 hours

EDU 570 Philosophical/Social Issues	3 hours
EDU 363 Instructional Media	2 hours
SPE 323 Orientation to the Exceptional Child	3 hours
SED 442 Secondary Methods	3 hours
*SED 552 Reading: Secondary School	3 hours
*SED 462 Reading: Practicum Sec School (Incl. Decoding)	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, 699 Internship **or** Independent Study	2 hours
TOTAL	53 hours

* These courses must be taken concurrently. Acceptance into the Master of Education Degree Program is required.

** These courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9-weeks. It is recommended that no other course work 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/Innovation	3 hours
EDU 613 Educational Research	3 hours
EDU 614 Research/Writing Tutorial	2 hours
EDU 680, 699 Internship **or** 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, 504, 606 Foundations in Reading, **or** Innovative Reading Programs **or** Research in Reading	3 hours
TOTAL	37 hours

***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/Innovation	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	38 hours

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

***PROGRAM OF STUDY FOR READING EDUCATION**

PREREQUISITES:

Elementary, Secondary, or Special Education Certification
EED 433/533 Curriculum and Methods: Reading
SED 452/552 Reading in the 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:

ETL 409/509 Adolescent Literature **or** ETL 473/573 Children's Literature and Story Telling	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	35 hours

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

***PROGRAM OF STUDY FOR TEACHING ENGLISH AS A SECOND LANGUAGE**

PREREQUISITES:

Elementary or Secondary Certification
Admittance to 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 Master 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** TESOL	3 hours
TOTAL	38 hours

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

EDUCATION

EDU 103 READING AND LEARNING STRATEGIES FOR COLLEGE SUCCESS
Every semester/3 hours
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 READING AND LEARNING STRATEGIES FOR COLLEGE SUCCESS
Every semester/3 hours
See **EDU 103** (above).

EDU 303 FOUNDATIONS OF EDUCATION
Every semester/3 hours
A study of the historical, philosophical, and sociological influences which have shaped American education, the issues faced by educators today, and the challenges of the future which await persons now entering the teaching profession. The course is designed for students who have already committed themselves to a career in education or are exploring a career in education and includes a first phase observation in the K-12 classroom. This course should be taken during the sophomore year. *Prerequisite: SPC 113.*

EDU 313 EDUCATIONAL PSYCHOLOGY
Every semester and every Summer/3 hours
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 and PSY 353 or PSY 373.*

EDU 355 USING COMPUTERS IN THE CLASSROOM
January Term on demand/3 hours
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 INSTRUCTIONAL MEDIA
Every semester and every Summer/2-3 hours
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 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

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

EDU 420 ORIENTATION TO STUDENT TEACHING *Every semester/2 hours*
Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences. Administrators and supervisors from public schools are invited to participate in this orientation as well as other professional personnel. Additional instruction is given by the faculty of the College of Education. *Prerequisites: All required courses for certification except EDU 413, SED 443 and student teaching.*

EDU 430 CLASSROOM MANAGEMENT
Every January Term and Summer/3 hours
Designed to allow the perspective 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: Admittance to the teacher preparation program and Senior status.*

EDU 570 PHILOSOPHICAL/SOCIAL ISSUES IN EDUCATION
Every semester and every Summer/3 hours
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 PSYCHOLOGICAL ISSUES
Every semester and every Summer/3 hours
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, the 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 and EDU 313.*

EDU 612 CURRICULUM ISSUES AND INNOVATIONS
Every Spring and every Summer/3 hours
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 543, EED 463 or 563 and Bachelor's degree.*

EDU 613 EDUCATIONAL RESEARCH
Every semester and every Summer on demand/3 hours
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 and EDU 413.*

EDU 614 RESEARCH AND WRITING TUTORIAL
Every semester and every Summer on demand/2 hours
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, implementing the research proposal of EDU 613 and submit a manuscript for a publication or formal presentation. There will be an emphasis on hour to publish research work or curriculum materials. *Prerequisites: Admittance to the M.Ed. or M.A. program and EDU 613.*

EDU 580/680 INTERNSHIP
Every semester and every Summer on demand/1-2 hours
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. *Prerequisite: Admittance to the M.Ed. or M.A. program.*

EDU 598 MASTER SEMINARS
Every semester and every Summer on demand/1 hour
The Master 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 as necessary for the well-rounded and prepared Master's candidate. Must be taken concurrently with courses that require seminar presentations. A minimum of three Master Seminars are required for both the M.Ed. and M.A. program. *Prerequisite: Bachelor's degree.*

EDU 599/699 INDEPENDENT STUDY
Every semester and every Summer on demand/1-2 hours
This course allows participants to design their own course objectives to meet individual needs in regard to curriculum design in a K-12 classroom. *Prerequisite: Admittance to the M.Ed. or M.A. program.*

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

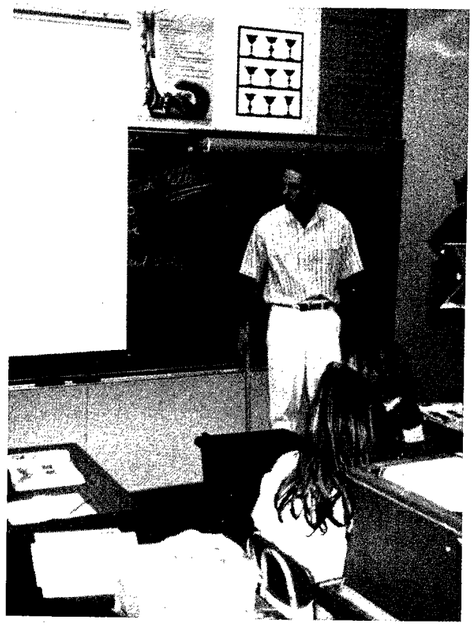
ELEMENTARY EDUCATION

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

EED 323 CURRICULUM AND METHODS: SCIENCE
Every semester and every Summer/3 hours
Designed to acquaint the elementary teacher with the curriculum and the effective techniques for the teaching of science. The student is involved in planning instruction, employing science programs that are currently being used in the public schools, and using instructional models. Laboratory experiences. *Prerequisites: EDU 303, a laboratory science course, EDU 313 and admittance to the teacher education program.*

EED 340 EMERGENT LANGUAGE
Every semester and every Summer/2 hours
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: EDU 303.*

EED 343 CURRICULUM AND METHODS: LANGUAGE ARTS
Every semester and every Summer/3 hours
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, EED 340 and admittance to the teacher education program.*



EED 403 CURRICULUM AND METHODS: MATHEMATICS *Every semester/3 hours*
The student is involved in the formulation of programs for the individual child to teach the theory and practice of elementary mathematics. Utilization of games in the classroom, manipulative materials, and mathematics curriculum in the elementary school are examined. *Prerequisites: EDU 303, EDU 313, EED 323, MAT 113, Senior status and admittance to the teacher preparation program. Six hours of math course work is recommended.*

EED 433 CURRICULUM AND METHODS: READING/DECODING *Every semester/4 hours*
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, and Senior status.*

EED 443 READING PRACTICUM IN THE ELEMENTARY SCHOOL *Every semester/2 hours*
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, EED 340, EED 343, Senior status and admittance to the teacher preparation program.*

EED 463 CURRICULUM AND METHODS: SOCIAL STUDIES
Every semester and every Summer/3 hours
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, EED 323, EED 340, EED 343, HIS 103, HIS 104 and admittance to the teacher preparation program.*

EED 480 STUDENT TEACHING: ELEMENTARY GRADES *Every semester/8 hours*
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 elementary education program, and Senior status. Credit only. No grade is given.*

EED 503 CURRICULUM AND METHODS: MATHEMATICS *Every semester/3 hours*
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 or equivalent math course and admittance to M.Ed. Program. Six hours of math course work is recommended.*

EED 533 CURRICULUM AND METHODS: READING/DECODING
Every semester/4 hours
Techniques for teaching all aspects of reading through various approaches as well as emphasizing how to develop lifelong 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 303, EED 340, EED 343, and admittance to M.Ed. Program.*

EED 563 CURRICULUM AND METHODS: SOCIAL STUDIES
Every semester and every Summer/3 hours
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, and admittance to M.Ed. Program.*

EED 583 ELEMENTARY SCHOOL MATHEMATICS
Every Spring on demand/3 hours
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
Every Fall on demand/3 hours
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.*

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

READING EDUCATION

RDG 503 FOUNDATIONS IN READING
Every Summer/3 hours
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
Every Fall/3 hours
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, and SED 452/552.*

RDG 505 DIAGNOSIS AND REMEDIATION OF READING PROBLEMS
Every Summer/3 hours
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 a part of the course. *Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433/533, SED 452/552, and RDG 503.*

RDG 606 RESEARCH IN READING
Every Spring/3 hours
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, and SED 452/552.*

RDG 680 INTERNSHIP IN READING
Every semester/3 hours
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, and admittance to M.A. Program.*

ETL 509 ADOLESCENT LITERATURE
Every Spring/3 hours
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 methods for this genre will also be emphasized. *Prerequisite: Bachelor's degree.*

ETL 573 CHILDREN'S LITERATURE AND STORYTELLING *Every Fall/3 hours*
All types of children's literature from outstanding authors are surveyed through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of storytelling are also studied. *Prerequisite: Bachelor's degree.*

SECONDARY EDUCATION

SED 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

SED 442 SECONDARY METHODS
Every semester and every Summer/3 hours
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: EDU 303, EDU 313.*

SED 443 SECONDARY CURRICULUM DEVELOPMENT
Every semester and every Summer/2 hours
A study of secondary school curriculum development. Consideration is also given to development of curriculum for adult learners as needed for Human Resources Development Students. Major emphasis is given to planning instructional objectives, lesson planning and developing a model curriculum. *Prerequisites: EDU 303, EDU 313, SED 442 and admittance to the teacher preparation program or human resources development program. Human Resources Development majors take this concurrently with HRD 301.*

SED 452 READING IN THE SECONDARY SCHOOL
Every semester/3 hours
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. *Prerequisites: EDU 303, EDU 313, SED 442, and admittance to the teacher preparation program.*

SED 462 READING PRACTICUM IN THE SECONDARY SCHOOL *Every semester/2 hours*
A school centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students in reading content classes. Must be taken concurrently with SED 452. *Prerequisites: EDU 303, EDU 313, SED 452, and admittance to the teacher preparation program.*

SED 480 STUDENT TEACHING: SECONDARY SCHOOL *Every semester/8 hours*
The student is assigned to an approved school to serve as a teacher for 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 SECONDARY CURRICULUM
Every semester and every Summer/2 hours
Various orientations to curriculum development will be investigated. Emphasis is given to planning instructional objectives and developing a model curriculum. *Prerequisites: EDU 303, EDU 313, SED 442, and admittance to the M.Ed. Program.*

SED 552 READING IN THE SECONDARY SCHOOL
Every semester/3 hours
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. *Prerequisites: EDU 303, EDU 313, SED 442, and admittance to the M.Ed. Program.*

SPECIAL EDUCATION

SPE 323 ORIENTATION TO THE EXCEPTIONAL CHILD *Every semester/3 hours*
Introduction to the various categories of exceptionality, with their characteristics.

SPE 353 SURVEY OF LEARNING DISABILITIES
Every Summer/3 hours
Developmental and observable characteristics of the child with learning disabilities, encompassing the many individual theories being applied to education of the special student. *Prerequisite: SPE 323.*

SPE 363 METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES
Every Fall/3 hours
Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. *Prerequisites: SPE 323 and admittance to the teacher preparation program.*

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

SPE 393 METHODS OF TEACHING THE EMOTIONALLY HANDICAPPED CHILD
Every Spring/3 hours
Methods and techniques of planning and implementing instructional programs for children with emotional handicaps. *Prerequisites: SPE 323 and admittance to the teacher preparation program.*

SPE 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

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

SPE 418 STUDENT TEACHING IN SPECIAL EDUCATION: EMOTIONALLY HANDICAPPED
Every semester/8 hours
A practicum course designed to give the student teacher experience in teaching children with emotional handicaps. All-day assignment for nine weeks in an approved school. *Prerequisites: 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 DIAGNOSIS OF LEARNING NEEDS OF EXCEPTIONAL CHILDREN
Every Spring/3 hours
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 preparation program.*

SPE 500 THE GIFTED CHILD
Every Summer on demand/3 hours
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 STUDENT
Every Fall/3 hours
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 *Every Spring/3 hours*
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 and SPE 515.*

SPE 525 CURRICULUM DEVELOPMENT IN GIFTED EDUCATION
Every Summer on demand/3 hours
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
Every Spring/3 hours
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
Every semester and Summer on demand/6 hours
The student is assigned to an approved, experienced teacher or coordinator of programs(s) for the gifted for six weeks. The internship is individualized and arrangements can be based on student needs.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

TEACHING ENGLISH AS A SECOND LANGUAGE

ESL 514 INTER-CULTURAL COMMUNICATIONS
Spring on demand/3 hours
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
Every semester on demand/3 hours
This course is designed to familiarize student 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
Every Summer on demand/3 hours
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.

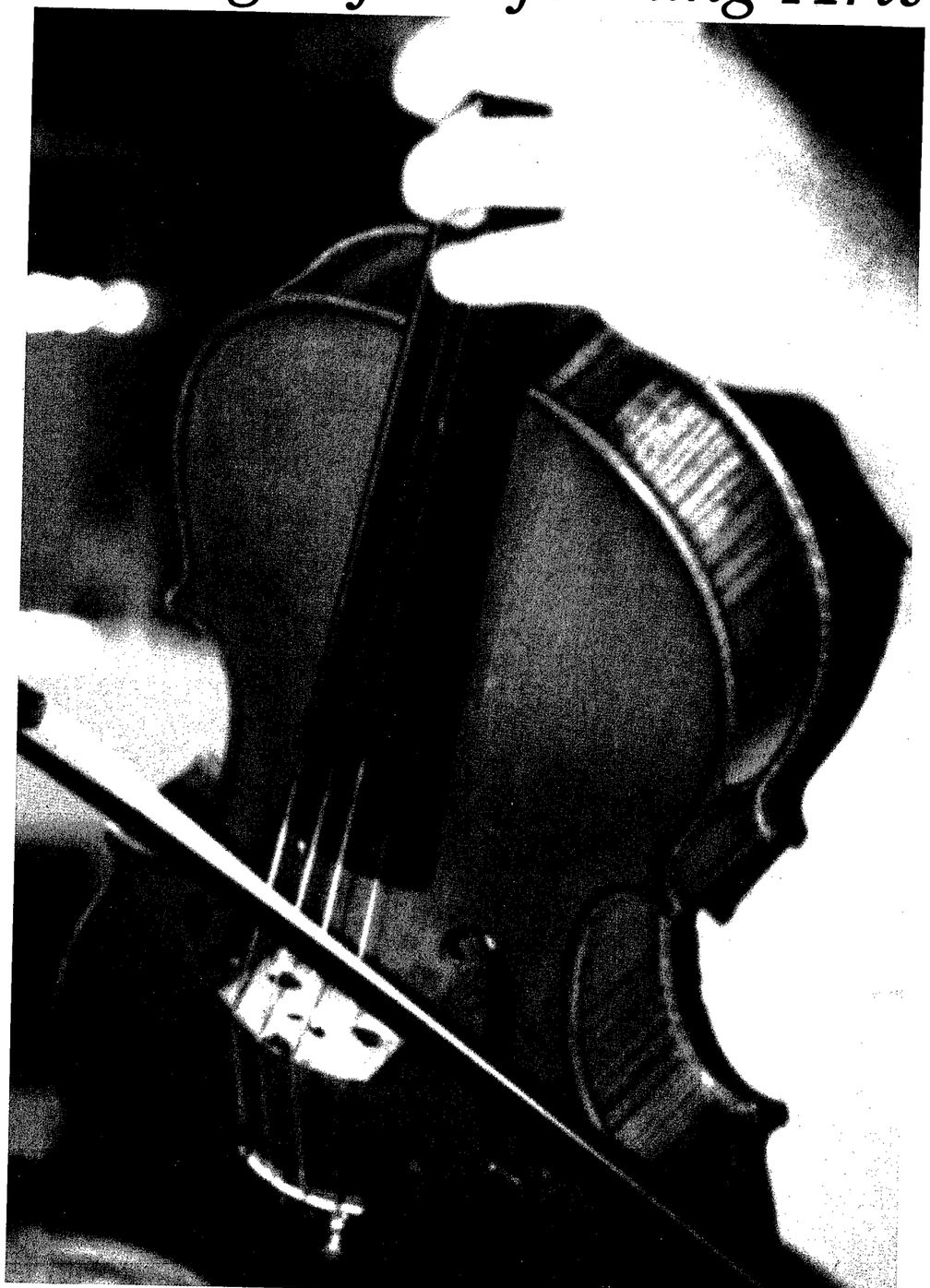
ESL 530 ADVANCED GRAMMAR FOR ENGLISH LANGUAGE TEACHING
Summer on demand/3 hours
A descriptive grammar of English, this course is specifically designed to aid teacher's understanding of the nature of language and the processes of language use.

ESL 580/680 INTERNSHIP IN ESL OR TESOL
Every semester on demand/3 hours
The student is assigned to an approved, experience teacher or coordinator of program(s) for ESL or TESOL for four weeks. The internship is individualized and arrangements can be based on student needs. *Prerequisite: ESL 523.*

ESL 610 ADVANCED LANGUAGE TEACHING METHODOLOGIES AND ASSESSMENT
Fall on demand/3 hours
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
Fall on demand/3 hours
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.*

College of Performing Arts



College Description
Degree Requirements
Music Performance
Music Education
Church music
Speech
Theatre
Theatre/Drama
Theatre/Speech
Course Descriptions
Com-
Com-/Comm

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
Instrumental Performance
Piano/Organ Performance
Theatre/Speech
Vocal Performance

Bachelor of Music
Church Music
Piano Performance
Vocal Performance

Bachelor of Science
Music Education
(Certification is required)
Theatre/Drama

The following minors are also offered:
Music
Music Education
Speech
Theatre

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 Artists-in-Residence program combined with our full-time and part-time 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.

The College is dedicated to developing the musicianship of each student through excellence in the classroom and all performing areas. Students from the entire university join with music majors and minors in performing in choirs, wind ensembles, jazz band, chamber ensembles, chamber orchestra, handbells, guitar ensemble and opera and Broadway musicals each year.

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 scholarships are available by audition.

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 the practical application of academics through performance.

The College of Performing Arts suggests that a major or minor in Theatre and Speech or Theatre and Drama would be desirable for the student planning a career, not only in Theatre/Speech or Theatre/Drama, but also in the ministry, religious education, secondary education, law, social work, or public relations.

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 performs publicly on campus.

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 - MUSIC

REQUIREMENTS FOR A MAJOR IN APPLIED MUSIC (B.A. DEGREE)

Core Hours

MAP Major Applied Instrument **or** Voice	8 hours
MAP Applied Piano (Keyboard Majors: Voice)	4 hours
*MEN Major Ensemble (one per semester)	7 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 Core	46 hours

* ALL music majors must complete 7 semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the 7 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	13 hours
COMBINED TOTALS	59 hours

(Of the 16 hours of applied guitar taken, 14 are to be of classical guitar, and 2 of studio.)

2. Instrumental

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	13 hours
COMBINED TOTALS	59 hours

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 & Accompaniment	1 hour
MUS 429 Studio Accompanying	1 hour
~~MUS 471 Music Literature~~	~~2 hours~~
Total Emphasis	14 hours
COMBINED TOTALS	60 hours

4. Piano

MAP Applied Piano	8 hours
MAP 390 Junior Recital	0 hours
MAP 490 Senior Recital	0 hours
MUS 373 Piano Literature	2 hours
MUS 391 Counterpoint	2 hours
MUS 425 Pedagogy I	2 hours
MUS 426 Pedagogy II	2 hours
MUS 429 Studio Accompanying	1 hour
~~MUS 471 Music Literature~~	~~2 hours~~
Total Emphasis	19 hours
COMBINED TOTALS	65 hours

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	13 hours
COMBINED TOTALS	59 hours

(Of the 16 hours of applied guitar taken, 12 are to be of studio guitar, and 4 of classical.)

6. Vocal

MAP Applied Voice	8 hours
MAP 390 Junior Recital	0 hours
MAP 490 Senior Recital	0 hours
MUS 111,112, 211 It, Fr, Ger 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	19 hours
COMBINED TOTALS	65 hours

REQUIREMENTS FOR A MINOR IN MUSIC

MAP Major Applied Instrument **or** Voice	4 hours
MAP Secondary Applied Piano **or** Voice	3 hours
MEN Ensemble (~~one per semester~~), **or** MUS 429 ~~Studio~~ Accompanying	3 hours
MUS 009 Recital Attendance (4 semesters)	0 hours
MUS 111, 112, 211 It, Fr, Ger Diction (Voice Emphasis Only)	(3 hours)
MUS 191 Elementary Theory I	4 hours
MUS 281, 381 Fundamentals of Conducting **or** Conducting I	2 hours
MUS 371, 372 Music History I **or** II	3 hours
TOTAL	19 (22) hours

RECOMMENDED ELECTIVES

MED 232, 241, 251, 262 Instrument Classes	2 hours
~~MUS 471 Music Literature~~	~~2 hours~~
MUS 481 Vocal Methods & Pedagogy	2 hours

REQUIREMENTS FOR A BACHELOR OF MUSIC - CHURCH MUSIC (B.M. DEGREE) (NO MINOR REQUIRED)

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 Core	~~46~~ 47 hours

* ALL music majors must complete 8 semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the 7 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 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 371 Church Music 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 & Design	
TRE 270 Christian Drama	
SPC 398 Communications & The Media	
Total Church Music Core	33 hours
Total Core & Church Music Core	79 hours

ADDITIONAL EMPHASIS REQUIREMENTS (SELECT ONE)

1. Choral Conducting

MAP Major Applied	4 hours
MAP Secondary Applied (Inst & Voi Majors: Piano; Keyboard Majors: Voice)	2 hours
MAP Applied Voice (Instrument Majors Only)	(2 hours)
MAP 390 Junior Recital	0 hours
MAP 394 Applied Conducting	4 hours
MUS 111, 112, 211 It, Fr, Ger Diction	3 hours
MUS 385 Conducting Seminar	1 hour
MUS 405 Conducting Practicum	1 hour
MUS 481 Vocal Methods & Pedagogy	2 hours
Total Emphasis	17-19 hours
COMBINED TOTALS	96-98 hours

(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	11 hours
COMBINED TOTALS	90 hours

3. Keyboard

MAP Major Applied Keyboard	8 hours
MAP Secondary Applied Keyboard	2 hours
MAP Applied Voice	2 hours
MUS 312 Choral Accompanying	1 hour
MUS 429 Studio Accompanying	1 hour
Total Emphasis	14 hours
COMBINED TOTALS	93 hours

4. Vocal

MAP Applied Voice	8 hours
MUS 111, 112, 211 It, Fr, Ger Diction	3 hours
MUS 481 Vocal Methods & Pedagogy	2 hours
Total Emphasis	13 hours
COMBINED TOTALS	92 hours

REQUIREMENTS FOR A BACHELOR OF MUSIC - PIANO PERFORMANCE (B.M. DEGREE) (NO MINOR REQUIRED)

MAP Applied Piano	32 hours
MAP Applied Voice	4 hours
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 312 Choral Accompanying	1 hour
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 & Analysis	3 hours
MUS 425, 426 Piano Pedagogy I, II	4 hours
MUS 429 Studio Accompanying	2 hours
MUS 462 Orchestration	2 hours
Language electives (French, German, Italian)	8 hours
TOTAL	95 hours

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

* ALL music majors must complete 7 semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the 7 may be taken for credit or audit.

REQUIREMENTS FOR A BACHELOR OF MUSIC - VOICE (B.M. DEGREE) (NO MINOR REQUIRED)

FRE 114 Elementary French I	4 hours
GER 114 Elementary German I	4 hours
Elementary Italian Elective	4 hours
Foreign Language Electives (French, German, Italian)	16 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 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 & Analysis	3 hours
MUS 481 Vocal Methods & Pedagogy	2 hours
**Piano Proficiency	0 hours
TOTAL	110 hours

* ALL music majors must complete 8 semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the 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.

REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION (B.S. DEGREE) (CERTIFICATION REQUIRED) (NO MINOR REQUIRED)

One who desires to work toward certification for teaching music in elementary or high school works towards a Bachelor of Science, following the General Education Program for Teacher Education as outlined on page 123. 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 pages 123 and 124) 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.

Core 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 & Analysis	3 hours
**Piano Proficiency	0 hours
Total Core	45 hours

* ALL music majors must complete 7 semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the 7 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 & Senior High School	3 hours
MUS 167 Class Guitar	1 hour
MUS 382 Conducting II	2 hours
Total Music Education Core	49-60 hours
Total Core & Music Education Core	94-105 hours

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 & Pedagogy	2 hours
Total Emphasis	7 hours
COMBINED TOTALS	101-112 hours

(Of the 7 hours of applied guitar taken, 5 are to be of studio guitar and 2 of clasical guitar.)

2. Piano/Organ

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 Studio Accompanying	1 hour
MUS 471 Music Literature	4 hours
Total Emphasis	11 hours
COMBINED TOTALS	105-116 hours

3. Vocal

MAP 390 Junior Recital	0 hours
MUS 111, 112, 211 It, Fr, Ger Diction	3 hours
MUS 411 Choral Arranging	2 hours
MUS 375, 376 Song Literature I, II	4 hours
Total Emphasis	9 hours
COMBINED TOTALS	103-114 hours

4. Choral Conducting

MAP Major Applied, Jr/Sr (3 audit hours)	0 hours
MAP Secondary Applied	2 hours
MAP 394 Applied Conducting (4 audit hours)	0 hours
MAP 490 Senior Recital	0 hours
MUS 111, 112, 211 It, Fr, Ger Diction	3 hours
MUS 385 Conducting Seminar	1 hour
MUS 391 Counterpoint	2 hours
MUS 403 Advanced Rehearsal Techniques	2 hours
MUS 405 Conducting Practicum	1 hour
MUS 411 Choral Arranging	2 hours
MUS 471 Music Literature	3 hours
MUS 481 Vocal Methods & Pedagogy	2 hours
Total Emphasis	17 hours
COMBINED TOTALS	111-122 hours

(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 Organization	2 hours
MED 442 Instrumental Literature & 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 & Pedagogy	2 hours
Total Emphasis	14 hours
COMBINED TOTALS	108-119 hours

(MED 381 Not Required for Secondary Certification)

REQUIREMENTS FOR A MINOR IN MUSIC EDUCATION

MAP Major Applied Voice **or** Instrument	4 hours
MAP Secondary Applied in Piano **or** Voice	2 hours
MED 232, 241, 251, 262 Instrument classes	2 hours
MED 381 Music in the Elem Grades **or** MED 382 Music in the Jr and Sr High School	3 hours
MEN Ensemble (~~one per~~ semester), MUS 429 ~~Studio~~ Accompanying	3 hours
MUS 009 Recital Attendance (4 semesters)	0 hours
MUS 111, 112, 211 It, Fr, Ger Diction (voice emphasis only)	(3 hours)
MUS 191 Elementary Theory I	4 hours
MUS 371 **or** MUS 372 Music History I **or** II	3 hours
MUS 381 Conducting I	2 hours
TOTAL	22 (25) hours

DEGREE REQUIREMENTS — SPEECH/THEATRE

REQUIREMENTS FOR A MINOR IN 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	19 hours

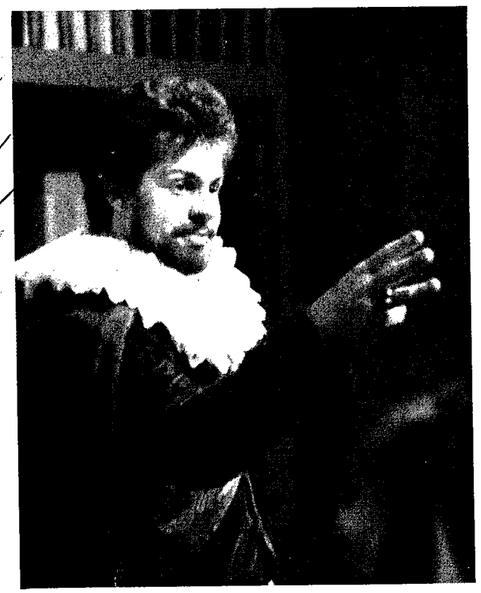
REQUIREMENTS FOR A MAJOR IN THEATRE/SPEECH (B.A. DEGREE)

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 Intro 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, 255 Acting II **or** Stage Movement	3 hours
TRE 270, 440 Christian Drama **or** Stage Lighting	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	45 hours

*Students are required to select three out of four available participation credit.

REQUIREMENTS FOR A MAJOR IN THEATRE/DRAMA (B.S. DEGREE)

TRE 120 Intro 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, 270 Stage Makeup **or** Christian Drama	3 hours
TRE 250 Acting II	3 hours
TRE 255, 455 Stage Movement **or** Acting III	3 hours
TRE 300 Theatre Participation	1 hour
TRE 340 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	3 hours
TRE 498 Stage Direction	3 hours
TOTAL	45 hours



REQUIREMENTS FOR A MINOR IN THEATRE

~~C 318 Voice and Diction~~	~~3 hours~~
RE 120 Introduction to Theatre	3 hours
RE 140, 340 Stagecraft	3 hours
RE 150 Acting I	3 hours
RE 200, 300 Theatre Participation	1 hour
RE 370, 371 Theatre History I **or** II	3 hours
RE 498 Stage Direction	3 hours
TOTAL	19 hours

APPLIED MUSIC

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
Every semester/1 hour
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
Every semester/1-4 hours
A study of vocal technique, including fundamentals of voice production, principles of breathing, study of vowels, and essentials of tone production. Instruction includes vocalizes, phrasing, tone color, diction, style and interpretation of standard vocal repertoire.

MAP 219 APPLIED VOICE
Every semester/1-4 hours
Continuation of **MAP 119**. *Prerequisite: MAP 119.*

MAP 319 APPLIED VOICE
Every semester/1-4 hours
Continuation of **MAP 219**. Designed to prepare for Junior Recital. *Prerequisites: MAP 219, Junior standing, completion of Diction requirements and successful passing of a Voice Upper Level Proficiency Jury.*

MAP 419 APPLIED VOICE
Every semester/1-4 hours
Continuation of **MAP 319**. Designed to work toward Senior Recital. *Prerequisites: MAP 319 and Senior standing.*

MAP 389 APPLIED THEORY
Every semester/1 hour
Private instruction in composition. Designed to provide background for the production of senior composition. Three semester hours are required.

MAP 489 APPLIED THEORY
Every semester/1 hour
Continuation of **MAP 389**. Three semester hours are required.

MAP 129 APPLIED ORGAN
Every semester/1-2 hours
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 229 APPLIED ORGAN
Every semester/1-2 hours
Continuation of **MAP 129**. *Prerequisite: MAP 129.*

MAP 329 APPLIED ORGAN
Every semester/1-2 hours
Continuation of **MAP 229**. Designed to prepare for a Junior Recital. *Prerequisites: MAP 229 and Junior standing.*

MAP 429 APPLIED ORGAN
Every semester/1-2 hours
Continuation of **MAP 329**. Designed to prepare for a Senior Recital. *Prerequisites: MAP 329 and Senior standing.*

MAP 129 APPLIED PIANO
Every semester/1-2 hours
Private instruction in the study of piano technique, including major and minor scales in octaves, scales in thirds, sixths and tenths, broken chord exercises and arpeggios in sevenths. Literature to be studied over a progression of semesters includes works by J.S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy, Prokofiev and other outstanding composers.

MAP 229 APPLIED PIANO
Every semester/1-2 hours
Continuation of **MAP 129**. *Prerequisite: MAP 129.*

MAP 329 APPLIED PIANO
Every semester/1-2 hours
Continuation of **MAP 229**. Designed to work toward a Junior Recital. *Prerequisites: MAP 229 and Junior standing.*

MAP 429 APPLIED PIANO
Every semester/1-2 hours
Continuation of **MAP 329**. Designed to work toward a Senior Recital. *Prerequisites: MAP 329 and Senior standing.*

MAP 139 APPLIED WOODWINDS
Every semester/1-2 hours
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 are studied from recognized composers.

MAP 239 APPLIED WOODWINDS
Every semester/1-2 hours
Continuation of **MAP 139**. *Prerequisite: MAP 139.*

MAP 339 APPLIED WOODWINDS
Every semester/1-2 hours
Continuation of **MAP 239**. Designed to prepare for a Junior Recital. *Prerequisites: MAP 239 and Junior standing.*

MAP 439 APPLIED WOODWINDS
Every semester/1-2 hours
Continuation of **MAP 339**. Designed to prepare for a Senior Recital. *Prerequisites: MAP 339 and Senior standing.*

MAP 149 APPLIED BRASS
Every semester/1-2 hours
Private instruction in a brass instrument of the student's choice. Same format as **MAP 139** (above).

MAP 249 APPLIED BRASS
Every semester/1-2 hours
Continuation of **MAP 149**. *Prerequisite: MAP 149.*

MAP APPLIED BRASS
349 *Every semester/1-2 hours*
Continuation of **MAP 249**. Designed to prepare for a Junior Recital. *Prerequisites: MAP 249 and Junior standing.*

MAP APPLIED BRASS
449 *Every semester/1-2 hours*
Continuation of **MAP 349**. Designed to prepare for a Senior Recital. *Prerequisites: MAP 349 and Senior standing.*

MAP APPLIED PERCUSSION
159 *Every semester/1-2 hours*
Private instruction in a percussion instrument of the student's choice. Same format as **MAP 139** (above).

MAP APPLIED PERCUSSION
259 *Every semester/1-2 hours*
Continuation of **MAP 159**. *Prerequisite: MAP 159.*

MAP APPLIED PERCUSSION
359 *Every semester/1-2 hours*
Continuation of **MAP 259**. Designed to prepare for a Junior Recital. *Prerequisites: MAP 259 and Junior standing.*

MAP APPLIED PERCUSSION
459 *Every semester/1-2 hours*
Continuation of **MAP 359**. Designed to prepare for a Senior Recital. *Prerequisites: MAP 359 and Senior standing.*

MAP APPLIED STRINGS
169 *On demand/1-2 hours*
Violin, Viola, Cello, String Bass private instruction. Same format as **MAP 139** above.

MAP APPLIED STRINGS
269 *On demand/1-2 hours*
Continuation of **MAP 169**. *Prerequisite: MAP 169.*

MAP APPLIED STRINGS
369 *On demand/1-2 hours*
Continuation of **MAP 269**. Designed to prepare for Junior Recital. *Prerequisites: MAP 269 and Junior standing.*

MAP APPLIED STRINGS
469 *On demand/1-2 hours*
Continuation of **MAP 369**. Designed to prepare for Senior Recital. *Prerequisites: MAP 369 and Senior standing.*

MAP APPLIED CLASSICAL OR STUDIO GUITAR
169 *Every semester/1-2 hours*
The student is given a choice for the study of either Classical or Studio Guitar. Classical Guitar provides private study in technique and scales along with various styles and composers; the goal is classical performance. Studio Guitar provides a series of private instruction designed to prepare the student for professional studio performance through a concentration on varied styles and improvisation.

MAP APPLIED CLASSICAL OR STUDIO GUITAR
269 *Every semester/1-2 hours*
Continuation of **MAP 169**. *Prerequisite: MAP 169.*

MAP APPLIED CLASSICAL OR STUDIO GUITAR
369 *Every semester/1-2 hours*
Continuation of **MAP 269**. Designed to prepare for a Junior Recital. *Prerequisites: MAP 269 and Junior standing.*

MAP APPLIED CLASSICAL OR STUDIO GUITAR
469 *Every semester/1-2 hours*
Continuation of **MAP 369**. Designed to prepare for a Senior Recital. *Prerequisites: MAP 369 and Senior standing.*

MAP JUNIOR RECITAL
390 *Every semester/No credit*
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 APPLIED CONDUCTING
394 *Every semester/1-4 hours*
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 standing.*

MAP DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

MAP SENIOR RECITAL
490 *Every semester/No credit*
Same format as **MAP 390** only one hour in length. Theory majors may choose presentation of original composition with a Major ensemble.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

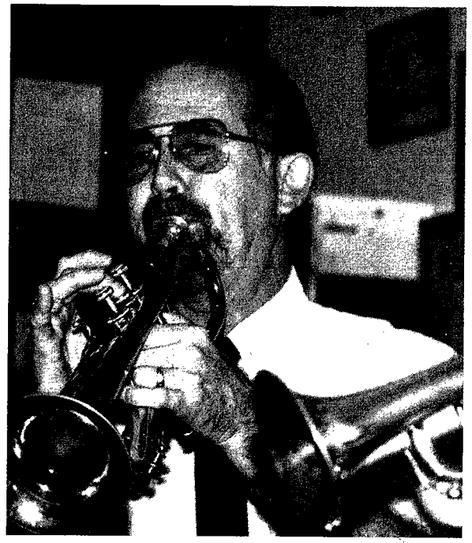
CHURCH MUSIC

MCH SOUTHERN BAPTIST CHURCH MUSIC CONFERENCE
003 *Every semester/No credit*
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 CHOIR METHODS I
320 *Fall, 1989 and alternate years/2 hours*
Study and practice of current and traditional philosophies, methods, and materials for use with preschool through sixth grade church choirs. *Prerequisite: Junior standing.*

MCH CHOIR METHODS II
321 *Spring, 1990 and alternate years/2 hours*
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 standing.*

MCH INSTRUMENTAL MUSIC IN THE CHURCH
330 *Fall, 1990 and alternate years/2 hours*
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 standing.*



MCH CHURCH MUSIC LITERATURE
371 *Spring, 1992 and alternate years/3 hours*
A survey of sacred solo and choral literature from the Renaissance to the present. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness in worship.

MCH HYMNOLOGY
372 *Fall, 1990 and alternate years/3 hours*
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 MUSIC IN WORSHIP
378 *Fall, 1991 and alternate years/3 hours*
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 DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

MCH CHURCH MUSIC SEMINAR - PRACTICUM
405 *On demand/2 hours*
A study of theory and practice of the music ministry in the local church with emphasis on philosophy, administration, graded choir methods, organ orientation, musical drama, and basic electronic media skills. Lectures by outstanding guest authorities. The student will spend an internship of eight weeks in a local church with an eligible minister of music, and will observe and put into practice graded choir techniques. *Prerequisites: MCH 371, 372, 378, MUS 381, or instructor's approval.*

MUSIC EDUCATION

MED WOODWIND INSTRUMENT CLASS
232 *Every Spring/1 hour*
A practical study of the high and low woodwind instruments. The student learns to play, care for and teach each instrument. *Prerequisite: Sophomore standing.*

MED BRASS INSTRUMENT CLASS
241 *Every Fall/1 hour*
A practical study of the high and low brass instruments. The student learns to play, care for, and teach each instrument. *Prerequisite: Sophomore standing.*

MED PERCUSSION INSTRUMENT CLASS
251 *Every Fall/1 hour*
Same format as **MED 241**, except pertaining to percussion instruments. *Prerequisite: Sophomore standing.*

MED STRING INSTRUMENT CLASS
262 *Every Spring/1 hour*
A practical study of the high and low string instruments. The student learns to play, care for, and teach each instrument. *Prerequisite: Sophomore standing.*

MED INSTRUMENTAL MUSIC ORGANIZATION
351 *Every Fall/2 hours*
An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes philosophy, marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and equipment, library, uniforms, inventory, tests and measurements, finance, and development of a complete instrumental program. *Prerequisites: MED 232, 241, 251, 262 and MUS 292.*

MED MUSIC IN THE ELEMENTARY GRADES
381 *Every Fall/3 hours*
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 MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL
382 *Every Spring/3 hours*
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, 381, or instructor's approval.*

MED DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

MED INSTRUMENTAL LITERATURE & PEDAGOGY
442 *Every Fall/2 hours*
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: Junior standing and MUS 292.*

MUSIC ENSEMBLES

MEN UNIVERSITY CHORUS
109 *Every semester/1 hour*
Non-auditioned ensemble open to all students of the university. All vocal majors are required to participate. The purpose is for the performance of large choral works with at least one major performance each semester. Two rehearsals per week. *Prerequisite: Instructor's approval.*

MEN WOMEN'S CHORUS
119 *Every semester/1 hour*
Non-auditioned women's ensemble open to all interested singers (required for freshmen vocal music majors). Several performances throughout each semester. Performance of a wide variety of treble literature from all periods of music history. Four rehearsals per week. *Prerequisite: Instructor's approval.*

MEN SMALL JAZZ ENSEMBLE
129 *Every semester/1 hour*
A performing Ensemble designed to give the student experience performing Jazz material in a small ensemble setting.

MEN WIND ENSEMBLE
139 *Every semester/1 hour*
The Wind Ensemble is made up of Music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their college career. The literature performed is selected from the finest contemporary and traditional repertoire.

MEN JAZZ BAND
149 *Every semester/1 hour*
Performance of Jazz oriented material written or arranged for the Jazz Band.

MEN BASKETBALL BAND
159 *Every semester/No credit*
Organized specifically for Basketball season. Membership is determined by audition and is open to any student with instrumental experience. Must enroll Fall and Spring. Rehearsals are on a T.B.A. basis.

MEN CHAMBER ORCHESTRA
169 *On demand/1 hour*
Study and performance of chamber orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theatre productions.

MEN COLLEGIUM MUSICUM
179 *Every semester/1 hour*
An advanced vocal ensemble for music majors. *Prerequisite: Instructor's approval.*

MEN GRAND CANYON CHORALE
301 *Every semester/1 hour*
Select, auditioned ensemble of 45-55 voices. Primary touring ensemble with annual spring tour. Performance of a wide variety of choral music from all periods of music history. Four rehearsals per week. *Prerequisites: Audition (in Spring), enrollment in applied voice and University Chorus.*



MEN CANYON SINGERS
302 *Every semester/1 hour*
Select, auditioned ensemble of 8-16 voices which performs various styles of music, yet the principle style reflects a contemporary Christian flavor. Regular performing throughout each semester with the possibility of an extended tour. *Prerequisites: Audition and enrollment in applied voice and University Chorus.*

MUSIC

MUS RECITAL ATTENDANCE
009 *Every-semester/No credit*
Thursday afternoon studio, area, and departmental recitals required of all music and performing arts majors and minors. Details listed in Music Student Handbook.

MUS FUNDAMENTALS OF MUSIC
105 *Every semester and Summer/2 hours*
Designed for every individual interested in acquiring skill as well as a theoretical grasp of the basic elements involved in the reading, writing, performance and understanding of music. No credit toward degree for music majors.

MUS DICTION: ITALIAN
111 *Every Fall/1 hour*
A laboratory devoted to phonetic sounds of Italian as used by a singer. Prerequisite course to upper level Applied Voice.

MUS DICTION: FRENCH
112 *Every Spring/1 hour*
A laboratory devoted to phonetic sounds of French as used by a singer. Prerequisite course to upper level Applied Voice. Student having 2 years high school French or 1 year college French may test out of this course.

MUS DICTION: GERMAN
211 *Every Spring/1 hour*
A laboratory devoted to phonetic sounds of German as used by a singer. Prerequisite course to upper level Applied Voice. Student having 2 years high school German or 1 year college German may test out of this course.

MUS CLASS GUITAR
167 *Every semester/1 hour*
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 CHAMBER MUSIC ENSEMBLES
189 *Every semester/1 hour*
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 ELEMENTARY THEORY OF MUSIC I
191 *Every Fall/4 hours*
Designed for Music majors and minors, this is an integrated course in musicianship, including ear training, sight-singing, dictation, written and keyboard harmony. Study is devoted to the structure of music for the purpose of developing skill in creative expression as well as skill in analyzing and understanding music being studied or performed. 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 ELEMENTARY THEORY OF MUSIC II
192 *Every Spring/4 hours*
Continuation of **MUS 191**. Grade of "C" or above necessary for advancement. *Prerequisite: MUS 191, or equivalent.*

MUS OPERA WORKSHOP
219 *Every Fall/3 hours*
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 MODERN RHYTHMS & STYLES I
220 *Every Fall/2 hours*
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 MODERN RHYTHMS & STYLES II
221 *Every Spring/2 hours*
A continuation of **MUS 220**. *Prerequisite: MUS 220 or instructor's approval.*

MUS HANDBELL TECHNIQUES
226 *Every Fall/2 hours*
A study of handbell techniques, materials, and methods of organizing and training handbell choirs for school and church. *Prerequisite: Music reading ability.*

MUS MUSIC APPRECIATION
252 *Every semester/3 hours*
Designed specifically for non-Music majors and minors, this course contributes to the intellectual, emotional and aesthetic understanding of music as expression, as science, and as an art closely kin to the other fine arts. Great works of music are heard in order that the student may gain insight into music's inner workings and that may develop a discriminating, intelligent appreciation of the best in music.

MUS FUNDAMENTALS OF CONDUCTING
281 *Fall, on demand/2 hours*
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 ADVANCED THEORY OF MUSIC I
291 *Every Fall/4 hours*
Advanced study in partwriting, including chromatic and other non-harmonic tones; further study in sight-singing and dictation; 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.*

MUS ADVANCED THEORY OF MUSIC II
292 *Every Spring/4 hours*
Continuation of **MUS 291**. Grade of "C" or above necessary for advancement. *Prerequisite: MUS 291 or equivalent.*

MUS CHORAL ACCOMPANYING
312 *Every Fall/1 hour*
Study of the problems encountered in the accompaniment of choral literature, with an emphasis in open score reading and techniques of rehearsal accompanying. Practical experience will be gained by accompanying for conducting classes and performing ensembles.

MUS BASIC MODERN ARRANGING I
315 *Every Fall/2 hours*
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, 192, 291, 292 or instructor's approval.*

MUS BASIC MODERN ARRANGING II
316 *Every Spring/2 hours*
A continuation of **MUS 315**. *Prerequisite: MUS 315 or instructor's approval.*

MUS RECORDING STUDIO PERFORMANCE
318 *Every Spring/No credit*
A two-hour seminar designed to introduce students to recording studio performance. Covers "must know" information for any instrumentalist, vocalist, director, arranger or future producer. Utilizes recorded demos, lecture and questions-and-answers to teach: performance criteria, studio layout, manners and protocol, overdubbing, and cue mixes.

MUS OPERA WORKSHOP
319 See **MUS 219**.

MUS JAZZ IMPROVISATION
320 *Every semester/1 hour*
A course designed to introduce the student to improvising, with emphasis on scales, modes and arpeggios. *Prerequisites: MUS 105, 191, or instructor's approval.*

MUS COMMERCIAL MUSIC SEMINAR
350 *Every Spring/3 hours*
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.*

MUS MUSIC HISTORY I
371 *Every Fall/3 hours*
A survey of music from primitive times to the early 19th century; presents the growth of music through the contrapuntal schools culminating in the work of J.S. Bach; the development of opera and oratorio; and the rise of homophonic music through the Classical Period of Haydn and Mozart. Designed for Music majors and minors. *Prerequisite: Upper class standing or instructor's approval.*

MUS MUSIC HISTORY II
372 *Every Spring/3 hours*
A survey of music from the early 19th century to modern times. Study is devoted to the art song, the nationalistic schools, the principal composers of the Romantic and Contemporary periods and their masterpieces. Designed for Music majors and minors. *Prerequisite: Upper class standing or instructor's approval.*

MUS PIANO LITERATURE I
373 *Fall, 1990, and alternate years/2 hours*
Baroque and Classical periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. *Prerequisite: MUS 371 or instructor's approval.*

MUS PIANO LITERATURE II
374 *Spring, 1990, and alternate years/2 hours*
Romantic and Contemporary periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. *Prerequisite: MUS 371 or instructor's approval.*

MUS SONG LITERATURE I
375 ~~*Every*~~ *Fall/2 hours*
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: Upper class standing or instructor's approval.*

MUS SONG LITERATURE II
376 ~~*Every*~~ *Spring/2 hours*
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: Upper class standing or instructor's approval.*

MUS CONDUCTING I
381 *Every Fall/2 hours*
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 standing, completion of Music Theory and Music History degree requirements and instructor's approval.*

MUS CONDUCTING II
382 *Every Spring/2 hours*
Continuation of **MUS 381** with greater attention being given to instrumental music. Includes study of choral and instrumental literature. Emphasis is placed upon score reading, artistic interpretation and the conducting of marches, overtures, symphonies, and larger works. First hand experience with performing group may be provided. *Prerequisite: MUS 381.*

MUS CONDUCTING SEMINAR
385 ~~*Every Fall*~~*/1 hour*
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 COUNTERPOINT
391 *Every Spring/2 hours*
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 manner of J.S. Bach. *Prerequisite: MUS 292.*

MUS FORM AND ANALYSIS
392 *Every Fall/3 hours*
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 DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

MUS PRACTICUM
399 *On demand/1-4 hours* See page 51.

MUS ADVANCED REHEARSAL TECHNIQUES
403 *Every Fall/2 hours*
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 CONDUCTING PRACTICUM
405 ~~*Every semester*~~*/1 hour*
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, 403 and instructor's approval.*

MUS CHORAL ARRANGING
411 *Every Fall/2 hours*
A course designed to teach the prospective music teacher the skill of choral arranging and to help the student meet the day to day demands placed on a general music teacher or a secondary choral director. *Prerequisites: MUS 292 and instructor's approval.*

MUS ADVANCED ARRANGING I
412 *Every Fall/2 hours*
For the serious student who plans to arrange on a professional basis. Will include the complexities of harmony notation, orchestration, recording studio writing and producing, commercial jingle production, film and T.V. writing, writing for publication and professional protocol. Must be followed by Advanced Arranging II. *Prerequisites: MUS 220, MUS 315/316, and MUS 221.*

MUS ADVANCED ARRANGING II
413 *Every Spring/2 hours*
Continuation of **MUS 412**. *Prerequisite: MUS 412 or instructor's approval.*

MUS ORGAN LITERATURE AND ACCOMPANIMENT
421 *On demand/1 hour*
Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignment for accompanying a choir is given. *Prerequisites: Two years of Applied Organ, MAP 129 and 229.*

MUS PIANO PEDAGOGY I
425 *Fall 1989, and alternate years/2 hours*
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 PIANO PEDAGOGY II
426 *Spring, 1990, and alternate years/2 hours*
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 ACCOMPANYING
429 *Every Spring/1 hour*
A study and application of accompanying techniques in vocal and instrumental music. Students are assigned a vocalist and instrumentalist with whom to work for the semester. Maximum of 2 semester hours (1 credit hour each) allowed. *Prerequisite: Instructor's approval.*

MUS ORCHESTRATION
462 *Every Spring/2 hours*
A course designed to present the practical fundamentals of orchestration of all of the current instruments in the string, woodwind, brass and percussion families. *Prerequisites: MUS 292 and instructor's approval.*

MUS MUSIC LITERATURE
471 *Spring, alternate years/2 hours*
A survey of music literature including masterworks of chamber music, symphony, concerto, choral music, and opera with emphasis on style, aesthetics, and musical terminology. *Prerequisites: MUS 292, 371, 372, 373 or instructor's approval.*

MUS VOCAL METHODS AND PEDAGOGY
481 *Every Fall/2 hours*
A study of skills for the teaching of voice to individuals or groups. The physical voice is studied and potential vocal problems analyzed; historical methods of correction are presented. Guest lecturers present current ideas. *Prerequisite: MAP 219 or instructor's approval.*

MUS MODERN HARMONY
492 *Fall, 1989, and alternate years/2 hours*
An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing. *Prerequisite: MUS 292 or equivalent.*

MUS INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

SPEECH

SPC FUNDAMENTALS OF SPEECH
113 *Every semester/3 hours*
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. Required, or equivalent, for education majors.

SPC SPEECH PARTICIPATION
200 *Every semester/1 hour*
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 GROUP DISCUSSION
292 *Spring, 1991, and alternate years/3 hours*
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 SPEECH PARTICIPATION
300 See **SPC 200** (above).

SPC ADVANCED PUBLIC SPEAKING
311 *Every Fall/3 hours*
An intense study of the techniques and practice of public speaking with emphasis on forensics. Provision is made for participation in tournament speaking. *Prerequisite: SPC 113 or instructor's approval.*

SPC VOICE AND DICTION
318 *Every Fall/3 hours*
A basic study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation.

SPC ORAL INTERPRETATION OF LITERATURE
378 *Every Spring/3 hours*
A study of the methods and techniques of interpretative oral reading of varied types of literature.

SPC DEPARTMENTAL TUTORING
396 *Every semester/2 hours*
For course description see **ACC 396** on page 112.

SPC COMMUNICATIONS AND THE MEDIA
398 *Spring, 1990, and alternate years/3 hours*
A study of communication techniques for mass media, with emphasis on oral communications. Advertising, news reporting, programming, and children's television will be explored.

SPC PRACTICUM
399 *On demand/1-4 hours* See page 51.

SPC INDEPENDENT STUDY
499 *On demand/1-4 hours* See page 51.

TUT VOLUNTEER TUTORING
300/400 *Every semester/No credit*
For course description see **TUT 300/400** on page 112.

THEATRE AND DRAMA

TRE 120 INTRODUCTION TO THE THEATRE
Every Fall/3 hours
The study of dramatic structure, dramatic literature, period styles and various types of drama.

TRE 140 STAGECRAFT
Every semester/3 hours
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 ACTING I
Fall, 1990, and alternate years/3 hours
Principles of pantomime and dramatic action de signed to establish the proper relationship of the voice to the body and its functions in the interpreta tion of character. Designed also to help develop coor dination, 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 THEATRE PARTICIPATION
Every semester/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 250 ACTING II
Spring, 1991, and alternate years/3 hours
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 STAGE MOVEMENT
Every Fall/3 hours
Theories and technical practices of 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
Spring, 1990, and alternate years/3 hours
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
See **TRE 200** (above).

TRE 340 STAGECRAFT
See **TRE 140** (above).

TRE 346 COSTUME DESIGN
Spring, every third year/3 hours
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)
Spring, 1991, and alternate years/3 hours
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)
Spring, 1990, and alternate years/3 hours
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
Fall, 1989, and alternate years/3 hours
A comprehensive study of the major periods and forms of dramatic literature dating from early Greece through the present. *Prerequisite: TRE 120.*

TRE 376 DRAMATIC LITERATURE II
Fall, every third year/3 hours
A comprehensive study of the major periods and forms of dramatic literature dating from the Restoration period to the present. *Prerequisite: TRE 120 or instructor's approval.*

TRE 378 HISTORY AND LITERATURE OF THE LYRIC STAGE
On demand/3 hours
In-depth study of the lyric stage; divided into 3 categories: sacred music drama, from the Medieval musical plays to contemporary church musicals; general music drama, from opera to Broadway musical; children's musical theatre, both for children and with children. Open to non-majors.

TRE 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

TRE 400 THEATRE PARTICIPATION
Every semester/1 hour
See **TRE 200** (above).

TRE 440 STAGE LIGHTING AND DESIGN
Spring, 1990, and alternate years/3 hours
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.

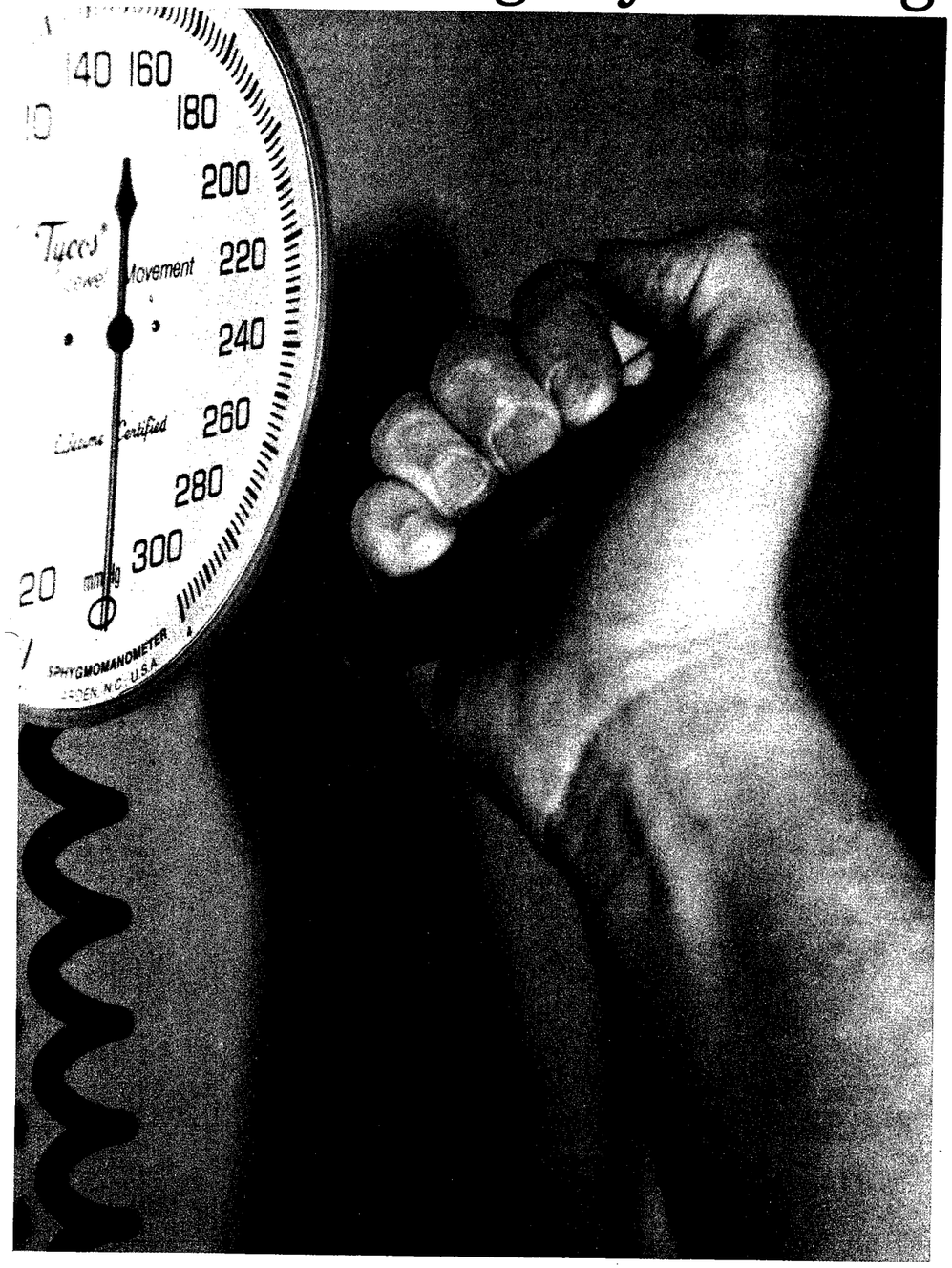
TRE 455 ACTING III - SCENE STUDY
Spring, every third year/3 hours
Scene study is the final course of the acting series. Students will be involved with intense duet scene work from a wide variety of playwrights. Students will also work on audition pieces in this course.
Prerequisites: TRE 150 and 250.

TRE 498 STAGE DIRECTION
Spring, 1990, and alternate years/3 hours
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 for public performance.
Prerequisite: TRE 120 or instructor's approval.

TRE 499 INDEPENDENT STUDY
On demand/1-4 hours See page 51.

TUT 300/400 VOLUNTEER TUTORING
Every semester/No credit
For course description see **TUT 300/400** on page 112.

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 liberal arts and natural sciences departments. The curriculum leads to the degree of Bachelor of Science in Nursing. Courses are designed to assist the student to assess individual, family and communities; to utilize Functional Health Patterns within a variety of clinical settings; to formulate nursing diagnosis, plan nursing interventions and to function as a professional within the health team. Emphasis is on both a strong academic foundation and nursing practice. The student will have supervised clinical experiences in health care agencies within the metropolitan area. The student is responsible for personal transportation and uniform expenses necessary for the nursing major. Students are also expected to reflect the stated purpose of Grand Canyon University while representing the nursing program in the various clinical areas.

A one day Department Seminar attendance is required of students prior to acceptance to the nursing major. It is scheduled twice a semester to present the philosophy and curriculum. Application information is available for purchase in the campus bookstore. Deadline for application to the Fall semester is in March and the Spring semester is in November. The application procedure requires a completed application form, an interview, three selected references, successful completion of Math and Writing Proficiency exams, satisfactory completion of nursing prerequisites, and space availability. Approval of acceptance into the Samaritan College of Nursing is determined by the Academic Standards Committee. Priority for acceptance is given to students who have completed their first three semesters in residence at Grand Canyon University. A cumulative grade point average (GPA) of 2.5 and a GPA of 2.8 in prerequisite courses is recommended. There is an adjusted curriculum for returning R.N. students.

Admission to Grand Canyon University does not guarantee acceptance into the nursing program. Graduation from the nursing program requires successful completion of the sequential coursework and all general studies. After two consecutive semesters in the nursing major, students must maintain a 2.5 GPA average in nursing major courses.

Registered Nurse licensing requirements are the exclusive responsibility of the State Board of Nursing (Nurse Practice Act A.R.S. Sections 32-1632, 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 nursing faculty at a low faculty-to-student ratio of 1:8 to 1:10.

CLINICAL EMPHASIS

Nursing practice in the hospital starts in the sophomore year. The last two years are approximately 22-24 hours per week in the clinical agency to apply theory in patient-care situations.

SENIOR NURSING INTERNSHIP

This last course of the program assists the student in role transition and gaining confidence in a specialty area. Students may select practice areas such as emergency department, intensive care, or labor and delivery in this course.

HEALTH ISSUES PROJECTS

An independent study of student selected topics is developed throughout the major. Each semester the student will have activities such as contacting community resources, writing legislators or literature reviews. A final research study is presented at the final senior seminar.

EMPLOYMENT OPPORTUNITIES

Development of resume and interview skills are part of the senior studies. Seniors are recruited heavily for employment by local hospitals prior to graduation. Agencies frequently contact the College of Nursing to request students for employment in summers or holidays.

NURSING SCHOLARSHIP

Designated funds are allocated for nursing students based upon previous academic work and financial need. Pre-nursing scholarships are available to high school seniors, transfer and returning students. Contact the College of Nursing for more information.

SMALL, PRIVATE UNIVERSITY

There is accessibility of faculty for questions, personal concerns and academic planning. (Our success is evident in our graduates who consistently score high on the national board exam.) Each nursing class is limited to 20 students per semester. Students frequently cite close relationships among friends and faculty as one of the highlights of the College of Nursing.

FACILITY

A new building provides an academic setting for an optimal educational experience. Student parking is in an adjacent lot. A learning resource area with computer terminals 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.

JANUARY TERM

Grand Canyon offers a three-week winter term (the first three weeks of January) that allows students to choose non-traditional studies such as international tours. The nursing program offers a variety of health-related topics at this time including: rural health care, health promotion and physical assessment, nutrition, and operating-room nursing.

SPIRITUAL EMPHASIS

Recognition of the spiritual needs of all persons is included as an integral part of caring for self and others. An 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 Medical Center, Maryvale Samaritan Hospital, West Valley Camelback Hospital, Phoenix Children's Hospital, Thunderbird Samaritan Hospital and Phoenix Baptist Hospital.



ADVANCED EDUCATION/ CERTIFICATE PROGRAMS

The College of Nursing is offering the following advanced nursing education programs: Gerontology Nursing, Flight Nursing, and Neonatal Nurse Practitioner Programs.

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, Guaranteed Student Loan Program, Department Scholarship, Academic Scholarship and agency tuition reimbursement programs.

The following information is in three sections. The first is for the generic or transfer student, the second for students who are Associate Degree Nurse (A.D.N.) registered nurses. Section three is course descriptions.

DEGREE REQUIREMENTS — NURSING

Section I. Information for Generic Student

PREREQUISITES FOR NURSING

BIO 201, 202 Anatomy & Physiology	8 hours
BIO 205 Microbiology	4 hours
CHE 101, 102 Chemistry	8 hours
EEW 101, 102 Grammar/Composition	6 hours
MAT 120 Intermediate Algebra (MAT 095 may be required based on math placement exam)	3 hours
NUR 204 Nutrition	3 hours
PSY 101 General Psychology	3 hours
PSY 250 Growth & Development	3 hours
SOC 101 Principles of Sociology	3 hours
TOTAL	41 hours

NURSING MAJOR REQUIREMENTS

NUR 202 Fundamentals of Nursing	8 hours
NUR 203 Pharmacology	3 hours
NUR 301 Concepts of Med/Surgery Nursing	6 hours
NUR 302 Mental Health Nursing	6 hours
NUR 303 Maternity Nursing	6 hours
NUR 304 Pediatric Nursing	6 hours
NUR 401 Community Health Nursing	6 hours
NUR 402 Advanced Med/Surg Nursing	6 hours
NUR 403 Nursing Leadership & Management	6 hours
NUR 404 Research, Trends & Issues in Nursing	3 hours
NUR 498 Senior Nursing Internship	3 hours
TOTAL	59 hours

REQUIREMENTS FOR GRADUATION NOT MET BY NURSING PREREQUISITES

CHRISTIAN STUDIES	6 hours
BIB 113 Old Testament History	
BIB 123 New Testament History	
HUMANITIES	6 hours
PHI 311 Ethics for the Professions	
Humanities elective	
SOCIAL SCIENCES	3 hours
HIS 101, 102, 103, **or** 104	
SCIENCES	3 hours
PSY 363 Intro to Statistics	
PHYSICAL EDUCATION	2 hours
Two different activity courses	
ELECTIVES/JANUARY TERM	9 hours
(Nutrition is counted as one January Term)	
TOTAL	29 hours

TOTAL REQUIREMENTS FOR B.S.N. GRADUATION 129 hours



Suggested Curriculum Plan Generic or Transfer Students

Freshman Year

1st Semester	
EEW 101 Grammar/Composition	3
BIO 201 Anatomy & Physiology	4
CHE 101 Chemistry	4
MAT 120 Intermediate Algebra*	3
PE Activity**	1
	15cr
2nd Semester	
EEW 102 Composition/Literature	3
BIO 202 Anatomy & Physiology	4
CHE 102 Chemistry	4
PSY 101 General Psychology	3
PE Activity**	1
	15cr

January Term - 3cr

Sophomore Year

1st Semester	
NUR 201 Goals in Health Care	2
BIO 205 Microbiology	4
PSY 250 Growth & Development	3
SOC 101 Principles of Sociology	3
Bible or History**	3
	15cr
2nd Semester	
NUR 202 Fundamentals of Nursing	8
NUR 203 Intro to Pharmacology	3
PSY 363 Intro to Statistics	3
	14cr

January Term - 3cr
NUR 204 Nutrition

Junior Year

1st Semester	
NUR 301 Concepts of Med/Surg Nrsg	6
NUR 302 Mental Health Nursing	6
Bible or History**	3
	15cr
2nd Semester	
NUR 303 Maternity Nursing	6
NUR 304 Pediatric Nursing	6
Bible or History**	3
	15cr

January Term - 3cr

Senior Year

1st Semester	
NUR 401 Community Health Nursing	6
NUR 402 Advanced Med/Surg Nursing	6
PHI 311 Ethics for the Professions	3
	15cr
2nd Semester	
NUR 403 Nursing Leadership/Mgmt	6
NUR 404 Research, Trends & Issues	3
NUR 498 Senior Nursing Internship	3
Humanities Elective	3
	15cr

Total hours for Bachelor of Science in Nursing 129 hours

* Based on math placement exam, MAT 095 may be recommended.

** Required for graduation, not a prerequisite to the nursing major.

This schedule may be adjusted due to individual needs.

Section 2. Information for Registered Nurse A.D.N. Graduates

PREREQUISITES FOR NURSING

BIO 201, 202 Anatomy & Physiology (with labs)	8 hours
BIO 205 Microbiology (with lab)	4 hours
CHE 101, 102 Chemistry (with labs)	8 hours
EEW 101, 102 Grammar & Composition	6 hours
NUR 204 Nutrition	3 hours
PSY 101 General Psychology	3 hours
PSY 250 Growth and Development	3 hours
SOC 101 Principles of Sociology	3 hours
TOTAL	38 hours

REQUIREMENTS FOR GRADUATION NOT MET BY NURSING PREREQUISITES

PSY 363 Intro to Statistics	3 hours
BIB 113 Old Testament History	3 hours
BIB 123 New Testament History	3 hours
PHI 311 Ethics for the Professions	3 hours
January Term	3 hours
Technical credit (awarded for A.D.N. R.N.)	16 hours
Electives (not technical credit)	12 hours
TOTAL	43 hours

NURSING MAJOR REQUIREMENTS

* NUR 301 Concepts of Med/Surg Nursing	6 hours
* NUR 302 Mental Health Nursing	6 hours
* NUR 303 Maternity Nursing	6 hours
* NUR 304 Pediatric Nursing	6 hours
NUR 401 Community Health Nursing	6 hours
NUR 402 Advanced Med/Surg Nursing	6 hours
NUR 403 Nursing Leadership/ Management	6 hours
NUR 404 Research, Trends and Issues in Nursing	3 hours
NUR 498 Senior Nursing Internship	3 hours
TOTAL	48 hours

Prerequisites	38
General Studies	43
Nursing Courses	48
GRAND TOTAL	129 credit hours for B.S.N.

* Up to three credits in each may be met by testing; testing is optional.

R.N. STUDENT OPTIONS

The R.N. is a welcome part of the nursing student body. The Associate Degree Nurse (A.D.N. R.N.) progresses through the standard curriculum sequence with opportunities for partial-credit testing to recognize previous learning. Individual advisement is available throughout the year with faculty.

A one day seminar presents the program philosophy and curriculum with discussion of the R.N. options for testing. Check with the Samaritan College of Nursing Office for upcoming dates.

Eleven credit hours of sophomore nursing courses are waived (NUR 202 and 203). Testing credits (up to 12 hours) are available to reduce the junior year course requirements.

Testing for Junior year is available for all four content areas. Tests are scheduled the two months prior to registration for specific nursing courses. Scores achieved may satisfy up to three credits of each course.

One course is taken the first seven weeks then a different course the next seven weeks. All courses are available each semester.

ADMISSION REQUIREMENTS

Admission requirements for the R.N. with active licensure and practice are consistent with those required for generic students.

COURSES WAIVED/CREDIT GRANTED

NUR 202 Fundamentals (8 credits), and NUR 203 Pharmacology (3 credits) 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 OPTIONS

The R.N. student has the option to reduce one-to-three credits of the 300 level nursing courses by successful scores on the N.L.N. Mobility and teacher-made exams. The R.N. may prepare for the exams by reviewing the course text purchased in bookstore or using NCLEX review materials. A special examination fee is due in the Business Office prior to testing for each course. In addition, there is a $30 testing fee (per course) that needs to be brought to the Samaritan College of Nursing the day of the exam. Upon satisfactory testing, an additional fee is required to officially list the three credits on the student's transcript. See page 17 for fee. The faculty member and R.N. student meet to determine projects, exams, reports etc. as learning activities to meet the remaining three to five credits.

SENIOR YEAR OPTIONS

Most senior year courses are not available for testing for credit. The courses are designed for daytime attendance. A 402 Advanced Med/Surg pilot project has been initiated where 3 credits may be satisfied by passing the N.L.N. Mobility and teacher-made exams. The student then registers for all six credits. By individual arrangement, part-time matriculation may be available based on clinical space.

The NUR 498 Senior Nursing Internship allows the R.N. student a choice in area of interest to facilitate role transition and career opportunities. During the internship course, the graduating student develops learning objectives with an R.N. preceptor. A variety of agencies accommodate the R.N. student in roles of management, education or clinical practice.

LENGTH OF STUDIES

For a typical R.N. student who has completed all of the prerequisites, four semesters would be expected as minimum matriculation time. Some students will require longer time in order to meet the prerequisites or required courses for graduation.



NURSING

NUR 202 FUNDAMENTALS OF NURSING
Every semester/8 hours
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 INTRODUCTION TO PHARMACOLOGY
Every semester/3 hours
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. *Prerequisite: 1 semester biology or chemistry.*

NUR 204 APPLIED NUTRITION
January Term/3 hours
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: 1 semester biology or chemistry.*

NUR 301 CONCEPTS OF MED/SURG NURSING
Every semester/6 hours
Presents theory 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: NUR 202, 203, or R.N.*

NUR 302 MENTAL HEALTH NURSING
Every semester/6 hours
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: NUR 202, 203, or R.N.*

NUR 303 MATERNITY NURSING
Every semester/6 hours
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, 302.*

NUR 304 PEDIATRIC NURSING
Every semester/6 hours
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, 302.*

NUR 333 HEALTH AND AGING ASPECTS
Fall, on demand/3 hours
Health and Aging will provide an overview of the process of aging from a social, psychological, and physiological perceptive 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 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 112.

NUR 401 COMMUNITY HEALTH NURSING
Every semester/6 hours
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: NUR 303, 304.*

NUR 402 ADVANCED MEDICAL/SURGICAL NURSING *Every semester/6 hours*
Presents the complex nursing care of the medical-surgical adult in the intensive care area and emergency room. Pathophysiology and related nursing care of life threatening disruptions involving cardiac, respiratory, neurological, renal, gastro-intestinal, and other organ dysfunctions in theory and clinical situations. *Prerequisites: NUR 303, 304.*

NUR 403 NURSING LEADERSHIP AND MANAGEMENT *Every semester/6 hours*
Presents purposes and methods of leadership styles within the clinical setting. Emphasis is on the management of groups of patients, consumers and professional staff. Content includes: planning and evaluating nursing care, supervising personnel, developing education skills, understanding organizational budgets and finances and identifying common problems encountered in the professional leadership role. *Prerequisites: NUR 401, 402.*

NUR 404 RESEARCH, TRENDS AND ISSUES IN NURSING *Every semester/3 hours*
Promotes research process as a framework for analysis of clinical practice, legislation, nursing trends, and health care services. Quantitative and qualitative methods of research are introduced by critiquing of studies and independent projects. Content includes: research in nursing affecting health care, ethics, nursing manpower, professional writing and expanded roles for nurses. *Prerequisites: NUR 401, 402.*

NUR 491 NEONATAL NURSE PRACTITIONER
492
493
Every semester, on demand/12 hours
The Neonatal Nurse Practitioner Specialty at Samaritan College of Nursing of Grand Canyon University is 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 course 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 FLIGHT NURSING
Every semester, on demand/12 hours
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, **or** labs, field experience, fixed wing, and rotor wing settings. *Prerequisites: R.N. status and instructor's approval.*

NUR 495 PERINATAL TRANSPORT NURSING
On demand/5 hours
This course is designed to prepare the experienced High Risk Maternal and Neonatal Intensive Care Nurse for flight transport of the perinatal client. Included is anatomy and physiology, pathophysiology of pregnancy, assessment and management of emergencies related to pregnancy, neonatal congenital defects and medical/surgical conditions/injuries, stations and case presentations. Didactic content is reinforced in the clinical areas of Labor and Delivery, Newborn I.C.U., labs, ground transports and fixed wing and rotor wing settings. *Prerequisites: R.N. status and instructor's approval.*

NUR 498 SENIOR NURSING INTERNSHIP
Every semester/3 hours
Provides a student 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 Officers 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 take the courses at Arizona State University.

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

For further information contact 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 AES100 and AES200 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.

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.

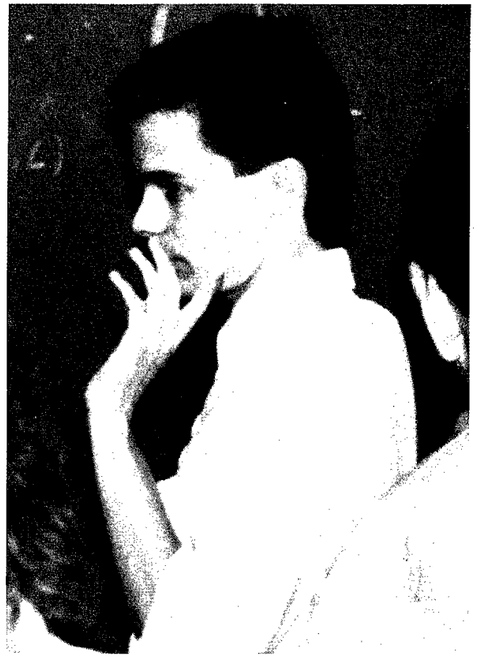
5. Maintain the minimum grade point average required by the college.

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 4-, 3½-, 3-, 2½-, and 2-year basis. To qualify for the 4-year scholarship, students must be U.S. citizens and submit an application prior to December 1 of their senior year in high school. Interested students should consult their high school counselors or call AFROTC at ASU for application forms to be submitted to HQ. AFROTC, Maxwell AFB, AL 36112-6663. Male and female students enrolled in AFROTC at Arizona State University are eligible for 3½-, 3-, 2½-, and 2-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 U.S. AIR FORCE ORGANIZATION *Every Fall/2 hours*
Introduction to U.S. Air Force organization, mission, doctrine, offensive and defensive forces. One lecture, 1 hour Leadership Practical Application.

AES 102 NATURE OF U.S. AIR POWER *Every Spring/2 hours*
Background on strategic missile defense forces, general purpose and aerospace support in national defense. One lecture, 1 hour Leadership Practical Application.

AES 201 AEROSPACE HISTORY TO WORLD WAR II *Every Fall/2 hours*
Historical survey of events, trends, and policies leading to the emergence of air power through World War II. One lecture, 1 hour Leadership Practical Application.

AES 202 AEROSPACE HISTORY: WW II TO PRESENT *Every Spring/2 hours*
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, 1 hour Leadership Practical Application.

AES 301 U.S. AIR FORCE COMMUNICATION MANAGEMENT & LEADERSHIP *Every Fall/3 hours*
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, 1 hour Leadership Practical Application.

AES 302 U.S. AIR FORCE MANAGEMENT & LEADERSHIP *Every Spring/3 hours*
Organizational and personal values, management of forces in change, organizational power, politics, managerial strategy and tactics. Two lectures, 1 hour Leadership Practical Application.

AES 401 NATIONAL SECURITY INSTITUTIONAL POLICY & STRATEGY *Every Fall/3 hours*
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, 1 hour Leadership Practical Application.

AES 402 TOPICAL & REGIONAL SECURITY ISSUES *Every Spring/3 hours*
Formulation and implementation of U.S. defense policies; impact of technological and international developments on strategic preparedness in the overall defense policy-making processes. Two lectures, 1 hour Leadership Practical Application.

ARMY ROTC

PURPOSE

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 student 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.

Appointments 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

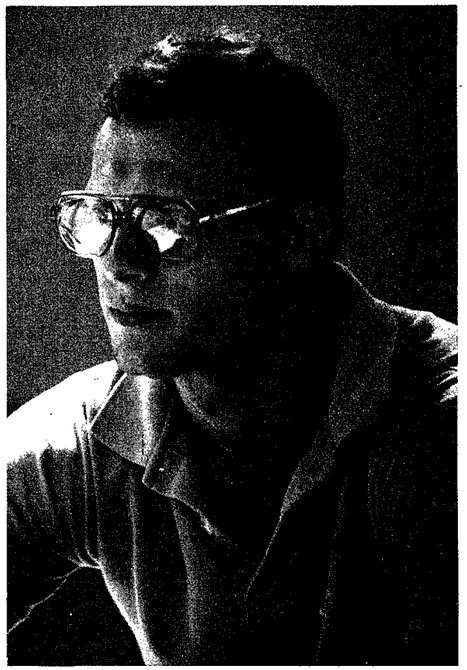
Any student who is enrolled at Grand Canyon University may enroll in the military science advanced course. However, to be competitive and obtain a commission in the United States Army, students must meet the following requirements:

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 met 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 at all times 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 credit for the four semesters of study. Upon satisfying the requirements stated above, they enter the advanced course where they will earn 10 semester hours 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 advance 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 the 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 the 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 INTRODUCTION TO MILITARY SCIENCE *Every semester/2 hours*
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 METHODS OF INSTRUCTION *Every Spring/2 hours*
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 203 LAND NAVIGATION AND SURVIVAL *Every semester/2 hours*
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 LEADERSHIP AND MANAGEMENT DEVELOPMENT *Every Spring/2 hours*
Interdisciplinary approach to leadership and management; ethics, responsibility and conduct of military officers; effective decision-making techniques; introduction to drill and ceremonies. One lecture-conference, one and one-half hours of Leadership Practical Application.

MIS 205 ROTC BASIC CAMP *Every Summer/4 hours*
Six-week training program emphasizing practical hands-on skills and leadership development. Taken in lieu of MIS 101, 102, 203 and 204. Conducted at Fort Knox, Kentucky.

MIS 294 HISTORY OF AMERICAN FLAG *Every semester/1 hour*
A unique historical survey of the American nation through the development and use of the American Flag.

MIS 301 ADVANCED MILITARY SCIENCE *Every Fall/3 hours*
Theory and dynamics of the individual soldier and military units in offensive combat operations. Two lectures-conferences, one and one-half hours of Leadership Practical Application, one 2-day field exercise; three 1-day field experiences.
Prerequisites: MIS 101, 102, 203, 204, or equivalent.

MIS 302 ADVANCED MILITARY SCIENCE
Every Spring/3 hours
Theory and dynamics of military units in defensive combat operations. Two lectures-conferences, one and one-half hours of Leadership Practical Application, one 3-day field exercise; two 1-day field exercises. *Prerequisites: MIS 101, 202, 203, 204, or equivalent.*

MIS 303 ROTC ADVANCED CAMP
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, 302.*

MIS 401 ADVANCED MILITARY SCIENCE
Every Fall/2 hours
The military legal system; preparation and conduct of military training; leadership development; ethics and professionalism of the military officer. Two lectures-conferences, one and one-half hours of Leadership Practical Application, one 2-day field exercise; three 1-day field exercises. *Prerequisites: MIS 301, 302.*

MIS 402 ADVANCED MILITARY SCIENCE
Every Spring/2 hours
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, 302.*

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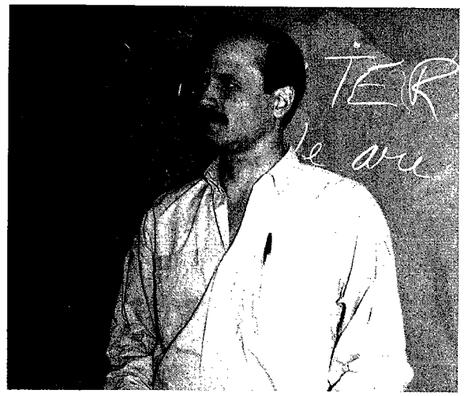
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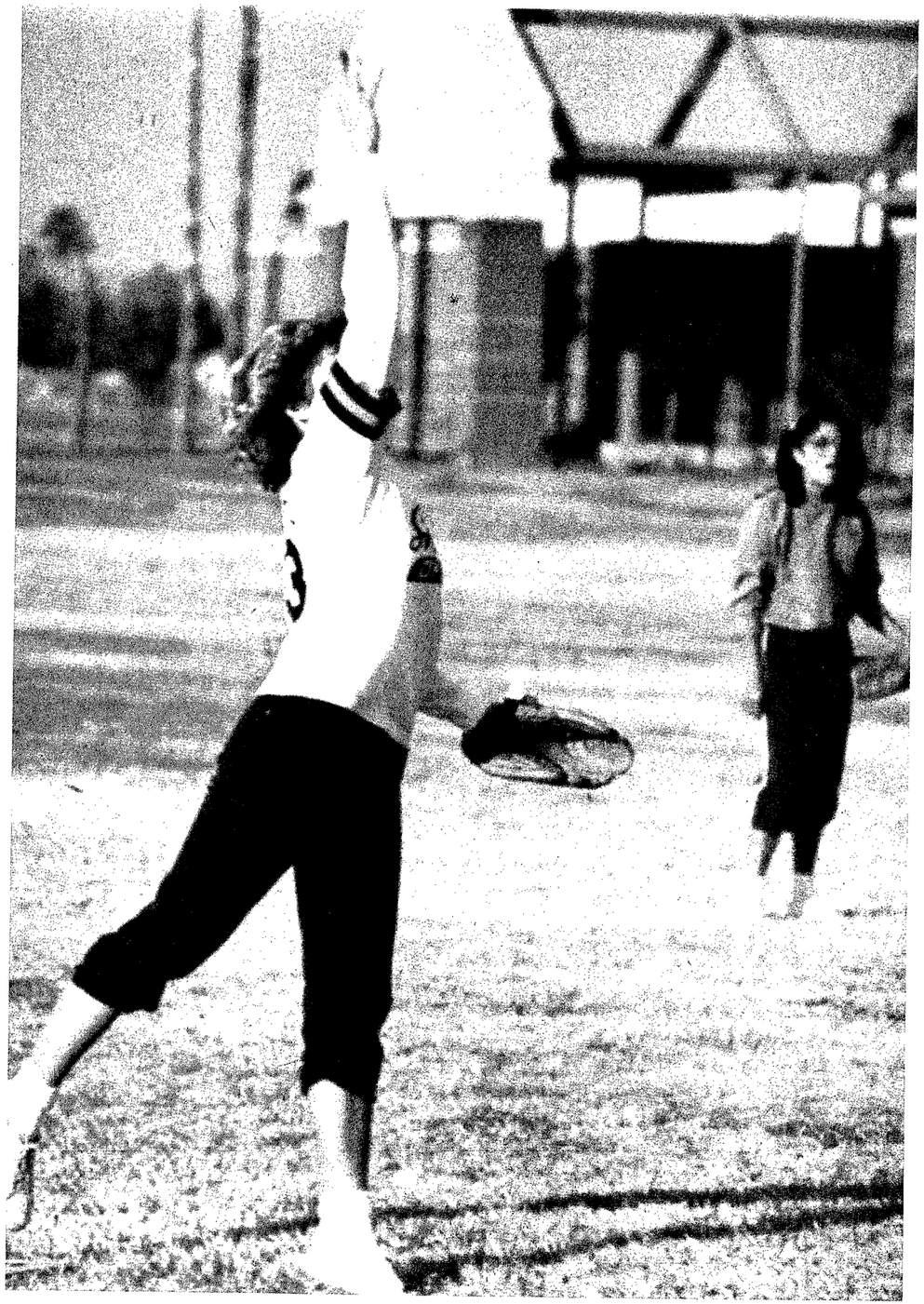
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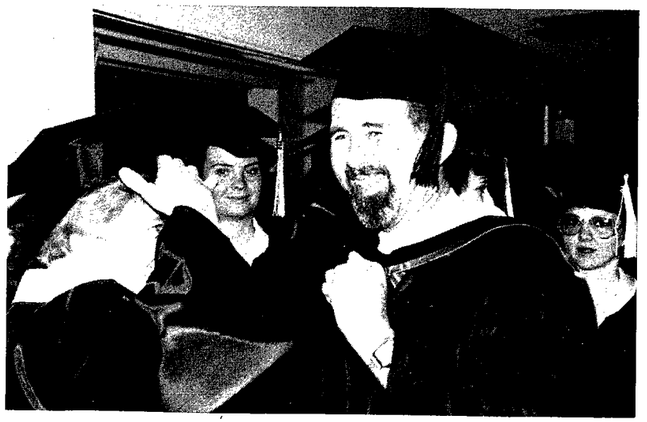
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