

GRAND CANYON UNIVERSITY

CATALOG 1993-94/1994-95

*IN A CLASS BY ITSELF*

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# GRAND CANYON UNIVERSITY

Catalog for 1993-1995

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

Founded in 1949



3300 W. Camelback Road  
Phoenix, Arizona  
Volume XXXV  
May, 1993

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Student Activities	Office of Student Affairs	589-2830
Student Employment	Director of Student Employment	589-2831

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**University Mailing Address:**  
 Grand Canyon University  
 P. O. Box 11097  
 Phoenix, AZ 85061-1097

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

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

Thank You

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

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

# Table of Contents



Academic Calendar . . . . .	2-3	Christian Studies . . . . .	115-120
General University Information . . . . .	5-10	English and	
Financial Information . . . . .	11-21	Modern Languages . . . . .	121-126
Student Life . . . . .	23-27	Exercise Science, Sport and	
Admission Policies and Procedures . . . . .	29-38	Recreation . . . . .	127-134
General Academic Regulations . . . . .	39-45	History, Philosophy and	
Graduation Requirements . . . . .	47-52	Social Sciences . . . . .	135-144
Departments of Instruction . . . . .	53-54	Mathematics and	
College of Business . . . . .	55-65	Computer Science . . . . .	145-150
College of Communications		Natural Sciences . . . . .	151-157
and Fine Arts . . . . .	68-68	Samaritan College of Nursing . . . . .	159-165
Art . . . . .	69-73	Special Programs . . . . .	167
Communicators/Speech . . . . .	74-78	Reserve Officer	
Music . . . . .	79-92	Training Corps . . . . .	168-171
Theatre/Drama . . . . .	93-95	Personnel . . . . .	175-181
College of Education . . . . .	97-111	Index . . . . .	183-187
College of Liberal Arts		Course Prefix Index . . . . .	187
and Sciences . . . . .	113-114	Campus Maps . . . . .	188-189

S M T W T F S

**ACADEMIC CALENDAR: SUMMER 1993 - SPRING 1995**

MAY 1993

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2	3	4	5	6	7	8	
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NOVEMBER 1993

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DECEMBER 1993

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FEBRUARY 1994

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MARCH 1994

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MAY 1994

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29	30	31														

*As an energy-conservation measure, all campus offices will be closed every Friday, Saturday, and Sunday from June 4 through August 13, 1993. Please arrange to conduct all business between 8 a.m. and 5 p.m., Monday through Thursday. Occasional exceptions may be made by announcement of special events.*

**Summer I - 1993: (Classes Meet Monday through Friday)**

- Registration May 10
- Late Registration May 11-May 12
- Instruction Begins May 10
- Last Day to Add a Class May 12
- Last Day to Drop a Class/Change to Audit May 19
- Summer I Ends May 27
- Memorial Day (No Classes, Offices Closed) May 31
- Summer I Grades Due by Noon Jun 1

**Summer II - 1993: (Classes Meet Monday through Thursday)**

- Registration (8 a.m. - 5 p.m.) May 28
- Late Registration Jun 1-3
- Instruction Begins Jun 1
- Last Day to Add a Class Jun 3
- Last Day to Drop a Class/Change to Audit Jun 17
- Summer II Ends Jul 1
- Summer II Grades Due by Noon Jul 5

**Summer III - 1993: (Classes Meet Monday through Thursday)**

- Registration (8 a.m. - 5 p.m.) Jul 1
- Late Registration Jul 5-7
- Instruction Begins Jul 5
- Last Day to Add a Class Jul 7
- Last Day to Drop a Class/Change to Audit Jul 22
- Summer III Ends Aug 5
- Summer III Grades Due by Noon Aug 9

**Fall Semester 1993:**

- Faculty/Staff Prologue Aug 20
- Residence Halls/Apartments Open to New Students (7-9 p.m.) Aug 20
- New Student Orientation Aug 21-23
- Parents Orientation Aug 21
- Residence Halls Open for Returning Students (2-5 p.m.) Aug 22
- New Student Orientation/Group Advisement/Priority Registration Aug 23
- †Registration for Graduate Students, Second Degree, Fifth Year, and Seniors Aug 24
- †Evening Registration (6-7 p.m.) Aug 24
- †Registration for Juniors, Sophomores, Freshmen, and Unclassified Students Aug 25
- Late Registration Aug 26 - Sep 3
- Instruction Begins Aug 26
- Last Day to Add a Class Sep 3
- Labor Day (No Classes, Offices Closed) Sep 6
- Mid-term Examinations Oct 11-15
- Mid-term Grades Due by Noon Oct 18
- Last Day to Drop a Class/Change to Audit Nov 5
- Veteran's Day (No Classes - Offices Closed) Exception: Classes Beginning After 5:00 p.m. Nov 11

- Pre-Registration for Spring 1994 Classes (Open to Currently Enrolled Students Only) Nov 15-19
- Evening Pre-Registration (6 - 7 p.m.) (Open to Currently Enrolled Students Only) Nov 16
- Thanksgiving Holiday (No Classes, Offices Closed) Nov 25-26
- Grades for Incompletes earned in Spring or Summer 1993 due Dec 1
- Final Examinations Dec 9-10, 13-14
- Fall Final Grades Due by Noon Dec 16
- Christmas Holiday Dec 15-Jan 6

**Student Teaching - Fall 1993:**

- Education Block Courses Begin Aug 26
- Last Day to Register for Block Courses Sep 1
- Last Day to Drop Block Courses Sep 10
- Education Block Courses End Sep 30
- Fall Student Teaching Begins Oct 4
- Fall Student Teaching Ends Dec 10

**Spring Semester 1994:**

- Residence Halls/Apartments Open/ New Students (6-8 p.m.) Jan 3
- Residence Halls Open for Returning Students (1-3 p.m.) Jan 4
- New Student Orientation/Group Advisement/Priority Registration Jan 4
- Faculty Workshop (Morning) Jan 4
- †Evening Registration (6-7 p.m.) Jan 4
- †Registration Jan 5
- Late Registration Jan 6-14
- Instruction Begins Jan 6
- Last Day to Add a Class Jan 14
- Martin Luther King, Jr./Civil Rights Day (No Classes - Offices Closed) Jan 17
- Parent's Day (No Classes, Offices Closed) Feb 21
- Mid-term Examinations Feb 28-Mar 4
- Pre-Registration for Summer 1994 Classes (Open to Currently Enrolled Students Only) Feb 28-Mar 4
- Evening Pre-Registration (6 - 7 p.m.) (Open to Currently Enrolled Students Only) Feb 29
- Mid-term Grades Due by Noon Mar 7
- Spring Break (No Classes) Mar 7 - 11
- Last Day to Drop a Class/Change to Audit Mar 18
- Pre-Registration for Fall 1994 Classes (Open to Currently Enrolled Students Only) Mar 28-Apr 1
- Evening Pre-Registration (6 - 7 p.m.) (Open to Currently Enrolled Students Only) Mar 29
- Good Friday (No Classes, Offices Closed) Apr 1
- Final Examinations Apr 28-29, May 2-3
- Senior Grades Due by Noon May 4
- Baccalaureate May 6
- Graduation May 7
- Spring Final Grades Due by Noon May 9
- Student Teaching - Spring 1994:**
- Education Block Classes Begin Jan 6
- Last Day to Register for Block Courses Jan 12
- Last Day to Drop Block Courses Jan 20
- Education Block Courses End Feb 10
- Spring Student Teaching Begins Feb 14
- Spring Student Teaching Ends Apr 29

† Refer to *Class Bulletin* for specific times.

**Summer I - 1994:** (Classes Meet Monday through Friday)

Registration	May 9
Late Registration	May 10-May 11
Instruction Begins	May 9
Last Day to Add a Class	May 11
Last Day to Drop a Class/Change to Audit	May 18
Summer I Ends	May 26
Memorial Day (No Classes, Offices Closed)	May 30
Summer I Grades Due by Noon	May 31

*As an energy-conservation measure, all campus offices will be closed every Friday, Saturday, and Sunday from June 3 through August 12, 1994. Please arrange to conduct all business between 8 a.m. and 5 p.m., Monday through Thursday. Occasional exceptions may be made by announcement of special events.*

**Summer II - 1994:** (Classes meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	May 27
Late Registration	May 31-Jun 2
Instruction Begins	May 31
Last Day to Add a Class	Jun 2
Last Day to Drop a Class/Change to Audit	Jun 16
Summer II Ends	Jun 30
Summer II Grades Due by Noon	July 5

**Summer III - 1994:** (Classes meet Monday through Thursday)

Registration (8 a.m. - 5 p.m.)	Jun 30
Independence Day (No Classes, Offices Closed)	Jul 4
Late Registration	Jul 5-7
Instruction Begins	Jul 5
Last Day to Add a Class	Jul 7
Last Day to Drop a Class/Change to Audit	Jul 21
Summer III Ends	Aug 4
Summer III Grades Due by Noon	Aug 8

**Fall Semester - 1994:**

Faculty Staff Prologue	Aug 19
Residence Halls/Apartments Open/ New Students (7-9 p.m.)	Aug 19
New Student Orientation	Aug 20-22
Parents Orientation	Aug 20
Orientation/Group Advisement/ Priority Registration	Aug 22
Residence Halls Open for Returning Students (2-5 p.m.)	Aug 21
†Registration for Graduate Students, Second Degree, Fifth Year, and Seniors	Aug 23
†Evening Registration (6-7 p.m.)	Aug 23
†Registration for Juniors, Sophomores, Freshmen, and Unclassified Students	Aug 24
Late Registration	Aug 25-Sep 2
Instruction Begins	Aug 25
Last Day to Add a Class	Sep 2
Labor Day (No Classes, Offices Closed)	Sep 5
Mid-term Examinations	Oct 10-14
Mid-term Grades Due by Noon	Oct 17
Last Day to Drop a Class/Change to Audit	Nov 4
Veteran's Day (No Classes, Offices Closed)	Nov 11
Pre-Registration for Spring 1995 Classes (Open to Currently Enrolled Students Only)	Nov 14-18
Evening Pre-Registration (6 - 7 p.m.) (Open to Currently Enrolled Students Only)	Nov 15
Thanksgiving Holiday (No Classes, Offices Closed)	Nov 24-25

Grades for Incompletes earned  
in Spring or Summer 1993 Due  
Final Examinations  
Fall Final Grades Due by Noon  
Christmas Holiday

**Student Teaching - Fall 1994:**

Education Block Courses Begin	Aug 25
Last Day to Register for Block Courses	Aug 31
Last Day to Drop Block Courses	Sep 9
Education Block Courses End	Sep 29
Fall Student Teaching Begins	Oct 3
Fall Student Teaching Ends	Dec 9

**Spring Semester - 1995:**

Residence Halls/Apartments Open/ New Students (6-8 p.m.)	Jan 2
Residence Halls Open for Returning Students (1-3 p.m.)	Jan 3
New Student Orientation/Group Advisement/Priority Registration	Jan 3
Faculty Workshop (Morning)	Jan 3
†Registration	Jan 4
†Evening Registration (6-7 p.m.)	Jan 4
Late Registration	Jan 5-13
Instruction Begins	Jan 5
Last Day to Add a Class	Jan 13
Martin Luther King, Jr./Civil Rights Day (No Classes, Offices Closed)	Jan 16
President's Day (No Classes, Offices Closed)	Feb 20
Mid-term Examinations	Feb 27-Mar 3
Pre-Registration for Summer 1995 Sessions (Open to Currently Enrolled Students Only)	Feb 27-Mar 3
Evening Pre-Registration (6 - 7 p.m.) (Open to Currently Enrolled Students Only)	Feb 28
Mid-term Grades Due by Noon	Mar 6
Spring Break (No Classes)	Mar 6-10
Last Day to Drop a Class/Change to Audit	Mar 17
Pre-Registration for Fall 1995 (Open to Currently Enrolled Students Only)	Mar 27-31
Office of the Registrar Open Until 7 p.m.	Mar 28
Good Friday (No Classes, Offices Closed)	Apr 17
Final Examinations	Apr 27-May 1-2
Senior Grades Due by Noon	May 3
Baccalaureate	May 5
Graduation	May 6
Spring Final Grades Due by Noon	May 8

**Student Teaching - Spring 1995:**

Education Block Classes Begin	Jan 5
Last Day to Register for Block Courses	Jan 11
Last Day to Drop Block Courses	Jan 19
Education Block Courses End	Feb 9
Spring Student Teaching Begins	Feb 13
Spring Student Teaching Ends	Apr 28

† Refer to *Class Bulletin* for specific times.

Dec 1	S M T W T F S
Dec 8-9, 12-13	MAY 1994
Dec 15	1 2 3 4 5 6 7
Dec 15-Jan 5	8 9 10 11 12 13 14
	15 16 17 18 19 20 21
	22 23 24 25 26 27 28
	29 30 31
	JUNE 1994
Aug 25	1 2 3 4
Aug 31	5 6 7 8 9 10 11
Sep 9	12 13 14 15 16 17 18
Sep 29	19 20 21 22 23 24 25
Oct 3	26 27 28 29 30
Dec 9	JULY 1994
	1 2
	3 4 5 6 7 8 9
	10 11 12 13 14 15 16
	17 18 19 20 21 22 23
	24 25 26 27 28 29 30
	31
	AUGUST 1994
Jan 2	1 2 3 4 5 6
Jan 3	7 8 9 10 11 12 13
	14 15 16 17 18 19 20
	21 22 23 24 25 26 27
	28 29 30 31
	SEPTEMBER 1994
Jan 3	1 2 3
Jan 3	4 5 6 7 8 9 10
Jan 4	11 12 13 14 15 16 17
Jan 4	18 19 20 21 22 23 24
Jan 5-13	25 26 27 28 29 30
Jan 5	OCTOBER 1994
Jan 13	1 2 3 4 5 6 7 8
	9 10 11 12 13 14 15
	16 17 18 19 20 21 22
	23 24 25 26 27 28 29
	30 31
Jan 16	NOVEMBER 1994
Feb 20	1 2 3 4 5
Feb 27-Mar 3	6 7 8 9 10 11 12
Feb 27-Mar 3	13 14 15 16 17 18 19
	20 21 22 23 24 25 26
	27 28 29 30
	DECEMBER 1994
	1 2 3
	4 5 6 7 8 9 10
	11 12 13 14 15 16 17
	18 19 20 21 22 23 24
	25 26 27 28 29 30 31
	JANUARY 1995
	1 2 3 4 5 6 7
	8 9 10 11 12 13 14
	15 16 17 18 19 20 21
	22 23 24 25 26 27 28
	29 30 31
	FEBRUARY 1995
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	5 6 7 8 9 10 11
	12 13 14 15 16 17 18
	19 20 21 22 23 24 25
	26 27 28
	MARCH 1995
	1 2 3 4
	5 6 7 8 9 10 11
	12 13 14 15 16 17 18
	19 20 21 22 23 24 25
	26 27 28 29 30 31
	APRIL 1995
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	2 3 4 5 6 7 8
	9 10 11 12 13 14 15
	16 17 18 19 20 21 22
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	MAY 1995
	1 2 3 4 5 6
	7 8 9 10 11 12 13
	14 15 16 17 18 19 20
	21 22 23 24 25 26 27
	28 29 30 31

# General University Information



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

## PURPOSE OF THE UNIVERSITY

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

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

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

## CHRISTIAN EMPHASIS

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

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

Informal activities sponsored by the University which have a Christian emphasis include, but are not limited to, the Baptist Student Union, Christian Ministries Association, and SOWers. An active missions program has resulted in students and faculty serving in more than 35 foreign countries since 1983.

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

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

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

## ACCREDITATION

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

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

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

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

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the University. (See pg. 35.)

## HISTORICAL SKETCH

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

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

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

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

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

In May of 1984, the College trustees voted to prepare for transition to university status on the school's 40th anniversary in 1989.

The following men have served as President of the College:

Willis J. Ray, 1949-50  
 Leroy Smith, 1950-52  
 Frank Sutton (acting president), 1952  
 B. O. Herring, 1952-54  
 Glenn Eason (acting president), 1954-55  
 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



## GOVERNING BODY

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

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

## FACULTY

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

## ALUMNI ASSOCIATION

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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.

## CENTER FOR INTERNATIONAL EDUCATION

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

Since 1983 approximately 600 of Grand Canyon University's students, faculty, and staff have traveled to over 35 countries to teach, minister or study. The Center for International Education was established in 1986 to enhance and increase study-abroad programs.

## ONGOING PROGRAMS

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

Brazil — A ten year agreement to assist ten churches in and around Presidente Prudente, Sao Paulo, Brazil, takes 30 - 40 people there for two weeks each summer. Any student is eligible to take part in this ministry.

Japan — Nagoya International University sends a group of students

to Grand Canyon's campus each January. A student exchange agreement exists between the two universities.

Spain — Intermediate and advanced Spanish and courses in Spanish history and culture are available through a semester in Madrid.

Commonwealth of Independent States — Kazakh State University is a sister institution to Grand Canyon. Students may study there for one year on an exchange agreement. Short term experiences in the Republic of Kazakhstan are available also.

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

## CHRISTIAN COLLEGE COALITION PROGRAMS

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### AMERICAN STUDIES PROGRAM

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

The American Studies Program was created to provide field experience and study opportunities in Washington, D. C., for diverse majors and personal interests. The program is based on the idea of integrating faith and learning through real-life work experience, a study program, and living in a small Christian community. Preference is given to early applicants and applications may be obtained from the office of the Vice President for Academic Affairs. Final admission to the program is the decision of the Christian College Coalition.

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

### LATIN AMERICAN STUDIES PROGRAM

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

This program allows the student to earn one semester's worth of Grand Canyon University credit (approximately 16 credit hours).

It is the responsibility of the student to ascertain from the appropriate College Dean/Department Chair what major or minor requirements will be met by the coursework taken. The Christian College Coalition sets the charges for this program and the student is responsible for the payment of these charges.

### LOS ANGELES FILM STUDIES CENTER

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

The Hollywood semester consists of three courses:

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

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

### UNIVERSITY CAMPUS

#### LOCATION

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

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

is comfortable and provides an attractive setting for college living in the Valley of the Sun.

A gymnasium and the Fleming Library were constructed in 1957. A residence hall and a health center were completed in 1960. A classroom building, another residence hall, a student pavilion, an addition to the library, and an extension to the cafeteria were completed in 1963. The bookstore occupied newly-constructed quarters in 1964 and a residence hall addition was completed in 1967. The Ethington Memorial Theatre was constructed in 1973; the Tell Science Building in 1977; the Wallace Building in 1982, and the Smithy-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 in 1987. Many of the older buildings have been extensively remodeled in recent years.

### ATHLETIC FACILITIES

Antelope Gymnasium is the home court of the 1975, 1978, and 1988 NAIA Men's basketball champions. With a seating capacity of approximately 500, the gym also provides facilities for the women's basketball and volleyball teams and physical education classes. It contains lockers, showers and equipment rooms for men and women, as well as office space, and a weight room. A new 1,500-seat gymnasium is in the final planning stages.

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

The women's tennis team, 1981 NAIA champions, and 1992 NCAA Division II Women's Doubles Champions play at the Youngker Tennis Center. This six court facility was donated by the Youngker family of Buckeye in memory of their son Steven, who lost his life in military service. In 1985 lights were installed on three courts.

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

### CAMPUS HOUSING

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

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

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

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

Each residence hall has a main lobby and coin-operated laundry facility. Individual rooms are furnished, cable-TV ready, and telephone-ready.

The North Rim Student Housing Complex, named for the North Rim of the Grand Canyon, opened in the fall of 1986, consists of nine complexes with 153 furnished and unfurnished units. The

General Information  
UNIVERSITY OF ARIZONA  
CAMPUS  
BUSINESS  
ARK  
MUSIC  
THEATRE

complexes are two- and three-story and consist of one bedroom, one bath at 671 square feet; two bedroom, one bath at 772 square feet; and two bedroom, two bath at 934 square feet. It is available to upperclassmen and married students.

### **CHARLES M. COOKE HEALTH CENTER**

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

### **COMPUTER CENTER**

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

Two microcomputer laboratories utilizing IBM-compatible 286 personal computers are available to students, with network access to dot matrix, laser, and color printers. MacIntosh computers are also available in a separate laboratory. Word processing, electronic spread sheets, graphics, and other useful software packages are provided.

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

### **ETHINGTON MEMORIAL THEATRE**

The Ethington Memorial Theatre, with a seating capacity of 318, was completed in 1973. It was given by Peter and Anna Ethington.

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

### **FLEMING CLASSROOM BUILDING**

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

### **FLEMING LIBRARY**

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

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

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

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

Mrs. W. C. Henderson's life-long interest in missions was a personal commitment. She came to Arizona with a missionary heart in 1907. Until a few years prior to her death in 1982, she was active in every phase of missions within Arizona and around the world. Grand Canyon University and friends have honored her life by providing the Mrs. W. C. Henderson Missionary-In-Residence furnished apartment on campus for the furloughing missionary or missionary couple who works with the Missionary-In-Residence Program.

### **RAY STUDENT SERVICES BUILDING**

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

### **SAMARITAN COLLEGE OF NURSING BUILDING**

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

### **SMITH ARTS COMPLEX**

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

### **SMITHEY-PARKER BUILDING**

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

### **TELL SCIENCE BUILDING**

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

### **UNIVERSITY BOOKSTORE**

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

#### **Bookstore Hours:**

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

Limited hours during Summer session.

## WALLACE BUILDING

Dedicated in 1982, the Wallace Building was built in appreciation of A. A. and Ida May Wallace who were instrumental in constructing some of the early buildings of the campus. It houses several administrative offices. The Grand Canyon University Foundation also maintains its offices here. In addition, the Kirksville College of Osteopathic Medicine maintains its southwest regional office here.

## UNIVERSITY PUBLICATIONS

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

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

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

## UNIVERSITY SEAL

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

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

## UNIVERSITY LOGO

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GRAND CANYON UNIVERSITY

Drawing on the strongest point of identification in our name the symbol suggests canyon walls. Nestled in the canyon ravine is a symbolic flame, open to interpretation as the eternal flame of knowledge or a flame of spiritual significance.

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

# Financial Information



- Preface
- Student Expenses
- Vali-dine
- Room and Board
- Tuition, Housing, and Fees
- Special Fees
- Special Class Fees
- Student Insurance
- Refund Policies
  - Add/Drop
  - Complete Withdrawal
  - Appeals
  - Financial Aid
  - Refund Schedule
- Financial Aid
- Eligibility
- Application Process
- Student Responsibilities
- Student Rights
- Scholarships
- Endowed Scholarships
- Grants From Private Businesses, Foundations, and Organizations
- Grants
- Student Loans
- Employment
- Student Employment Services
- Placement Services
- Approvals

## PREFACE

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

## STUDENT EXPENSES

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

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

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

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

## VALI-DINE

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

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

## VALI-DINE POLICIES

The cafeteria is closed when school is not officially in session (during the Thanksgiving and Christmas holidays, Spring Break, between the close of Spring semester and the opening of the first Summer term, and between the end of the third Summer term and the opening of the Fall semester).

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

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

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

## ROOM AND BOARD

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

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

## TUITION, HOUSING, AND FEES

### REFER TO INSERT FOR CURRENT CHARGES

### ACADEMIC YEAR

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

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

**Center for Biblical Studies**  
Tuition and all fees per semester hour

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

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

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

### Enrollment Deposit

(Required of all newly accepted applicants for admission)

### Campus Housing Deposit

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

### Room and Board

#### Fall and Spring Semesters, per semester

- Option One (21 meals per week)
- Option Two (14 meals per week)
- Private Room Rate, additional charge

#### \*Summer I term, per 3 week term

#### \*Summer II and III, per 5 week term

- (If taking 6 hours or more)
- Per week
- Private Room Rate, additional charge

### Board (Non-Residence Hall Students)

#### Fall and Spring semesters

- Option One (21 meals per week)
- Option Two (14 meals per week)

#### \*Summer I term, (3 week)

#### \*Summer II and III terms (per 5 week term)

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

### North Rim Student Housing Complex (utilities included)

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

### SPECIAL FEES

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#### REFER TO INSERT FOR CURRENT CHARGES

- Application (non-refundable)
  - Undergraduate
  - Graduate
- Academic Regalia
- Complete Withdrawal
- Cooke Health Center Appointment Cancellation
- Drop Fee
- Employment Placement Service
- Guest Housing, per night
- Guest Room (Residence Hall), per night
- Incomplete Records
- Incomplete Registration
- Late or Early Examination
- Late Registration
- Non-Sufficient Funds
  - First check
  - Second check
  - Third check
- Placement (College of Education)
- Post Office Box Rental, per semester
- Replacement of Student I.D./Vali-dine card
- Residence Hall Dues

### Special Examination

Special Examination, per semester hour or credit equivalent

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

Statement of Intent to Graduate (Undergraduate)

Statement of Intent to Graduate (Graduate)

Student Employment Placement

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

- Self
- Per Child
- Self/Spouse
- Self/Child
- Family

Transcripts (first one free), each additional

Undergraduate Academic Checksheet, per page

Writing Proficiency Examination

Yearbook (*Canyon Trails*)

### SPECIAL CLASS FEES

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

### STUDENT INSURANCE

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

All students living on campus (residence hall and apartment), and students participating in intercollegiate sports are required to carry accident/health insurance. A student insurance waiver form must be filled out **each semester** to verify proof of insurance. If this is not done before the deadline posted in the University Business Office, the insurance fee will be charged to the student's account. This form is available through the Housing Office or the University Business Office. Commuter students are encouraged to carry accident/health insurance. A short term policy will be available upon request. More information is available through the Head Cashier in the Business Office. *Dental insurance available upon request.*

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

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

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

**REFUND POLICIES**

**ADD/DROP**

If the student is dropping and adding a course simultaneously there will be no tuition penalty.

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

**COMPLETE WITHDRAWAL**

Students who completely withdraw from the University must submit to the Office of the Registrar a completed withdrawal form. This form is available in the Office of the Registrar. Tuition refund is subject to the Refund Schedule and is calculated on the date the completed withdrawal form is received in the Office of the Registrar. A complete withdrawal fee will be charged to the student.

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

**APPEALS**

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

**FINANCIAL AID**

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

1. Federal SLS program
2. Federal Stafford Student Loan Program
3. Federal Parental Loan Program
4. Federal Perkins Loan Program
5. Federal Pell Grant Program
6. Federal Supplemental Educational Opportunity Grant
7. Arizona State Grant Program

Students who reduce their course load during the refund period may be subject to repayment or recalculation of financial assistance. The portion of a refund allocated to a program will not exceed the amount a student received from that program. Any portion of a refund allocable to a loan made under the Stafford, SLS or PLS programs must be returned to the lender. If a student withdraws, drops out, or is expelled from school before the first day of classes, any Title IV funds the institution disbursed to the student for non-institutional costs — except for Federal Work-Study, or PLUS funds

— automatically become an overpayment and must be returned to the program from which they were awarded. A temporary hold will be placed on the student account in the University Business Office until the refund process is completed.

**REFUND SCHEDULE**

**Fall and/or Spring semester refunds**

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

**Tuition/Room and Board**

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

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

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

**Fees**

Fees are not refundable after the first week of classes.

**Summer session refunds**

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

**Tuition**

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

**Room and Board**

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

**Fees**

Fees are not refundable after the first week.

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

**Refund Check Request Policy**

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



and University regulations to determine if the funds are releasable and valid. Approved check requests will be available according to the schedule posted in the University Business Office.

## **FINANCIAL AID**

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

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

## **APPLICATION PROCESS**

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

Students will need to allow four to six weeks for processing on any of the listed application processes. Transfer students should also submit a Financial Aid Transcript (FAT) from each college or university attended regardless of whether or not financial aid was received. An academic transcript must be on file in the Office of Admissions from each previous college or university attended.

## **PREFERENCE / DEADLINE DATES**

Rather than operating under strict deadlines, the Office of Financial Aid makes an effort to provide funds to students as long as funds are available. However, priority dates do exist. A student's file should be complete at least sixty days prior to the academic period in which aid is desired.

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

All renewal applications must be submitted by March 15 to ensure renewal of scholarships for which a student remains eligible. If a

student fails to submit a renewal by the priority date, the student risks losing his/her scholarship and/or other financial aid.

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

## **DETERMINATION OF FINANCIAL AID**

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

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

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

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

## **AWARD PROCEDURES**

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

## **FINANCIAL AID AND ACADEMIC LOAD**

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

## **KEEPING THE OFFICE OF FINANCIAL AID INFORMED**

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

## SATISFACTORY ACADEMIC PROGRESS

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

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

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

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

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

### BACHELOR'S DEGREE PROGRAM

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

### GRADUATE DEGREE PROGRAM

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

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

process are available on request from the Office of Financial Aid.

## STUDENT RESPONSIBILITIES

### IT IS YOUR RESPONSIBILITY TO:

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

## STUDENT RIGHTS

### YOU HAVE THE RIGHT TO:

1. Know what financial assistance is available, including information on all federal, state, and institutional financial aid programs.
2. Know the deadlines for submitting applications for each of the financial aid programs available.
3. Know the cost of attending the institution and the University's refund policy.
4. Know how the University determines your financial need. This process includes how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc., are considered in your budget.
5. Know what resources (such as parental contribution, other financial aid, your assets, etc.) are considered in the calculation of your need.
6. Know how much of your financial need, as determined by the institution, has been met.
7. Request from the Office of Financial Aid an explanation of the various programs in your student aid package. If you believe you have been treated unfairly, you may request reconsideration of the award which was made to you.
8. Know what portion of the financial aid you received must be repaid, and what portion is grant aid. If the aid is a loan, you have the right to know what the interest rate is, the total amount that must be repaid, the payback procedures, the length of time you have to repay the loan, and when repayment begins.
9. Know how the University determines whether you are making satisfactory progress, and what happens if you are not.

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

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

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

### SCHOLARSHIPS

The University offers a number of scholarships to exceptionally well-qualified students. The student must take a minimum of twelve (12) semester hours to qualify as a full-time student and to be eligible for a scholarship. All scholarships are available for the regular academic year to qualified students, but not for the Summer terms, for a maximum of eight (8) 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 2.00 GPA. Applications received will be reviewed on a "first come" basis. Application must be made to the Office of Financial Aid not later than the last day of late registration in the Fall semester. No student, excluding Scholars 100 recipients, may be awarded in excess of \$3,500 per year in institutional, academic, and department scholarships.

### ACADEMIC SCHOLARSHIPS

#### SCHOLARS 100

High school graduates who are a Valedictorian or Salutatorian of their class or who graduate with a 4.00 GPA on a 4.00 scale from their high school may apply for one of a specified number of 100% Tuition Scholarships that the University makes available to incoming freshmen the Fall semester after their high school graduation. A student who has earned any college credits may not qualify for this academic scholarship unless the hours were taken while the student was concurrently enrolled in high school and had the equivalent of a 3.75 GPA in college courses completed. The scholarship is renewable for the full four years, provided a 3.75 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

#### TOP FIVE ACADEMIC

Students who graduate in the top 5% of their high school class may qualify for a 50% tuition scholarship the Fall semester after their

high school graduation. Students may also qualify with an ACT composite or SAT combined score at or above the 95th percentile nationally. A student who has earned any college credits may not qualify for this academic scholarship unless the hours were taken while the student was concurrently enrolled in high school and had the equivalent of a 3.50 GPA in college courses completed. The scholarship is renewable for the full four years, provided a 3.50 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

#### TOP TEN ACADEMIC

Students who graduate in the top 10% of their high school class and do not qualify for any other institutional academic scholarship may qualify for 25% tuition scholarship. A student who has earned any college credit may not qualify for the academic scholarship, unless the hours were taken while the student was concurrently enrolled in high school and had the equivalent of a 3.25 GPA in college courses completed. The scholarship is renewable for the full four years, provided a 3.25 GPA is maintained, renewal application is filed before the priority deadline, and the student maintains full-time enrollment.

#### TRANSFER HONORS SCHOLARSHIPS

Transfer students who have earned at least 24 semester hours of transferable, college level credit with a cumulative GPA of 3.50 or better for all work attempted may qualify for Transfer 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 3.50 or better for all college level work attempted. To renew the scholarship, the student must maintain a Grand Canyon GPA of at least 3.25, file a renewal application before priority deadline, and maintain full-time status. The Grand Canyon GPA is figured only on work attempted at the University; transfer work is not included. This scholarship may be received for a maximum of three years. Students who drop a semester and take more than 12 credit hours at another institution must requalify for the scholarship.

#### GRAND CANYON UNIVERSITY HONORS SCHOLARSHIP

Any continuing Grand Canyon University student who has earned at least 24 semester credit hours with a cumulative GPA of 3.50 or better for all work attempted at Grand Canyon University may apply for an Honors Scholarship. To renew the scholarship, the student must maintain a Grand Canyon University GPA of at least 3.25, file a renewal application before the priority deadline, and maintain full-time enrollment status. This scholarship may be received for a maximum of three years.

#### GRADUATE FELLOWSHIPS

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

Renewal of Graduate Fellowships is partially contingent on resubmitting an application each year. Fellowships may be renewed at the

discretion of the College of Education faculty. Evidence of continuing academic excellence is paramount but other factors may also impinge.

### DEPARTMENT FELLOWS

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

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

### WORK GRANTS

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

### OTHER INSTITUTIONAL SCHOLARSHIPS, AND GRANTS-IN-AID

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

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

### ENDOWED SCHOLARSHIPS

Listed here are scholarships that many alumni and friends of Grand Canyon University have endowed or have made commitments to annually fund for specific areas of study. The Office of Financial Aid coordinates the awarding of the scholarships. Students who file for financial aid have automatically applied for the scholarships which include demonstrated need as one of the criteria for award. Unless otherwise stipulated, the basic academic requirements for any of these scholarships is a 2.00 GPA. (The University has other endowed scholarships that have not attained the \$10,000 level presently required by Board policy for inclusion in the catalog.)

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

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

### GRANTS FROM PRIVATE BUSINESSES, FOUNDATIONS, AND ORGANIZATIONS

Dougherty Foundation Loan/Grant  
Farmers Insurance Group of Companies Scholarship  
First Interstate Bank of Arizona, N.A.  
Howard Relfe Memorial Scholarship  
Dorothea Van Deusan Opdyke Scholarship

### ROTC SCHOLARSHIPS

Air Force and Army ROTC scholarships are available to Grand Canyon University students. Scholarships vary in amount with a maximum award providing full tuition as well as an allowance for fees, and curriculum required textbooks. In addition, students may receive a non-taxable \$100 allowance each month during the school year while on scholarship status. Students not on ROTC scholarship but enrolled in the last two years of ROTC also receive the \$100 allowance. Scholarships are available on a 4-, 3½-, 3-, 2½-, 2-year basis. To qualify for 4-year scholarships, students must be U. S. citizens and submit an application prior to December 1st of their senior year of high school. For information contact the Air Force or Army ROTC detachments at Arizona State University.

## U. S. ARMY ROTC 4-YEAR SCHOLARSHIPS

Students who have been awarded the U. S. Army ROTC 4-year Scholarship may qualify for a room and board scholarship. More information is available through the Office of Admissions.

## ARIZONA SOUTHERN BAPTIST CONVENTION, MINISTRY-RELATED VOCATIONS SCHOLARSHIPS

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

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

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

## GRANTS

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

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

Any student who receives a Pell Grant will be asked to certify that he or she will not engage in the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance during the period covered by the Pell Grant.

## FEDERAL PELL GRANTS

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

## FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)

The SEOG provides gift aid to undergraduate students who, without this grant, would be unable to continue their education. Grants

may range from \$100, or one-half the student need, but not exceed \$4,000 per year. The application procedure is described under the "Financial Aid Application Process" section.

## ARIZONA STATE GRANT PROGRAM (ASG)

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

## STUDENT LOANS

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

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

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

## FEDERAL STAFFORD LOAN PROGRAM (GSL)

These loans are secured from an off-campus lending agency such as a bank, credit union, savings and loan association, or insurance agency. Undergraduate students may borrow up to \$2,625 for the first year of undergraduate study, \$3,500 for the second year of undergraduate study, and \$5,500 for each of the remaining two years of undergraduate study, up to an aggregate maximum of \$23,000. Graduate students may borrow up to \$7,500 per (\$8,500 after October 1, 1993) to an aggregate maximum of \$65,000 which includes loans for both undergraduate and graduate study. The interest rate for new borrowers is variable, based on the average Treasury Bill rate and as of October 1, 1992 was set at 6.94%. The interest rate has a cap of 9%. Students with existing loans will continue to borrow at the rate of their prior loans. Repayment begins six months after the borrower ceases to be enrolled at least half-time with monthly payments of not less than \$50, but with a maximum repayment time of 10 years. Student must meet general eligibility requirements and be enrolled at least half-time. Applications are available from either the lender or the Office of Financial Aid.

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

student loan.

### SUPPLEMENTAL LOANS FOR STUDENTS (SLS)

SLS are loans for students which provide additional funds for educational expenses and, like the Stafford/GSL, are made by a lender such as a bank, credit union, or savings and loan association. The SLS allows independent undergraduates to borrow up to \$4,000 per year for the first two years of undergraduate study, \$5,000 per year for the remainder of undergraduate study, to an aggregate maximum of \$23,000. Graduate students may borrow \$10,000 per year, to an aggregate maximum of \$75,000 including undergraduate loans. The SLS is in addition to the GSL limits. The interest rate is variable and as of October 1, 1992 was set at 7.36%. This rate may vary from year to year. Call the Office of Financial Aid to obtain current interest rate. SLS borrowers must begin repaying interest within 60 days after the loan is disbursed, unless the lender agrees to let the interest accumulate until the deferment ends. Before the SLS can be awarded a determination must be made to see if the student is eligible for the Stafford/GSL. The Financial Aid application procedure is described under the "Financial Aid Application Process" section. To be considered for this loan, a student must file an Application for Federal Student Aid.

### DISBURSEMENT OF STUDENT LOANS

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

### DISBURSEMENT OF THE STAFFORD AND SLS LOAN TO FIRST YEAR STUDENTS

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

### STUDENTS RECEIVING OVERAWARDS

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

### PLUS LOANS

PLUS Loans are for parent borrowers. This loan provides additional funds for educational expenses and like the Stafford/GSL, is made

by a lender such as a bank, credit union, or savings and loan association. The PLUS enables parents to borrow up to the full cost of attendance less any other financial aid for each eligible dependent. The interest rate on loans as of October 1, 1992 is set at 7.36%. This rate may vary from year to year but will not exceed 10%. Call the Office of Financial Aid to obtain the current interest rate. PLUS borrowers must begin repayment within 60 days after the loan is disbursed. Before the PLUS can be awarded, a determination must be made to see if the student is eligible for the Stafford/GSL. The Financial Aid application procedure is described under the "Financial Aid Application Process" section. Disbursement of the PLUS loan is a co-payable check mailed to the University.

### 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.

### FEDERAL WORK-STUDY PROGRAM (FWS)

This program provides part-time employment for U. S. citizens and permanent residents who have demonstrated financial need on the Application for Federal Student Aid. The maximum amount a recipient can earn under this program is determined through an evaluation of the AFSA. 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

The Office of Student Employment and Job Placement is located in the Office of Student Affairs building. The office is designed to assist students in finding Federal Work Study (FWS), non-federal work study (NFWS) and part-time off-campus jobs, and to help students with their job-hunting campaign.

### FEDERAL WORK STUDY

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

### NON-FEDERAL WORK STUDY

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

### PART TIME JOBS OFF-CAMPUS

Part-time off-campus positions can be obtained through the Office of Student Employment by checking the referrals and leads on the Job Opportunities Board. This board is updated regularly to give

students "HOT TIPS" as to who is hiring. These positions range from part-time tellers at near-by banks to live-in nannies.

## **JOB HUNTING**

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

## **PLACEMENT SERVICES**

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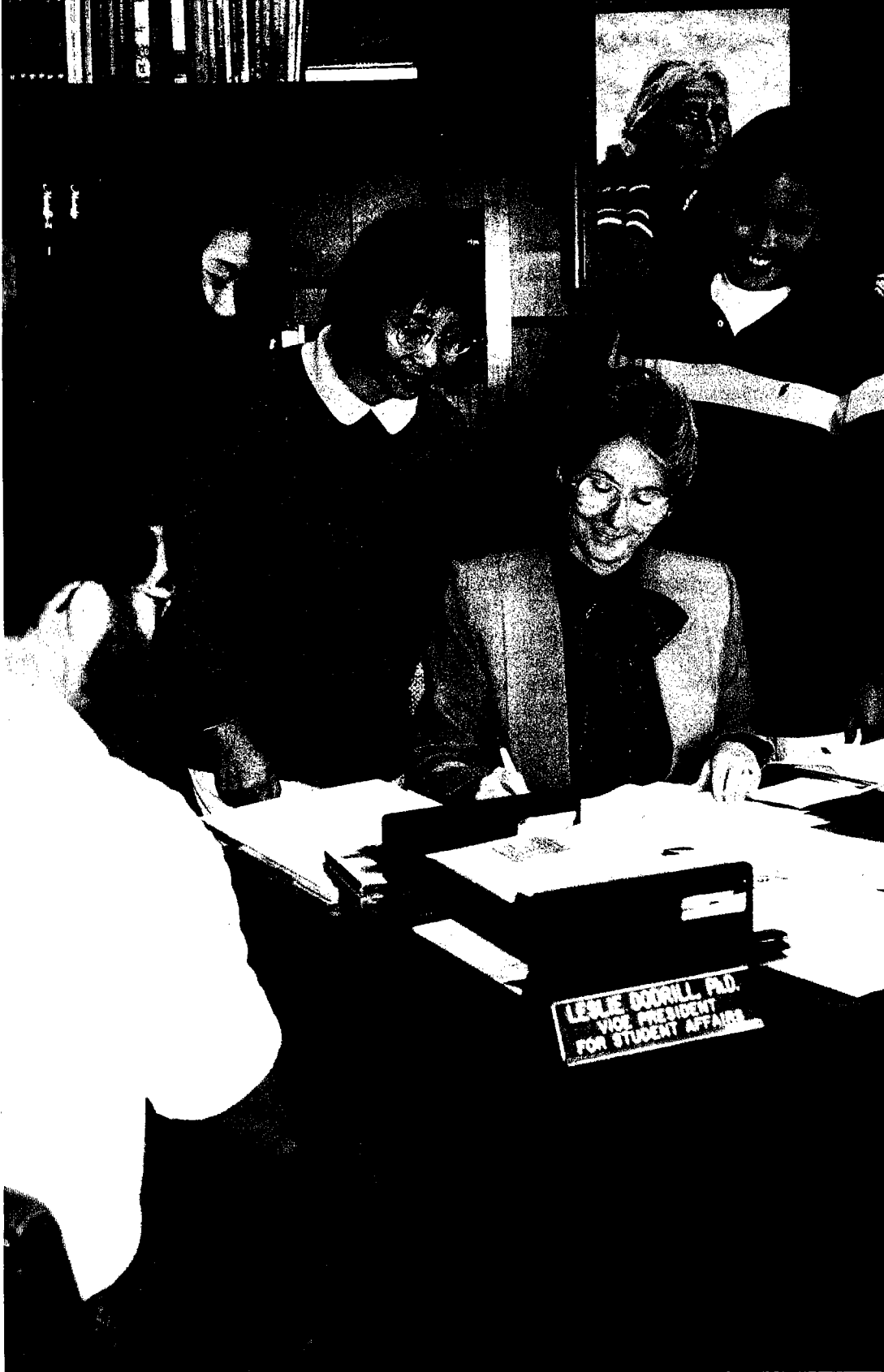
Education Placement Services are available through the College of Education. This office serves people who have completed the Teacher Education Program at Grand Canyon University. Correspondence should be addressed to the Director of Education Placement.

## **APPROVALS**

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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
- Disabled Student Building/Housing Access
- Eligibility for Activities
- Employment Services
- Food Services
- Health Services and Health Records
- Honors and Special Recognition
- Housing Services
- Intercollegiate Athletics
- Organizations
- Religious Life
- Student Clubs
- Student Dress
- Student Publications
- Student Resource Center
- Traditional Events
- Tutoring

*Student Life*



## STATEMENT OF PRINCIPLES

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

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

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

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

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

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

## ACTIVITIES

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### INTRAMURAL ATHLETICS

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

### DRAMA AND SPEECH ACTIVITIES

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

## MUSICAL PROGRAMS

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

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

## CHAPEL ATTENDANCE

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

## CONDUCT

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

All students should familiarize themselves with rules and discipline procedures stated in the Student Handbook/University Calendar. When a student does not meet the University's general standards of behavior or comply with its regulations, the University may take disciplinary action. Such action may take the form of a reprimand, restriction of certain privileges, suspension, or final dismissal.

## STUDENT RESOURCE CENTER

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The Student Resource Center exists to provide services to help students achieve their educational goals through career assessment and development, adjustment counseling and referral, resources for personal and vocational development and ongoing educational seminars designed to promote student mental health and wellness.

The Student Resource Center is open Monday - Friday, 8 a.m. to 5 p.m. and is located in the Office of Student Affairs.

## DISABLED STUDENT BUILDING / HOUSING ACCESS

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

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

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

#### **EMPLOYMENT SERVICES**

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

#### **FOOD SERVICES**

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

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

#### **HEALTH SERVICES AND HEALTH RECORDS**

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

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

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

**ALL STUDENTS MUST SUBMIT A HEALTH HISTORY FORM AS WELL AS CURRENT IMMUNIZATION DATES (MONTH AND YEAR) PRIOR TO REGISTRATION.** Current immunizations dates are according to the Center for Disease Control recommendations.

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

Any student enrolled at the University who becomes, in the opinion of the medical staff of the Cooke Health Center, a danger to himself or herself or to others, shall be required to vacate University housing and/or be withdrawn from classes and will not be re-admitted until the problem has been corrected. A student who withdraws from school may be required to furnish a medical release from his or her physician before being permitted to re-enter.

#### **HONORS AND SPECIAL RECOGNITION**

##### **HONORS DAY**

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

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

**Ray-Maben Scholars** — This recognition represents the highest scholarship honor awarded by Grand Canyon University. Criteria are established by the faculty and the honor is bestowed each year at graduation. The criteria consists of a cumulative and Grand Canyon GPA of at least 3.90, with no more than 12 transferrable hours.

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

**Graduation with Honors** — The requirements for graduation with honors are stated on page 44.

**Honor Roll and Dean's List** — At the close of each semester, the freshman and sophomore Honor Rolls and the Dean's List are calculated. Students carrying twelve (12) or more semester hours

with a minimum of eight (8) semester hours of graded courses are considered for these honors.

Freshmen students whose grade point average is 3.00 or above qualify for the Freshman Honor Roll.

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

Students whose grade point average is 3.50 or above qualify for the Dean's List.

Special audit privileges for honor students are described on page 45.

**Who's Who in American Universities and Colleges** — This honor recognizes, each year, approximately 15 Seniors with outstanding records of campus activities, citizenship, and promise of future success and usefulness in society. Nominees must have a cumulative and Grand Canyon GPA of at least 3.00 and have attended for two semesters as a full-time student. Selections are made by the faculty and student body.

**The Pierian Award** — The Pierian Club awards, each Spring semester, an appropriate gift to the Junior or Senior English major who has the highest scholastic average for the year. A minimum of a 3.00 ("B") grade point average must be attained by the recipient.

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

## HOUSING SERVICES

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

All unmarried Freshman or Sophomore students who are under 20 years of age and who carry twelve (12) credit hours or more at Grand Canyon University, are required to live in residence housing. Freshmen are required to live in residence halls; Sophomores may apply for the apartments, if space is available. Exceptions are made for those students who live with their parents, guardians, or close relatives.

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

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

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

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

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

## INTERCOLLEGIATE ATHLETICS

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

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

Grand Canyon University is a member of the Pacific West Conference, an NCAA Division II Conference that sponsors championships in the sports of men's and women's basketball and women's volleyball. Other conference members include the University of Alaska - Anchorage, the University of Alaska - Fairbanks, Chaminade University, Eastern Montana College, Portland State University and Seattle Pacific University. The conference is considering the addition of men's and women's cross-country to the list of championships offered.

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

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

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

The colors of Grand Canyon University are purple and white.

## ORGANIZATIONS

### STUDENT GOVERNMENT

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

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

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

## RELIGIOUS LIFE

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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

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

## STUDENT DRESS

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

## STUDENT PUBLICATIONS

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### 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

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

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

## TUTORING

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

# Admission Policies and Procedures



General Statement

Campus Visits

Orientation

Undergraduate Admissions

General Information

Early Admissions  
Program

Standards of Admission

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

## CAMPUS VISITS

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

## ORIENTATION

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

## UNDERGRADUATE ADMISSIONS

### GENERAL INFORMATION

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

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

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

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

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

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

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

## EARLY ADMISSIONS PROGRAM

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

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

## APPLICATION PROCEDURES: NEW FRESHMEN AND TRANSFER STUDENTS

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

student, you will need to submit:

1. A completed and signed Application for Admission;
2. A non-refundable application processing fee;
3. 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 Health History Form, accompanied by verification of current Measles, Mumps, Rubella (MMR) immunization.
6. Enrollment Deposit.
7. Writing Proficiency Examination. Students are required to take and pass the Writing Proficiency Examination (WPE) as a part of the registration process. Students seeking a second degree, NNP, MBA and/or MA in Education are exempt. Test dates are available through the Office of Admission and the Office of the Registrar.

**Application/Fee:** All prospective students must complete and sign the Application for Admission. It is important that you provide all the information requested; incomplete applications will be returned. The processing fee should accompany your application. (See page 13 for fee amount.)

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

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

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

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

**ACT/SAT Scores:** Test scores may be submitted to the Office of Admissions from either the ACT/SAT testing organization or with your official high school transcript. These examinations are offered

on a regular basis throughout the country and in several locations overseas, and should be taken as early as possible during or after the junior year in high school. Information, test dates, and additional score report request forms are available from your high school counselor or the Office of Admissions. Grand Canyon University's ACT code is 0092; our SAT code is 4331.

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

**Student Health History Form:** If you are accepted for admission to Grand Canyon University, you must complete a Health History form, including your immunization history. Specifically, we need verification of your current MMR immunization. MMR verification, which must be signed by a doctor, is required of all persons born after 1956.

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

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

This enrollment deposit may be refundable if a cancellation is made in writing. **Certain specified conditions apply.** Please contact the Office of Admissions for the policy on refunds.

**Writing Proficiency Examination:** See page 50 of the catalog for requirements and procedures.

#### STANDARDS OF ADMISSION:

**First Year Entering Freshman:** A graduating high school student has the opportunity to be accepted to Grand Canyon University under one of the following levels of admittance:

- Admission with Distinction
- Admission with Specification

**Admission with Distinction:** Under this level of admittance, a high school student may be accepted for admission by meeting one of the four criteria stated below:

- Rank in the top quarter (25%) of his or her graduating class **or**
- Have a grade point average for all academic subjects of at least a 3.00 **or**
- Score a composite of 22 on the ACT **or**
- Score a composite of 930 on the SAT

IN ADDITION, it is necessary that the student satisfactorily complete basic competency requirements. These requirements may be met by a combination of high school courses, college courses and test scores:

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

Admission may be granted with one deficiency in no more than two competency areas; a full explanation of competency requirements is provided in the following information.

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

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

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

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

**Basic Competency Requirements:** These requirements may be met by combinations of high school courses, college courses, and test scores. A minimum of 2.00 must be earned in each of the four following competency areas.

#### English

1. Four years of high school English (composition/literature-based) or
2. Minimum test score of 21 on ACT English or 450 on SAT Verbal or
3. Three semester-hour transferable English composition course

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

#### Mathematics

1. Three years of high school mathematics courses: two years of algebra, one year of a math course that requires algebra as a prerequisite or
2. Minimum test score of 20 on ACT Math or 500 on SAT Math or
3. Two three-semester-hour college pre-algebra courses or one transferable three-semester-hour college algebra course.

**Mathematics Placement:** All new students who are deficient in math competency or who are admitted with specification are required to take a math examination for appropriate level placement.

#### Laboratory Science

1. Two years high school laboratory science; one year each from two of the following: biology, chemistry, earth science, or physics or
2. One year high school laboratory science (biology, chemistry, earth science or physics) plus minimum test score on one of the following: ATP Chemistry Achievement - 575, ATP Biology Achievement - 500, ATP Physics Achievement - 590, ACT Science - 20 or
3. Two transferable four-semester-hour college laboratory science courses.

#### Social Science

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

##### Section A

1. One year high school American history or
2. Minimum test score of 510 on ATP American History/Social Students Achievement or
3. One transferable three-semester-hour college American history course.

##### Section B

1. One year high school social science (European history, world history, sociology, geography, government, psychology, or anthropology) or
2. Minimum score of 545 on one of the following: ATP European History/World Cultures Achievement or
3. One transferable three-semester-hour college social science course.

#### Transfer Students

Transfer students with at least 24 semester hours of transferable credit in academic subjects must have a cumulative grade point average of at least 2.00 on a 4.00 scale to be admitted to the University. Students with less than 24 hours are subject to the same requirements as listed for freshman applicants, and must submit an official high school transcript in addition to official transcripts from colleges and/or universities attended.

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

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

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



## HONORS PROGRAM

Each year, a select group of entering students, usually new freshmen, are invited to participate in the University Honors Program. More information concerning general criteria for selection is available through the Dean of the College of Liberal Arts and Sciences.

More specific information and honors course descriptions can be found in the Special Programs section of this catalog.

## SPECIAL PROGRAMS FOR ADVANCED PLACEMENT AND CREDIT

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

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

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

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

### ADVANCED PLACEMENT (AP)

Exam	Score	Credit Hours
American Government	5	3 (POS 252)
	1-4	None
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)
	1-2	None
Chemistry	4-5	8 (CHM 113/115)
	3 + dept. conference	4 (CHM 113)
	1-2	None
	4-5	6 (CSC 100/101)
Computer Science AB	3	3 (CSC 100)
	1-2	None

Computer Science A	4-5	3 (CSC 100)
	1-3	None
English Language, Literature/Composition	4-5	6 (ENG 101/102)
	3 + pass Writing Exam	0 (ENG 101/102 waived; but must complete six hours of English electives)
	1-2	None
French, German or Spanish Language	4-5 + dept. conference	12-16 (FRE/GER/SPA 101/102/201/202)
	3 + dept. conference	Possible lower div. SPA credit
	1-2	None
Mathematics AB (Calculus)	4-5	8 (MAT 270/271)
	3	4 (MAT 210)
	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
Physics	4-5	8 (PHY 111/112)
	3	4 (PHY 111)
	1-2	None
Western Civilization	5	6 (HIS 101/102)
	4	3 (HIS elective)
	1-3	None

### COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

General Examination	Score	Credit Hrs.	Equivalency
English Composition (1978 scale)	610	6	ENG 101/102
English Composition (1986 scale)	500	6	ENG 101/102
Humanities	500	6	Humanities elective
Mathematics	500	6	MAT elective
Natural Sciences	500	6	Science elective
Social Science	500	6	Social Science elective
Subject Examination	Score	Credit Hrs.	Equivalency
American Government	50+	2	POS 252
American Literature	50+	3	ENG Elective
Analysis and Interpretation of Literature	50+	3	ENG elective

Subject Examination	Score	Credit Hrs.	Equivalency
Calculus w/ Elementary Functions	60+	4	MAT 210
College Algebra	50+	3	MAT elective
College Algebra and Trigonometry	50+	3	MAT elective
College Composition	50+	3	ENG elective
College French	42-51 52-80	8 16	FRE 101/102 FRE 101/102/201/202
College German	42-51 52-80	8 16	GER 101/102 GER 101/102/201/202
College Spanish	42-51 52-80	8 16	SPA 101/102 SPA 101/102/201/202
Educational Psychology	—	0	None
English Literature	50+	3	ENG elective
General Biology	50+	8	BIO 181/182
General Chemistry	50+	8	CHM 113/115
General Psychology	50+	3	PSY 101
History I	50+	3	HIS 103
History II	50+	3	HIS 104
Human Growth and Development	50+	3	PSY 341 (Lower Division)
Intro to Accounting	50+	6	ACC 211/212
Intro to Business Law I	50+	3	BUS elective
Intro to Macroeconomics	60+	3	ECN 201
Intro to Management	—	0	None
Intro to Marketing	—	0	None
Intro to Microeconomics	60+	3	ECN 202
Sociology	50+	3	SOC 101
Trigonometry	50+	2	MAT elective
Western Civilization I	50+	3	HIS 321 (Lower Division)
Western Civilization II	50+	3	HIS 102

## EVALUATION OF TRANSFER CREDIT

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

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

**The following guidelines are used in determining acceptability of courses:**

- The University generally accepts courses from regionally accredited colleges and universities provided the work is not of a highly specialized nature and that a grade of "C" or better was earned. *Transfer Credit Practices of Designated Educational Institutions*, published by the American Association of Collegiate Registrars and Admissions Officers, is used as a general guide in determining acceptability. Courses in which "D" grades were earned may be used in some cases to meet general studies 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

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college credits prior to completion of the military training program.

- A maximum of 16 hours technical credit earned at a regionally accredited college or university will be accepted as general elective credit toward graduation.
- The University does not recognize credit awarded by other institutions of higher education for "life experience." In addition, the University will not grant credit for independent studies, orientation programs, cooperative work study, or similar courses taken at other schools.
- The University reserves the right to require students to validate certain credits by testing, if necessary.
- The University will accept a combined total of no more than 64 hours of community college credit, technical credit, military service credit, and credit granted for work done at unaccredited institutions.

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

### DIRECT TRANSFER PLAN

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

Exceptions to the Direct Transfer Plan are as follows:

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

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

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

Only the Associate of Arts programs specifically designed to prepare students for transfer to a four-year college or university are 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 non-refundable application fee, unless the student has previously applied to the University and paid the fee. (See pg. 13 for fee amount.)

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

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

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

### ADMISSION OF FIFTH-YEAR STUDENTS

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

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

### ADMISSION OF UNCLASSIFIED STUDENTS

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

Non-degree bound students planning to enroll in 12 or more hours must submit all records required of new freshmen or transfer students (see pg. 31-32).

### READMISSION

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

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

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

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

## ADMISSION OF INTERNATIONAL STUDENTS

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

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

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

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

**Fall semester (August) entry - July 15**

**Spring semester (January) entry — December 1.**

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

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

TOEFL  
Box 899  
Princeton, New Jersey, U.S.A. 08540

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

After all the above documents are received by the Office of

Admissions, your application will be reviewed and you will be notified of your status.

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

**5. Financial Guarantee** — Most international students at Grand Canyon University receive no financial assistance from the University. Therefore, international applicants must furnish evidence of full financial support while in the U.S. The cost of attending the University and living in Phoenix is currently estimated at \$13,000.00 (U.S.) per year, or \$10,500.00 if you go home for the summer. You must submit documentary evidence that you have sufficient funds to meet these expenses. A Financial Guarantee form, completed and signed by an officer of a known bank, must be submitted to the Office of Admissions.

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

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

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

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

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

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

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

**Admission Into the EASE Program:** Grand Canyon University offers an innovative program geared towards students desiring to study in the United States but who have not attained a TOEFL score of at least 500. The program, designed to assist students with cultural adjustment and skills other than English which are necessary for success in the university environment, is called Learning with EASE (English Adjustment Skills and Experience).

At the end of each semester, students will be evaluated in English proficiency, and a determination made on their readiness to enroll

in courses for academic credit. Some students are allowed to simultaneously enroll in EASE and academic courses.

To apply, a student should complete the admissions packet for international students, available through the Office of Admissions. Designate that you wish to enroll in the EASE program. For more information contact:

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

## ADMISSION OF GRADUATE STUDENTS

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

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

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

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

**2. Transcripts** — Two sets of transcripts from each post-secondary institution attended must be submitted, one set to the Office of Admissions and one to the College of Education. To be considered for admission, a student's cumulative GPA for all college work must be at least a 2.50 on a 4.00 scale. Transcripts must be sent directly from the school where credit was earned to the appropriate office at Grand Canyon University; unofficial transcripts or hand-carried copies (except those in sealed envelopes) are unacceptable.

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

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

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

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

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

**1. Applications for Admissions** — see M.Ed.

**2. Transcripts** — see M.Ed. In order to be considered for admission to the M.A. program, a student's cumulative GPA for all college work must be at least 2.80 on a 4.00 scale.

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

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

**5. Miller Analogy Test or Graduate Record Examination** — Scores for one of these examinations must be submitted to the College of Education. This requirement is waived for applicants with an undergraduate GPA of 3.00 or higher.

**6. Interview** — see M.Ed.

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

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

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

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

**1. Application for Admission** — Applicants must submit a completed M.B.A. application to the Director, MBA Program along with the non-refundable application fee.

**2. Transcripts** — Official transcripts of ALL post-secondary work must be mailed directly to the Director, MBA Program. An official transcript must be mailed directly from the institution or may be hand-delivered if received in a sealed envelope. The baccalaureate degree must be earned from a regionally accredited college or university.

**3. Graduate Management Admission Test (GMAT)** — All applicants must take the GMAT. Applications for this test may be obtained by writing:

Graduate Management Admission Test  
Educational Testing Service  
Princeton, NJ 08541-6108

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

**4. Interview** — As soon as the above steps have been completed, telephone or write to the Director, MBA Program, College of Business, (602) 589-2820 and make an appointment for an interview.

You will be notified by letter as to the decision of the College of Business concerning your application. Admission is based on a sliding scale of grade point average (GPA) and Graduate Management Admission Test (GMAT) scores. In addition to GPA and GMAT scores, the applicant's professional experiences and personal interview with the Director, MBA Program, or his designee, will be considered in the admission process. The College of Business reserves the right to identify deficiencies and suggest courses for remediation of the deficiencies.

# General Academic Regulations



- Preface
- 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
- Examinations at Other Than Scheduled Times
- Grade Requirements
- Grading System
- Standards of Academics
  - Academic Honors
  - Honor Student Audit Privileges
  - Honors Study Program
  - Academic Probation
  - Academic Suspension
  - Conditional Status
- Student Records

## PREFACE

This section of the catalog describes many policies related to a student's academic life at Grand Canyon University. The policies are intended to assure the student a high quality education and to reflect that quality to accrediting agencies, state licensing/certifying agencies, individuals and groups who provide scholarships or otherwise support the University, and to potential employers and graduate schools. The University recognizes that there are individual circumstances and situations which may necessitate exceptions to these policies. When the purpose of the policy or regulation is not being defeated, the University will make every reasonable effort to accommodate those exceptional circumstances and provide a process for the student to appeal or request an exception be granted. Often the appeals process is explained with the policy but in any case where it is not described, the student should ask the Office of the Vice President for Academic Affairs how to proceed.

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

## ACADEMIC ADVISEMENT

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

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

## ACADEMIC SEMESTER HOUR

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

## CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The University believes that students themselves are primarily responsible for attendance. Instructors will provide students with written statements of their policies with respect to absences. If students violate the instructor's attendance requirements, the instructor may recommend to the Vice President for Academic Affairs that the student be administratively dropped from the course. If the student is administratively dropped, it will result in a grade of "W." **No refunds are made for administrative withdrawals.** Students may appeal administrative drops to the Office of the Vice President for Academic Affairs.

2. The student must notify the Office of Student Affairs directly when an absence from class of one week or more is unavoidable.

The Office of Student Affairs will notify instructors upon request. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Vice President for Academic Affairs.

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

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

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

## CLASSIFICATION OF COURSES

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

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

*Usually a freshman will not be permitted to take a course which bears a number higher than 299 and a sophomore not higher than 399. Certain classes are closed to freshmen who have not had designated prerequisites (consult course description for prerequisite requirement).*

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

500 - 699 are graduate level courses.

## CLASSIFICATION OF STUDENTS

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

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

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

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

Students are not permitted to graduate at the end of a semester or term which they began with a grade point average of less than 2.0. (See pg. 48 for General Graduation Requirements.)

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

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

*Second Degree Students* — those students who have completed a

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Bachelor's degree from a regionally accredited institution and are completing the requirements for a second Bachelor's degree (see pg. 52).

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

## COMPREHENSIVE EXAMINATIONS

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

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

## LIMITATIONS

1. Application for credit by examination must be made during the first year of enrollment at Grand Canyon University.
2. Credit applies only to catalog courses and only to those courses for which CLEP examinations are not available.
3. Credit will not be awarded for a course which is equivalent to, 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 Office of the Registrar.
2. Pay the special examination fee in the Business Office and obtain their validation of payment.
3. Complete the necessary information and obtain all necessary signatures.
4. Present the validated application to the instructor who will be responsible to prepare the examination.
5. Obtain the instructor's signature and final grade.
6. Return the application to the Business Office and pay the fee for each hour of credit awarded.
7. Submit completed form to the Office of the Registrar for posting of credit earned.

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

the student's file.

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

## CONCURRENT ENROLLMENT

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

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

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

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

## COURSES

### AUDITING OF COURSES

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

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

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

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

### CHANGE OF COURSES

After a student has completed registration, no change in course

schedule is permitted without the signatures of the professor or professors concerned, the Registrar or Vice President for Academic Affairs and the Business Office. Tuition may be refunded when changes in class schedule are made upon the recommendation of the Vice President for Academic Affairs. **Refunds are determined by the date the student files a completed withdrawal form with the Office of the Registrar.** (See the schedule of refunds beginning on pg. 14)

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

### COURSE LOAD

An undergraduate student who is enrolled for a minimum of 12 semester hours of credit courses is defined to be full-time during the Fall or Spring semesters. A total of 12 semester hours of credit courses during the Summer terms is considered full-time.

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

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

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

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

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

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

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

### DROPPING COURSES

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

A student who discontinues a course at any time without

withdrawing officially from it will be given a grade of "F" in the course.

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

### ORDER OF TAKING COURSES

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

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

A student classified as a senior is not permitted to take as an elective a freshman level course without permission from the faculty advisor and the Vice President for Academic Affairs.

### REPEATING COURSES

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

A student may be permitted to repeat a course in order to raise an earlier grade of "D." The last grade earned is considered the grade of record as it pertains to credit toward graduation.

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

### SPECIAL STUDY COURSES

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

#### INDEPENDENT STUDY

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

#### PRACTICUM

Numbered 399 in each department/college (except the College of Nursing) for one, two, three or four hours of credit, the practicum is a supervised practical experience in the student's major area of interest. A minimum of 45 hours (maximum 60) of practical experience will be scheduled for each semester hour of credit. The experience must be arranged with an agency,

organization or individual that must agree to provide an advisor to work with the faculty advisor in designing and evaluating the student's experience. This course is for Junior and Senior students with at least a 2.00 GPA and may be taken any semester with approval of faculty advisor, dean/department chairperson, and the Vice President for Academic Affairs. The Internship numbers in the Master of Arts and Master of Education programs are EDU 580/680.

### READING AND CONFERENCE

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

### PROCEDURES

Students should:

1. Obtain proper special study form from the Office of the Registrar (the Office of the Registrar keeps the records which indicate whether a student is eligible for a special study).
2. Complete required special study form in conference with the instructor.
3. Obtain proper signatures.
4. File completed form with the Office of the Registrar no later than one week after the last day to register for credit for that semester (see Academic Calendar). A student is not officially registered for a special study course until the completed form has been filed with the Office of the Registrar. It is recommended that this procedure be completed prior to registration.

### WITHDRAWING FROM COURSES

To withdraw officially from all courses a student must secure an official withdrawal form from the Office of the Registrar and obtain all signatures indicated on the form. A student who officially withdraws from all courses at any time during a semester receives a grade of "W." An unofficial withdrawal results automatically in a grade of "F." A student withdrawing from some but not all courses must do so before the date specified in the Academic Calendar.

### CORRESPONDENCE AND EXTENSION CREDIT

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

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

Credit for any correspondence work and for any extension work transferred from another institution must be recorded with the Office

of the Registrar prior to enrollment in the final semester before graduation. Such work done at any time by a student while enrolled in Grand Canyon University must meet all of the criteria for concurrent enrollment.

### ELIGIBILITY FOR ACTIVITIES

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

### EXAMINATIONS AT OTHER THAN SCHEDULED TIMES

Under certain conditions students may be permitted to take a major examination after the time it was given to the class. In such cases students must satisfactorily account to the instructor for their absence on the exam day and must present a receipt from the Business Office showing payment of the necessary fee (see pg. 13).

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

### GRADE REQUIREMENTS

For graduation, undergraduate students must present a minimum of 128 semester hours of credit and a grade point average of 2.00 for all courses attempted at Grand Canyon University. At least 45 hours must be upper division credit.

Candidates for a Master's degree must have a minimum grade point average of 3.00 for graduation.

The regulation concerning grades on college work taken elsewhere is given on pages 32-35.

Students must also have a "C" average (2.00 GPA) in their majors and may not count toward their major any course with a grade below "C."

Candidates for a secondary teaching certificate must have a minimum grade point average of 2.50 in their teaching majors.

In calculating a student's grade point average in the major, work transferred for the major is evaluated on the same basis as work taken at Grand Canyon University.

### GRADING SYSTEM

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

- A Superior; extraordinary scholarship; outstanding performance
- B Far above average; unusually good work
- C Average; standard performance; acceptable college work
- D Passing; but below standard
- F Failure or unauthorized withdrawal
- I Incomplete (see note this pg.)
- W Authorized withdrawal; no credit

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

#### ADMINISTRATIVE WITHDRAWAL

University professors are to provide students with a written attendance policy. If a student fails to comply with a stated attendance policy, the professor may administratively withdraw the student from the course. (See pg. 40 for more information.)

#### APPEAL OF GRADE

A student who feels that a grade has been unfairly awarded may appeal the grade by submitting a letter of appeal to the Academic Affairs Committee. The appeal should include specific reasons for requesting the grade change. A response from the instructor will be obtained before the appeal will be considered. Appeals for grade changes must be made within one year of the time the grade was assigned.

#### AUDIT GRADE

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

#### AVERAGING OF GRADES

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

#### CHANGE OF GRADE

Final grades may be changed only by the instructor of the course, and then only if there has been an error in computation or to remove an incomplete grade ("I"). The instructor must submit an official grade change form, a copy of which will be mailed to the student. (If the instructor is no longer at the University, the student should consult with the Dean of the College in which the course was offered.)

#### CREDIT GRADE

Certain courses earn credit toward fulfilling requirements but do not count in GPA computation. These courses are given a grade of "Cr" (credit). This grade is not offered as an option to students; rather, the courses earn only grades of "Cr" or "U." A grade of "U" earns no credit.

#### INCOMPLETE GRADE

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

#### WITHDRAWAL GRADE

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

#### STANDARDS OF ACADEMICS

##### ACADEMIC HONORS

##### GRADUATION WITH HONORS

Undergraduate students who have earned at least 60 hours at Grand Canyon University may qualify for honors at graduation by maintaining one of the following grade point averages:

- 3.40 to 3.59 may qualify for graduation *cum laude*;
- 3.60 to 3.79 may qualify for graduation *magna cum laude*;
- 3.80 to 4.00 may qualify for graduation *summa cum laude*.

Second degree and graduate students are not eligible for honors.

In order to qualify for a specific honor, students must meet or exceed the GPA requirement for that honor both on work done at Grand Canyon University and on all college work attempted. Transfer students may not graduate with an honor higher than that to which their GPA at Grand Canyon University would qualify them.

##### OTHER HONORS

Other honors related to academic achievement are described on page 25-26.

## 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 disciplines as well as exchanges with faculty and students outside their own fields.

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

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

## ACADEMIC PROBATION

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

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

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

An undergraduate student on probation is not classified as a senior scheduled for graduation (see pg. 50).

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

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

## ACADEMIC SUSPENSION

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

- 1.50 for Freshmen and Sophomores
- 1.75 for Juniors
- 2.00 for Seniors

A student who has been suspended may make written application

to the Vice President for Academic Affairs for reinstatement. A student subject to academic suspension for the third time is normally given final dismissal.

A student reinstated after an academic suspension is admitted with specification (see Admission with Specification, pg. 32).

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

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

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

## CONDITIONAL STATUS

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

## STUDENT RECORDS

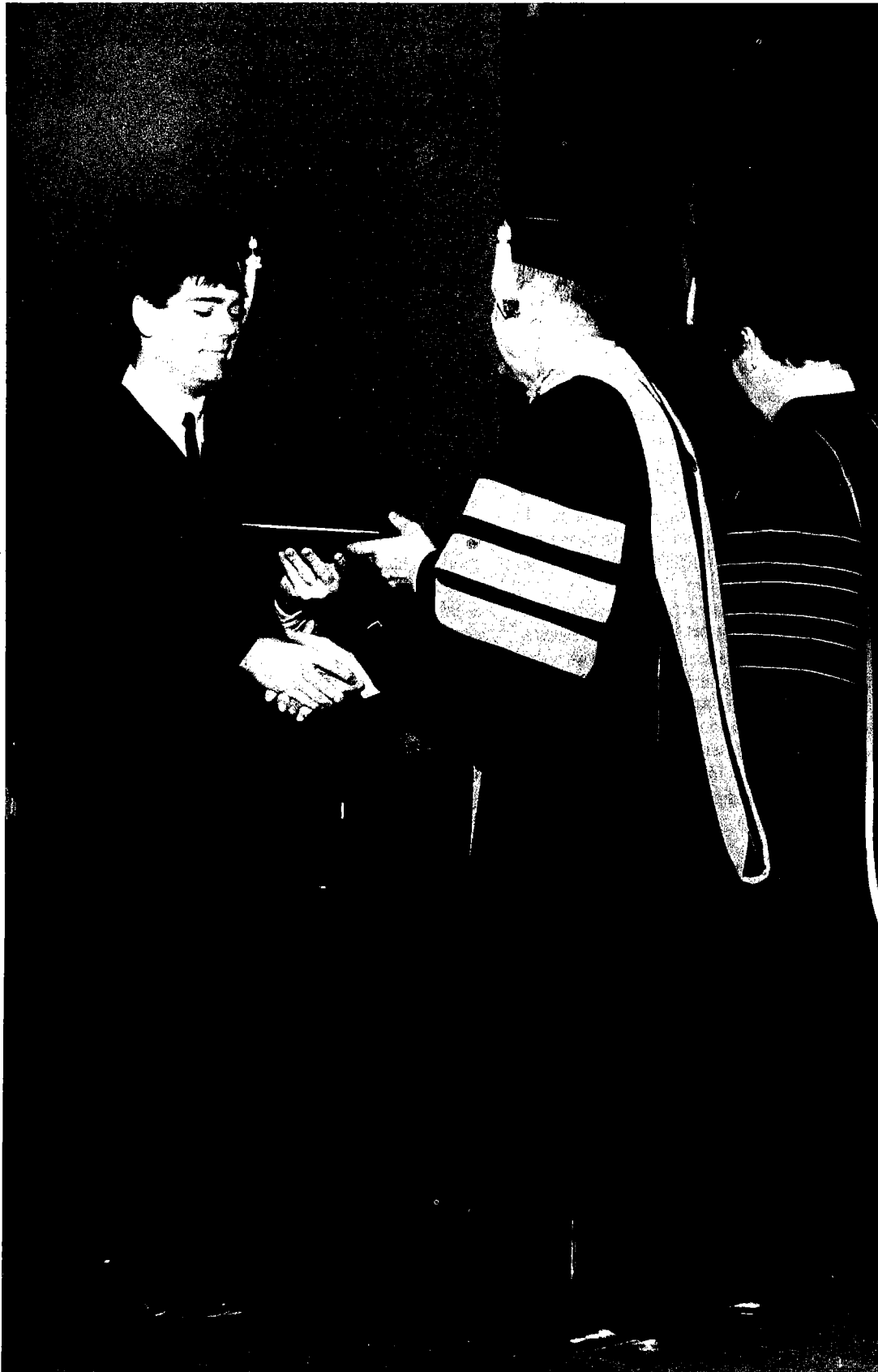
Annually, Grand Canyon University informs students of the Family Educational Rights and Privacy Act of 1974. This Act, with which the institution wishes to comply fully, was designed to protect the privacy of educational records, to establish the right of students to inspect and review their educational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

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

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

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

# Graduation Requirements



- Graduation Requirements
- Degrees Offered
- Choice of Catalog
- Curricular Requirements for Graduation
- Elective Courses
- General Requirements for Graduation
- Commencement Exercises
  - Academic Regalia
  - Attendance
  - Eligibility to Participate in Commencement
- Grade Requirements for Graduation
- Correspondence and Extension Credit
- Graduation with Honors
- Minimum Residence
- Total Hours/Grade Point Average
  - Major Grade Point Average
- Upper Division Requirement
- Writing Proficiency Examination
- University Success Program
- General Studies
  - Bachelor Degree Candidates Suggested Program
  - Bachelor of General Studies Degree Requirements
  - Special Conditions
- Major and Minor Subjects
- Second Degree
- Double Degree

## GRADUATION REQUIREMENTS

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

## DEGREES OFFERED

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

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

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

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

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

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

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

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

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

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

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

- Accounting (No minor required)
- Athletic Training
- Biology (Environmental)
- Biology (General)
- Biology (Secondary Teaching)
- Business Education (No minor required)
- Chemistry
- Computer Science
- Computer Science (Secondary Teaching)
- Corporate Fitness and Wellness
- Elementary Education
- Finance (No minor required)
- Human Resource Development (No minor required)
- International Business (No minor required)
- Justice Studies (No minor required)
- Marketing (No minor required)
- Mathematics
- Mathematics (Engineering)
- Mathematics (Secondary Teaching)
- Music Education (No minor required)
- Physical Education (Teaching)
- Psychology
- Recreation
- Science Teaching (No minor required)
- Sociology
- Special Education
- Speech Teaching

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

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.

## \* CHOICE OF CATALOG

The Catalog is published every two years. Department, College, and University requirements may change and often are upgraded. In determining graduation requirements, a student may use only one catalog.

1. A candidate for a degree from Grand Canyon University may elect to meet the requirements for graduation as outlined in the catalog in effect at the time of his/her original matriculation or those of any subsequent catalog, provided the student has remained in continuous enrollment at Grand Canyon. Continuous enrollment is defined as enrollment in every Fall and Spring semester; enrollment in the Summer session is not relevant for the purposes of catalog choice.

2. A student who has been readmitted after a period of nonattendance, or after attending an institution other than Grand Canyon

University, will graduate under the requirements for graduation as stated in the catalog at the time of readmission. This provision applies whether the period of nonattendance at Grand Canyon University was voluntary or due to academic suspension.

3. Students who complete one degree program and then wish to pursue a second degree do not necessarily do so under the same catalog as their first degree. These students must meet the catalog requirements in effect at the time they begin work toward the second degree, even if they have remained in continuous enrollment.

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

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

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

### **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 and (3) Elective Courses.

### **ELECTIVE COURSES**

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

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

### **GENERAL REQUIREMENTS FOR GRADUATION**

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

### **COMMENCEMENT EXERCISES**

#### **Academic Regalia**

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

#### **Attendance**

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

#### **Eligibility to Participate in Commencement**

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

### **GRADE REQUIREMENTS FOR GRADUATION**

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

2. Graduate: To graduate at the end of a given semester, a graduate student must have a 3.00 grade point average (B) at the beginning of that semester. Graduate students must complete their entire program prior to being permitted to participate in commencement and any of the associated activities unless prior approval has been given.

### **CORRESPONDENCE AND EXTENSION CREDIT**

Record of all correspondence and extension work transferred from another institution must be filed with the Office of the Registrar prior to enrollment in the final semester before graduation. (See pg. 43 for additional information concerning correspondence and extension credit.)

### **GRADUATION WITH HONORS**

The requirements for graduation with honors are stated on page 44.

### **MINIMUM RESIDENCE**

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

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



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

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

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

### **TOTAL HOURS/GRADE POINT AVERAGE**

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

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

The total minimum number of semester hours required for a baccalaureate degree is 128 with a minimum grade point average of 2.00, indicating an average of "C," on all coursework taken at Grand Canyon University. 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 2.00 (see pg. 40-41, Classification of Students).

### **MAJOR GRADE POINT AVERAGE**

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

Graduate students in the Master of Arts in Education and Master of Education programs must maintain a 3.00 grade point average.

### **UPPER DIVISION REQUIREMENT**

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

### **WRITING PROFICIENCY EXAMINATION**

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

Undergraduate students who take freshman English elsewhere are required to take the examination before or during their first semester at the University. The examination may be taken twice; if a student fails the examination the second time, he/she must register for ENG 100, Basic English, the following semester. Opportunities for computer tutorials and independent conference will be available.

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

Notices of the examination dates appear through various campus publications.

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

More specific information may be obtained from the Office of the Dean in the College of Liberal Arts and Sciences.

### **UNIVERSITY SUCCESS PROGRAM**

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

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

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

### **GENERAL STUDIES**

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

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

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

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

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

### PASS THE WRITING PROFICIENCY EXAMINATION

#### CHRISTIAN STUDIES (6 hours)

BIB 101	Survey of the Old Testament	3 hours
or BIB 113	Old Testament History	
BIB 102	Survey of the New Testament	3 hours
or BIB 123	New Testament History	

#### ENGLISH (6 hours)

ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours

#### HUMANITIES (6 - 7 hours)

At least one course from each group:

Group I:	Art, Music, Theatre	3 hours
Group II:	Foreign Language, Literature, Philosophy, Speech	3 - 4 hours

#### SOCIAL SCIENCES (9 hours)

HIS 101, HIS 102, HIS 103, or HIS 104	3 hours
Electives From:	
History, Geography, Macroeconomics, Political Science, Psychology, Sociology	6 hours

#### SCIENCES (10 hours)

At least one course from each group:

Group I:	Math (MAT 120 or above*)	3 hours
Group II:	Lab Science	4 hours
Group III:	Math, Science, Computer Science, Computer Application Module(s), or Statistics	3 hours

\* Some Colleges and/or Departments may have higher requirements. See degree requirements in each College and/or Department.

#### PHYSICAL EDUCATION\* (2 hours)

Activity courses	2 hours
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\* Upon written recommendation of a licensed physician and approval of the Department of Exercise Science, Sport and Recreation, a three-hour course in physical education or health education may be substituted for the entire requirement in physical activity courses. Normally one of the following courses suffices: HLT 200, HLT 270, REC 215.

39 - 40 hours

### SUGGESTED PROGRAM FOR BACHELOR DEGREE CANDIDATES

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

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

#### Freshman Year

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

#### Sophomore Year

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

#### Junior Year

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

#### Senior Year

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

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

### 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:

Pass Writing Proficiency Examination	
Courses listed on page 51	39 hours
Electives	89 hours
	<hr/>
	128 hours

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

A maximum of 21 hours of Upper Division work in any one academic department will be acceptable toward the degree. (BUS, ACC, ECN, FIN, MKT, MGT and HRD are all in the same academic department.)

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

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

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

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

### SPECIAL CONDITIONS

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

### MAJOR AND MINOR SUBJECTS

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

With few exceptions, undergraduate students must also select a different subject area, to be known as the minor, in which they must present 18 hours of acceptable credit. See page 48 for these exceptions. Of these 18 hours, six must be from Upper Division courses.

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

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

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

Transfer students should consult the paragraph concerning minimum residence (see pg. 49-50).

### \* SECOND DEGREE

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

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

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

### \* DOUBLE DEGREE

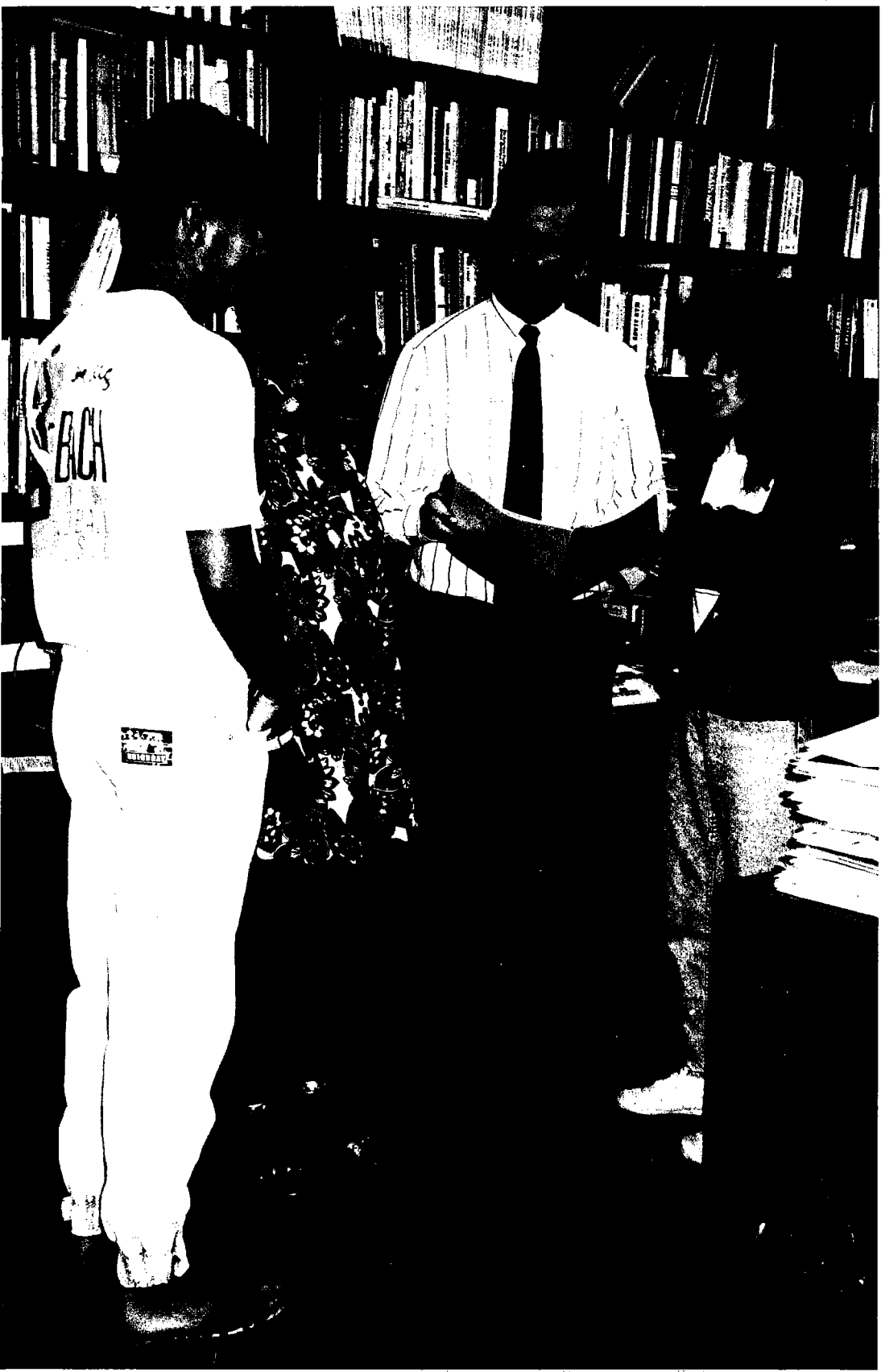
A student wishing to pursue two degrees simultaneously from Grand Canyon University must meet the following requirements:

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

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

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

# Departments of Instruction



College of Business

College of Communications and Fine Arts

Art

Communications/Speech

Music

Theatre/Drama

College of Education

College of Liberal Arts and Sciences

Christian Studies

English and Modern Languages

Exercise Science, Sport and Recreation

History, Philosophy and Social Sciences

Mathematics and Computer Science

Natural Sciences

Samaritan College of Nursing

Special Programs

Reserve Officers Training Corps

University Programs

**DEGREES AND MAJORS OFFERED**

**MASTER OF ARTS IN EDUCATION**

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

**MASTER OF EDUCATION**

Elementary Education  
 Secondary Education

**MASTER OF BUSINESS ADMINISTRATION**

**BACHELOR OF ARTS**

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

**BACHELOR OF GENERAL STUDIES**

General Studies (No minor required)

**BACHELOR OF MUSIC**

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

**BACHELOR OF SCIENCE**

Accounting (No minor required)  
 Athletic Training  
 Biology (Environmental)  
 Biology (General)  
 Biology (Secondary Teaching)  
 Business Education (No minor required)  
 Chemistry  
 Computer Science  
 Computer Science (Secondary Teaching)  
 Corporate Fitness and Wellness  
 Elementary Education

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

**BACHELOR OF SCIENCE IN NURSING**

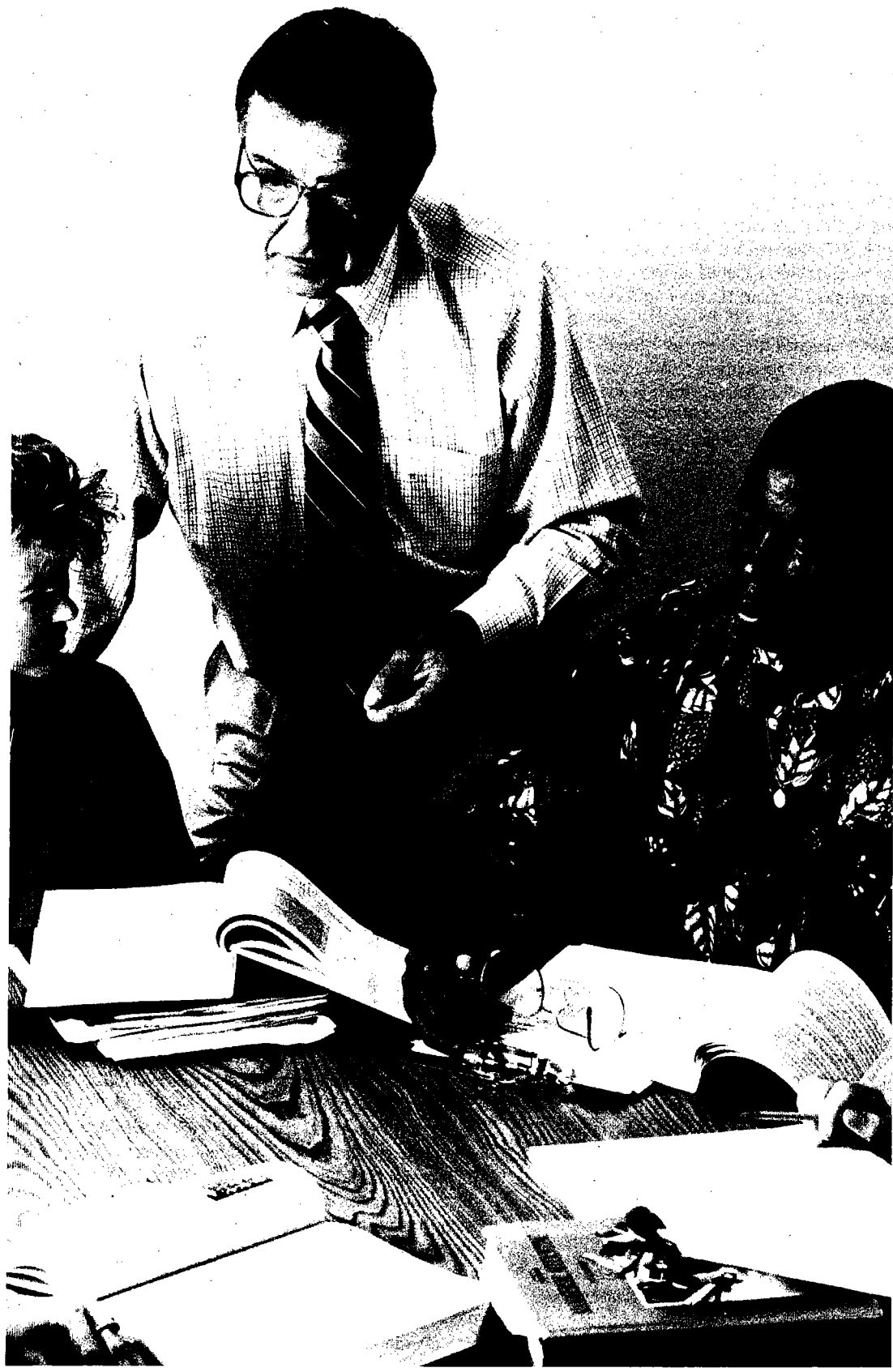
Nursing (No minor required)

**MINORS OFFERED**

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

d)

# College of Business



- College Description
- Admission to  
Advanced Standing
- Internship Guidelines
- Graduate Studies
- Degree Requirements
- Undergraduate
  - Accounting
  - Business Education
  - Finance
  - Human Resource  
Development
  - International Business
  - Marketing
- Degree Requirements
- Graduate
  - Master of  
Business Administration
- Course Descriptions

*College of Business*

## COLLEGE DESCRIPTION

The goal of the College of Business is to provide a quality education that will enable students to assume leadership positions in a variety of business, governmental, and non-profit organizations. Grand Canyon University's Christian foundation and its liberal arts emphasis provides an excellent environment for this type of education. Small class sizes give opportunities for close student-faculty interaction. Professors in the College have a genuine interest in the student, as well as a strong Christian commitment.

With the increasing complexity of the business world, solid academic preparation is essential for success. The College of Business offers undergraduate majors in Accounting, International Business, Finance, Human Resource Development, and Marketing. A major in Business Education is jointly offered with the College of Education. The College of Business also offers a Master of Business Administration program which enables qualified students to study advanced topics in management without interrupting their careers.

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

The international business major consists of the business core plus additional foreign language and cultural courses. A key component of this program is a required internship in a foreign country or foreign study experience. Graduates of this program are qualified for both domestic or overseas positions with business or government.

The finance major is designed for students interested in careers in banking, corporate finance, or investments. The emphasis is on applications, and extensive use of the computer is made in all courses.

The human resource development major has as its objective the preparation of students who plan to work with businesses and government in training and personnel careers.

The marketing major combines a strong business core with special emphasis in market forces, marketing strategy, and sales management. Marketing students are prepared for careers in sales, merchandising, marketing research, or graduate study.

The Master of Business Administration (MBA) is accredited by the North Central Association of Colleges and Schools. Designed for working professionals who desire to complete their graduate degree without interrupting their professional careers, the program consists of 36 graduate credit hours offered during the evening. Students with the necessary academic or professional background who complete two courses per semester on a tri-semester basis (three 15-week semesters per year) will be able to complete their required graduate courses in two years.

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

### ADMISSION TO ADVANCED STANDING

Undergraduate students must be admitted into Advanced Standing in the College of Business before they can be considered for a degree. Normally, this application is filed with the College of Business at the end of the student's sophomore year. Until a student is admitted to advanced standing, the only upper division courses that can

be taken are 300-level courses with a BUS or ECN prefix.

In order to meet the requirements for advanced standing, a student must have compiled a minimum 2.25 GPA in the following courses (or their equivalents):

ENG 101 and ENG 102 .....	6 hours
ACC 211 and ACC 212 .....	6 hours
ECN 201 and ECN 202 .....	6 hours
MAT 121 .....	3 hours
BUS 251 .....	3 hours
CAM 180 (selected options) .....	3 hours
<b>Total</b>	<b>27 hours</b>

In addition, students must pass the Writing Proficiency Exam before being admitted. Exceptions to the above requirements may be granted by the College of Business.

Application forms may be obtained from the College of Business. Admission is not required for business minors, second degree students, and students from other areas of study within the University. Admission to Grand Canyon University does not guarantee acceptance into the College of Business.

### INTERNSHIP GUIDELINES

Internships are recommended for all business majors and are available in Fall and Spring semesters (not in Summer) for any discipline taught in the College of Business. In order to make adequate arrangements for an internship, the student should see the Director of Internships by the middle of the semester before the semester in which the internship is taken.

Guidelines for entry into the Business Internship System:

1. Internships are limited to Juniors and Seniors with a GPA of at least 2.80.
2. No more than two semesters of internships may be taken. The second semester must be on a different project than the first semester.
3. No academic credit will be granted for performing duties in the person's current job. Internships with a student's employer must be for a special internship assignment, not a part of the regular job.
4. In no case will academic credit be granted for work done in the past.
5. At the end of the semester, interns will receive either a grade of Credit ("Cr") or non-credit ("U"). This designation is made by the faculty member coordinating the internship and is based on the evaluation of the intern's supervisor in the organization sponsoring the internship. The supervisor's evaluation is based on the satisfactory completion (or lack thereof) of conditions, duties, projects, etc., outlined in a letter of agreement from the sponsoring organization at the outset of the internship. **Exception:** Human Resource Development interns receive a letter grade based on a specific learning contract.
6. Interns will be expected to complete a minimum of 45 hours of work for each academic credit earned. Normally, internships

are for 3 credit hours (except Human Resource Development interns), but internships for less than 3 hours credit may be arranged.

7. International Business majors contemplating an overseas internship should begin their planning process at least six months before their trip. Arranging these internships is more complex than traditional business internships, and additional time is required.
8. International Business majors whose home country is not the U.S. should select other coursework (with approval of their advisor) to replace the required overseas internship. Often, this coursework will involve additional language or culture courses.

### GRADUATE STUDIES

The Master of Business Administration (MBA) is accredited by the North Central Association of Colleges and Schools. Designed for working professionals who desire to complete their degree without interrupting their professional careers, the program consists of 36 graduate credit hours offered during the evening. Students with the required academic background who complete two courses per semester on a tri-semester basis (three 15-week sessions) will graduate in two years.

### ADMISSION REQUIREMENTS

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

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

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

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

### GRADUATION REQUIREMENTS

Participants must achieve a GPA of 3.00 on a scale of 4.00, with no more than six (6) credit hours of "C" or below.

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

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

### TRANSFER CREDITS

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

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

### COURSE WAIVERS

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

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

Individuals who hold the CPA or CMA certification will automatically receive a waiver for Managerial Accounting (ACC 605).

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

### GENERAL CURRICULUM FOR COLLEGE OF BUSINESS UNDERGRADUATE DEGREES

General Studies Requirements	39-42 hours
Lower Division Business Core	12 hours
Upper Division Business Core	28 hours
Major Concentration	18-35 hours
Electives	11-31 hours
<b>Total</b>	<b>128 hours</b>

### PRESCRIBED GENERAL STUDIES PROGRAM — FOR ALL BUSINESS MAJORS

<b>CHRISTIAN STUDIES (6 hours)</b>		
BIB 101/113	OT Survey/OT History	3 hours
BIB 102/123	NT Survey/NT History	3 hours
<b>ENGLISH (6 hours)</b>		
ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours
<b>HUMANITIES (6 hours)</b>		
SPC 113	Fundamentals of Speech	3 hours
	Art, Music, Theatre elective	3 hours
<b>SOCIAL SCIENCES (9-12 hours)</b>		
* HIS —	History Elective	3 hours
ECN 201	Macroeconomic Principles	3 hours
#	Choice of Political Science, Psychology, Sociology, or Geography	3-6 hours



<b>SCIENCES (10 hours)</b>			
+MAT 121	College Algebra		3 hours
CAM 180	Microcomputer Applications (Selected options)		3 hours
— —	Lab Science (Must be 4 hours)		4 hours

<b>PHYSICAL EDUCATION (2 hours)</b>			
Activity courses			2 hours

Total  39-42 hours

\* HIS 101, HIS 102, HIS 103, or HIS 104  
 # International Business majors must take GEO 121 and POS 323  
 +Business Calculus recommended for graduate study

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

<b>ACCOUNTING</b>			
ACC 211	Financial Accounting		6 hours
ACC 212	Managerial Accounting		
<b>ECONOMICS</b>			
ECN 202	Microeconomics Principles		3 hours
<b>STATISTICS</b>			
BUS 251	Business Statistics		3 hours
Total			12 hours

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

<b>ENVIRONMENTAL, INTEGRATING AND SUPPORTING</b>			
BUS 307	Business Communications or		16 hours
BUS 313	Business/Technical Writing		
* BUS 309	Preparation for Employment		
BUS 310	Business Law I		
BUS 480	Management of Total Enterprise		
BUS 410	International Business or		
FIN 425	International Trade and Finance		
PHI 311	Business Ethics		
<b>FUNCTIONAL AREAS</b>			
FIN 301	Business Finance I		12 hours
MGT 301	Principles of Management		
MKT 301	Principles of Marketing		
MGT 310	Production and Operations Management		
Total			28 hours

\* Not required for Business Education Majors.

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

General Studies for Business	39 hours
Free Electives	25 hours
Lower Division Business Core	12 hours
Upper Division Business Core	28 hours
Accounting Core	24 hours
ACC 321	Intermediate Accounting I

ACC 322	Intermediate Accounting II	
ACC 331	Cost Accounting	
ACC 351	Income Tax Accounting	
ACC 383	Advanced Accounting	
ACC 481	Auditing Theory and Practice	
Select two courses from below:		
BUS 315	Business Law II	
ACC 423	Governmental and Institutional Accounting	
ACC 495	Accounting Theory	

Total Degree Hours  128

**MINOR REQUIREMENTS — BUSINESS\***

Courses that should be taken as part of General Studies program:

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

Required Business Core:

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

Total Hours for Minor  18

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

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

General Studies for Business/Education 48 hours

**CHRISTIAN STUDIES (6 hours)**

BIB 101/113	OT Survey/OT History	3 hours
BIB 102/123	NT Survey/NT History	3 hours

**ENGLISH (6 hours)**

ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours

**HUMANITIES (6 hours)**

COM 123	Dramatic Arts for Teachers	3 hours
	Art, Music, Theatre Elective	3 hours

**SOCIAL SCIENCES (18 hours)**

ECN 201	Macroeconomic Principles	3 hours
HIS 101, 102,		
103, 104	History Electives	6 hours
POS 203	Federal and Arizona Government	3 hours
PSY 101	General Psychology	3 hours
PSY 373	Adolescent Psychology	3 hours

**SCIENCES (10 hours)**

MAT 121	College Algebra	3 hours
CAM 180	Microcomputer Applications	3 hours
	One Lab Science	4 hours

<b>PHYSICAL EDUCATION</b>	
Activity courses	2 hours
<b>Lower Division Business Core</b>	<b>12 hours</b>
<b>Upper Division Business Core</b>	<b>28 hours</b>
<b>Business Education</b>	<b>9 hours</b>
Upper Division Business Electives	
Marketing Elective	
<b>Professional Education</b>	<b>36 hours</b>
EDU 303 Foundations of Education	
EDU 313 Educational Psychology	
EDU 363 Instructional Technology	
EDU 413 Test and Measurements	
EDU 420 Orientation to Student Teaching	
EDU 430 Classroom Management	
SED 442 Secondary Methods	
SED 443 Secondary Curriculum Development	
* SED 452 Learning Strategies for the Secondary School	
* SED 462 Secondary Practicum	
SED 480 Student Teaching: Secondary School	
SPE 323 Orientation to the Exceptional Child	
<b>Total Degree Hours</b>	<b>133</b>

\* 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.

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

<b>General Studies for Business</b>	<b>39 hours</b>
<b>Free Electives</b>	<b>31 hours</b>
<b>Lower Division Business Core</b>	<b>12 hours</b>
<b>Upper Division Business Core</b>	<b>28 hours</b>
<b>Finance Core</b>	<b>12 hours</b>
FIN 303 Investments	
FIN 305 Speculative Markets	
FIN 401 Business Finance II	
FIN 405 Financial Institutions	
<b>Electives from the following:</b>	<b>6 hours</b>
ACC 221 Financial Accounting Systems	
ACC 321 Intermediate Accounting I	
ACC 322 Intermediate Accounting II	
ACC 331 Cost Accounting	
ECN 333 Managerial Economics	
ECN 363 Money and Banking	

FIN 435 Real Estate Investments	_____
<b>Total Degree Hours</b>	<b>128</b>

**DEGREE REQUIREMENTS — HUMAN RESOURCE DEVELOPMENT (B.S. DEGREE; No Minor Required)**

<b>General Studies for Business</b>	<b>39 hours</b>
<b>Free Electives</b>	<b>14 hours</b>
<b>Lower Division Business Core</b>	<b>12 hours</b>
<b>Upper Division Business Core</b>	<b>28 hours</b>
<b>Human Resource Development Core</b>	<b>26 hours</b>
EDU 363 Instructional Technology	
HRD 301 Human Resource Development Principles I	
HRD 302 Human Resource Development Principles II	
HRD 304 Business Conference Leadership	
HRD 411 Human Resource Development Internship I	
HRD 412 Human Resource Development Internship II	
MGT 321 Human Resource Management	
MGT 415 Organizational Behavior	

<b>Electives from the following:</b>	<b>9 hours</b>
MGT 311 Leadership	
PSY 430 Industrial Psychology or	
EDU 313 Educational Psychology	
PSY 443 Counseling and Guidance	
SED 442 Secondary Methods	

<b>Total Degree Hours</b>	<b>128</b>
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**DEGREE REQUIREMENTS — INTERNATIONAL BUSINESS (B.S. DEGREE; No Minor Required)**

<b>General Studies for Business</b>	<b>42 hours</b>
Must include POS 323, GEO 121	
<b>Free Electives</b>	<b>23 hours</b>
<b>Lower Division Business Core</b>	<b>12 hours</b>
<b>Upper Division Business Core</b>	<b>28 hours</b>
<b>International Business Core</b>	<b>23 hours</b>
* BUS 410 International Business or	
* FIN 425 International Trade and Finance	
FIN 305 Speculative Markets	
# — — Overseas Internship or	
Center for International Education	
Program Participation (5 - 6 hours)	
# — — Modern Foreign Language (12 hours minimum)	

<b>Total Degree Hours</b>	<b>128</b>
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\* Either BUS 410 or FIN 425 is required as part of the Upper Division Business Core. Whichever course is not taken as part of the core is required as part of the International Business major.

# Foreign students whose native language is not English are not required to take additional coursework in modern foreign language. In addition, foreign students are not required to complete an overseas internship. These students should substitute appropriate coursework with the approval of their advisor.

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

General Studies for Business	39 hours
Free Electives (Recommended electives: psychology, sociology)	31 hours
Lower Division Business Core	12 hours
Upper Division Business Core	28 hours
Marketing Core	12 hours
MKT 302 Consumer Behavior	
MKT 303 Sales and Sales Management	
MKT 453 Marketing Distribution Management	
MKT 480 Marketing Management	
Electives from the following:	6 hours
MKT 304 Advertising Principles	
MKT 410 Retail Management	
MKT 440 Marketing Research	
<b>Total Degree Hours</b>	<b>128</b>

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

BUS 601 Quantitative Methods in Business	3 hours
MGT 602 Organizational Theory and Behavior	3 hours
BUS 603 Management Information and Support Systems	3 hours
BUS 604 Business Ethics and Society	3 hours
ACC 605 Managerial Accounting	3 hours
MKT 606 Marketing Management	3 hours
ECN 607 Managerial Economics	3 hours
FIN 608 Managerial Finance	3 hours
MGT 609 Management of the Total Enterprise	3 hours
<b>Total Required Hours Business Core</b>	<b>27</b>

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

MGT 623 Organizational Development	3 hours
MGT 624 Entrepreneurship	3 hours
FIN 625 Security Analysis and Portfolio Theory	3 hours
BUS 626 International Business	3 hours
MKT 627 Buyer Behavior	3 hours
BUS 690 Special Topics in Business	3 hours
<b>Total</b>	<b>36</b>

**ACCOUNTING**

<b>ACC 211 Financial Accounting</b>	<b>3 hours</b>
Every semester. An introduction to the fundamental principles and practices of financial accounting, and the construction of financial statements.	

<b>ACC 212 Managerial Accounting</b>	<b>3 hours</b>
Every semester. Continuation of ACC 211. An introduction to the fundamentals of managerial accounting data in the decision-making process. Prerequisite: ACC 211.	

<b>ACC 221 Financial Accounting Systems</b>	<b>2 hours</b>
Every Spring. Application of financial accounting theory to business cases. Emphasis on the accounting cycle with computerized accounting systems. Prerequisite: ACC 211.	

<b>ACC 321 Intermediate Accounting I</b>	<b>3 hours</b>
Every Fall. An in-depth study of accounting objectives, principles, theory and practice as related to assets and related income determination. Prerequisites: ACC 212 and Admission to Advanced Standing in College of Business.	

<b>ACC 322 Intermediate Accounting II</b>	<b>3 hours</b>
Every Spring. Continuation of ACC 321. Emphasis is placed on liabilities and owners equity, special problems in income determination and financial reporting. Prerequisite: ACC 321.	

<b>ACC 331 Cost Accounting</b>	<b>3 hours</b>
Every Spring. Principles of factory and distributive cost accounting, including process, job order, standard cost systems, and budgeting. Prerequisites: ACC 212 and Admission to Advanced Standing in College of Business.	

<b>ACC 351 Income Tax Accounting</b>	<b>3 hours</b>
Every Fall. Fundamentals of federal income taxation of individuals, partnerships, and corporations. Basic research and tax planning methods. Prerequisites: ACC 212 and Admission to Advanced Standing in College of Business.	

<b>ACC 383 Advanced Accounting</b>	<b>3 hours</b>
Every Fall. Accounting theory applicable to partnerships and business combinations, international accounting, and governmental and institutional accounting. Prerequisite: ACC 322.	

<b>ACC 396 Accounting Tutoring</b>	<b>2 hours</b>
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.	

<b>ACC 399 Practicum</b>	<b>1 - 4 hours</b>
On demand. See page 42.	

<b>ACC 411 Accounting Internship I</b>	<b>3 hours</b>
Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisites: ACC 322 and Admission to Advanced Standing in College of Business.	

**ACC 412** **3 hours**  
**Accounting Internship II**

Every Spring. Continuation of **ACC 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisites: **ACC 322** and Admission to Advanced Standing in College of Business.

**ACC 423** **3 hours**  
**Governmental and Institutional Accounting**

On demand. Principles of accounting as applied to public sector entities. Budgetary and reporting considerations as well as financial control systems are investigated. Prerequisite: **ACC 322**.

**ACC 481** **3 hours**  
**Auditing Theory and Practice**

Every Spring. The principles involved in the examination of financial statements by independent accountants including evaluation of internal control, sampling techniques, audit program development and use, and reporting. Professional Code of Ethics and legal considerations are also covered. Prerequisite: **ACC 322**.

**ACC 495** **3 hours**  
**Accounting Theory**

Every Spring. An exploration of financial accounting theory and its role in current accounting practice. Prerequisite: **ACC 383**.

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

On demand. See page 42.

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## **BUSINESS**

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**BUS 251** **3 hours**  
**Business Statistics**

Every semester. A study of business uses of statistical methods in decision making including probability, tests of significance and correlation and regression analysis. Prerequisites: **MAT 120** or equivalent and **CAM 180**.

**BUS 307** **3 hours**  
**Business Communications**

Every semester. Practice in writing effective business letters, memoranda, and reports. Emphasis on effective written communication as it applies to human relations in business; a managerial approach to effective communication. Prerequisites: **ENG 102** and passing the Writing Proficiency Exam.

**BUS 309** **2 hours**  
**Preparation for Employment**

Every semester. Prepares students for job search process (research, interviews, resumes, dress for success, etc.) and to be competitive in the business job market.

**BUS 310** **3 hours**  
**Business Law I**

Every semester. A study of the development of our legal system with a brief study of the nature of crimes, torts, and strict liability. The course also includes contracts, agency and property.

**BUS 313** **3 hours**  
**Business and Technical Writing**

Every semester. A course designed to present the best practices in writing business communications and technical reports. Prerequisites: **ENG 102** and passing the Writing Proficiency Exam.

**BUS 315** **3 hours**  
**Business Law II**

Every Spring. Continuation of **BUS 310**. Included in this course is the study of partnerships, corporations, sales, commercial paper, credit, and government regulations and agencies.

**BUS 396** **2 hours**  
**Business Tutoring**

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

**BUS 399** **1 - 4 hours**  
**Practicum**

On demand. See page 42.

**BUS 400** **1 - 3 hours**  
**Business Education Internship**

On demand. Internship in the High School vocational distributive education program (**DECA**, **HERO**, etc.) and/or involvement in the Junior Achievement Program to be equivalent to 45 contact hours per one credit hour.

**BUS 410** **3 hours**  
**International Business**

Every Spring. Concepts and practices of business in a multinational context. The objectives, strategies, policies, and organizational structures for operating in various international environments. Current issues in the field are discussed in detail. Prerequisites: Admission to Advanced Standing in College of Business.

**BUS 411** **3 hours**  
**Business Internship I**

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisite: Admission to Advanced Standing in College of Business.

**BUS 412** **3 hours**  
**Business Internship II**

Every Spring. Continuation of **BUS 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: Admission to Advanced Standing in College of Business.

**BUS 480** **3 hours**  
**Management of the Total Enterprise**

Every semester. A capstone case course in business. Focuses on identification and analysis of general management problems in order to formulate policy recommendations to meet the needs of a general manager. Open only to senior business students. Prerequisites: **MKT 301**, **MGT 301**, **FIN 301** and instructor's approval.

**BUS 499** 1 - 4 hours  
**Independent Study**  
 On demand. See page 42.

## ECONOMICS

**ECN 201** 3 hours  
**Macroeconomics Principles**

Every semester. A survey of how basic economic concepts, principles, and business practices are viewed from a macroeconomic approach. The course includes an overview of the American economy, national production, employment and income; also included is a study of the monetary and fiscal policy in the United States, the public sector and economic growth. Macroeconomics and Microeconomics may be taken in any order. Prerequisite: MAT 120 or equivalent.

**ECN 202** 3 hours  
**Microeconomics Principles**

Every semester. A microeconomics introduction covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems. Microeconomics and Macroeconomics may be taken in any order. Prerequisite: MAT 120 or equivalent.

**ECN 333** 3 hours  
**Managerial Economics**

On demand. An application-oriented intermediate course in microeconomics dealing with decision-making of business firms, the influence of constraints on business behavior, and business attempts to forecast demand and cost conditions. Also explored are how firms react to specific demand conditions and the influence of competition and market power on decisions. Prerequisites: BUS 251, ECN 202, and MAT 121 or equivalent.

**ECN 363** 3 hours  
**Money and Banking**

On demand. A general survey of commercial banking operations, the Federal Reserve System, the qualities of a good monetary system, the theory of value of money, money and banking history, deposit insurance, and foreign exchange. Prerequisite: ECN 201.

**ECN 383** 3 hours  
**Economic History of the United States**

Fall, 1994, and alternate years. Also **HIS 383**. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: ECN 201, HIS 103, HIS 104.

**ECN 396** 2 hours  
**Economics Tutoring**

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

**ECN 423** 3 hours  
**Comparative Economic Systems**

On demand. 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: ECN 201, ECN 202.

## FINANCE

**FIN 301** 3 hours  
**Business Finance I**

Every semester. A study of the finance function within the modern corporation. Topics covered include financial analysis and planning, the valuation of financial assets, capital budgeting, capital structure, and working capital management. Prerequisite: Admission to Advanced Standing in College of Business.

**FIN 303** 3 hours  
**Investments**

Every Fall. Primary emphasis on stocks and bonds as investments. Portfolio theory, security analysis, valuation, bond immunization, and bond swaps are discussed. Prerequisite: FIN 301.

**FIN 305** 3 hours  
**Speculative Markets**

On demand. A course in the options and futures markets. Characteristics of specific contracts, the workings of the various markets, theories and approaches to valuation, and hedging opportunities are covered. Applications to investments, corporate finance, and the management of financial institutions are emphasized. Prerequisite: FIN 301.

**FIN 396** 2 hours  
**Finance Tutoring**

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

**FIN 399** 1 - 4 hours  
**Practicum**

On demand. See page 42.

**FIN 401** 3 hours  
**Business Finance II**

Every Fall. An advanced course in corporate finance. The case study method is utilized to cover such topics as financial analysis, financial planning, working capital management, leasing, bankruptcy, and mergers. Prerequisite: FIN 301.

**FIN 405** 3 hours  
**Financial Institutions**

Every Spring. Aspects of financial institution management and the 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** **3 hours**  
**Finance Internship I**

Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisite: Admission to Advanced Standing in College of Business.

**FIN 412** **3 hours**  
**Finance Internship II**

Every Spring. Continuation of **FIN 411**. Further experience practicing functional skills under the supervision of a practitioner. Prerequisite: Admission to Advanced Standing in College of Business.

**FIN 425** **3 hours**  
**International Trade and Finance**

Every Fall. A study of international economic policy and multinational finance. Special emphasis is placed upon foreign exchange rate determination, foreign exchange markets, and aspects of direct foreign investment. Prerequisite: FIN 301.

**FIN 435** **3 hours**  
**Real Estate Investment**

On demand. A study of real estate valuation and the characteristics of real property as an investment. Prerequisite: FIN 301.

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

On demand. See page 42.

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## HUMAN RESOURCE DEVELOPMENT

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**HRD 301** **3 hours**  
**Human Resource Development Principles I**

Every Fall. Provides initial exposure in some depth to specific areas of specialization, methods and techniques used by human resource development professionals in business, industry, government agencies, and institutions of varied size. Prerequisite: Admission to Advanced Standing in College of Business.

**HRD 302** **3 hours**  
**Human Resource Development Principles II**

Every Spring. Continuation of **HRD 301**. Giving the student a base of knowledge upon which to build a career in human resource development or to understand the role of training as a tool of management. Prerequisite: HRD 301.

**HRD 304** **3 hours**  
**Business Conference Leadership**

Every Spring. Teaches the competencies of leading a business conference and discussion groups, primarily as a learning device or for problem-solving. Prerequisites: SPC 113 and Admission to Advanced Standing in College of Business.

**HRD 396** **2 hours**  
**Human Resource Development Tutoring**

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

**HRD 399** **1 - 4 hours**  
**Practicum**

On demand. See page 42.

**HRD 411** **4 hours**  
**Human Resource Development Internship I**

Every Fall. The student will be given an opportunity to practice the principles learned in HRD Principles I and II by spending at least 8 hours a week in a department of human resource development. Prerequisites: EDU 363, HRD 302 and Admission to Advanced Standing in College of Business.

**HRD 412** **4 hours**  
**Human Resource Development Internship II**

Every Spring. The student will have further opportunity to work under the supervision of a human resource development officer in an industrial company, a business, a hospital, or a governmental agency, depending upon one's special interest. Prerequisites: EDU 363, HRD 302 and Admission to Advanced Standing in College of Business.

**HRD 499** **1 - 4 hours**  
**Independent study**

On demand. See page 42.

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## MANAGEMENT

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**MGT 301** **3 hours**  
**Principles of Management**

Every semester. An introductory course which deals with management in general and the basic management process and functions in particular, focusing on real-world management situations concerned with planning and getting out routine work. Prerequisite: Admission to Advanced Standing in College of Business.

**MGT 310** **3 hours**  
**Production and Operations Management**

Every semester. This course examines production management from a framework of four critical variables: time period, resources managed, major areas within the firm that are affected, and the basic management functions involved. Production management is examined from a planning/execution perspective, to emphasize time and resource allocation as key variables within the process. Prerequisite: Admission to Advanced Standing in College of Business.

**MGT 311** **3 hours**  
**Leadership**

Fall, 1993, and alternate years. An exploration into leadership in all areas of human conduct from the home and family to government/politics, and organizations in both the private and public sector. Recommended for any student who may want to assume a leadership position now or in the future. Prerequisite: MGT 301.

**MGT 321** **3 hours**  
**Human Resource Management**

Every Spring. Analysis of the personnel policies of business enterprises. Areas of study include selection, placement, training, promotion, morale, employee services, and organization and functions of a personnel department. Prerequisite: MGT 301.

**MGT 415** **3 hours**  
**Organizational Behavior**  
 Every Spring. A study of the interpersonal relations between individuals and groups in an organizational setting. The problems that arise out of these relations are analyzed and evaluated using the case method approach. Prerequisite: MGT 301.

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## MARKETING

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**MKT 301** **3 hours**  
**Principles of Marketing**  
 Every semester. Understanding of the marketing processes as they relate to marketing decisions, selection of market targets, product strategies, distribution channels, pricing, marketing research, advertising, interaction of marketing and society. Prerequisite: Admission to Advanced Standing in College of Business.

**MKT 302** **3 hours**  
**Consumer Behavior**  
 Every Fall. A study of consumer buying decision processes, together with the important intrapersonal, interpersonal, and marketing organizational influences on those decision processes. Prerequisite: MKT 301.

**MKT 303** **3 hours**  
**Sales and Sales Management**  
 Every Spring. An introduction to selling, including sales organization, planning and salesmanship. Prerequisite: MKT 301.

**MKT 304** **3 hours**  
**Advertising Principles**  
 Every Spring. A study of advertising methods, media and strategy. Prerequisite: MKT 301.

**MKT 396** **2 hours**  
**Marketing Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

**MKT 399** **1 - 4 hours**  
**Practicum**  
 On demand. See page 42.

**MKT 410** **3 hours**  
**Retail Management**  
 Every Fall. A study of retail operations, planning, merchandising, promotion and control. Prerequisite: MKT 301.

**MKT 411** **3 hours**  
**Marketing Internship I**  
 Every Fall. An opportunity for students to practice principles learned in their functional area by working at least 8 hours per week in an outside organization under the supervision of a practitioner. Prerequisite: Admission to Advanced Standing in College of Business.

**MKT 412** **3 hours**  
**Marketing Internship II**  
 Every Spring. Continuation of **MKT 411**. Further experience practicing under the supervision of a practitioner. Prerequisite: Admission to Advanced Standing in the College of Business.

**MKT 440** **3 hours**  
**Marketing Research**  
 Every Fall. A study of research design, survey making, sampling and questionnaire design. Prerequisites: MKT 301 and Admission to Advanced Standing in College of Business.

**MKT 453** **3 hours**  
**Marketing Distribution Management**  
 Every Spring. A study of marketing logistics and the distribution function in an overall marketing program. Prerequisite: MKT 301.

**MKT 480** **3 hours**  
**Marketing Management**  
 Every Spring. A study of marketing objectives and policies that require executive decisions, marketing activities that relate to other policy areas. Prerequisite: MKT 301.

**MKT 499** **1 - 4 hours**  
**Independent Study**  
 On demand. See page 42.

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## GRADUATE COURSES

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*See the Director of the MBA Program for the anticipated schedule of MBA course offerings for upcoming semesters.*

**BUS 601** **3 hours**  
**Quantitative Methods in Business**  
 On demand. Statistical methods used in decision making. Emphasis on multiple regression and analysis of variance. The computer is used extensively in data analysis. Prerequisite: BUS 251 or its equivalent and Graduate Standing.

**MGT 602** **3 hours**  
**Organizational Theory and Behavior**  
 On demand. Concepts and applications of behavior in organizations. includes a study of motivation, organizational climate, group dynamics, leadership, and decision-making. Prerequisites: MGT 301 or its equivalent and Graduate Standing.

**BUS 603** **3 hours**  
**Management Information and Support Systems**  
 On demand. A study of general systems theory and applications toward management information systems and decision support systems. Emphasis on problem solving techniques and analysis. Prerequisite: Graduate Standing.

**BUS 604** **3 hours**  
**Business Ethics and Society**  
 On demand. This course explores the role of ethics in the organization. An emphasis is placed on the way ethics affects policy formation and professional conduct in business and society. Prerequisite: Graduate Standing.

**ACC 605** **3 hours**  
**Managerial Accounting**

On demand. Concepts of accounting useful in management decision making are studied. Topics emphasized include procedures for internal reporting of results, cost estimation, profit planning, cost allocation, and budgeting. Prerequisites: ACC 212 or its equivalent and Graduate Standing.

**MKT 606** **3 hours**  
**Marketing Management**

On demand. The management of the marketing function in business and non-profit enterprises. Topics emphasized include market environmental analysis and marketing planning, strategy, and control. Development and management of marketing programs is explored through the case method. Prerequisites: MKT 301 or its equivalent and Graduate Standing.

**ECO 607** **3 hours**  
**Managerial Economics**

On demand. The application of microeconomic principles and techniques of analysis to management decision-making. Areas emphasized include demand analysis, production planning, cost analysis, and product pricing. Optimization techniques are used extensively. Prerequisites: ECO 202, MAT 210, BUS 251 or their equivalents, and Graduate Standing.

**FIN 608** **3 hours**  
**Managerial Finance**

On demand. A study of the finance function within the modern corporation. An emphasis is placed on the workings of capital markets and management actions that impact the determination of security values within capital markets. Topics discussed include financial analysis, working capital management, capital budgeting, and capital structure. The case method is used extensively. Prerequisites: FIN 301 or its equivalent and Graduate Standing.

**MGT 609** **3 hours**  
**Management of the Total Enterprise**

On demand. Formulation of strategy and policy within the organization, emphasizing the integration of decisions within the various functional areas, ethical considerations of organizational policy, and international aspects of corporate strategy. Extensive use is made of the case method. Prerequisites: MKT 602, MKT 606 and FIN 608.

**BUS 621** **1 hour**  
**Graduate Seminar**

Every semester. A series of one credit hour seminars consisting of individual research projects which transcend typical functional areas of business. Prerequisite: Graduate Standing.

**MGT 623** **3 hours**  
**Organizational Development**

On demand. Explores the behavioral forces and relationships that influence organizational effectiveness and change. Includes the study of intervention strategy and application skills. Prerequisites: MGT 301 or its equivalent and Graduate Standing.

**BUS 624** **3 hours**  
**Entrepreneurship**

On demand. Opportunities, risks, and problems associated with business development and operation. Includes both the design of new ventures and the management of business growth and development. Both domestic and international opportunities are discussed. Prerequisite: Graduate Standing.

**FIN 625** **3 hours**  
**Security Analysis and Portfolio Theory**

On demand. An examination of the risks and potential rewards of stocks, bonds, options, and futures. Portfolio theory is emphasized. Prerequisites: FIN 301 or its equivalent and Graduate Standing.

**BUS 626** **3 hours**  
**International Business**

On demand. Emphasis on the cultural, social, economic, and political factors important to the management of international business. Understanding currency exchange risks, the determination of market potential, assessing host country controls on businesses, market incentives, and political risk are all discussed. Prerequisite: Graduate Standing.

**MKT 627** **3 hours**  
**Buyer Behavior**

On demand. An examination of the psychological, social, cultural, and economic influences on both industrial and consumer buying decision processes. Prerequisites: MKT 301 or its equivalent and Graduate Standing.

**BUS 690** **3 hours**  
**Special Topics in Business**

On demand. Special areas of business not covered elsewhere in the graduate curriculum are studied. Topics may vary from semester to semester. May be repeated for credit. Prerequisite: Graduate Standing.



# College of Communications and Fine Arts



College Description

Departments

Art

Communications/Speech

Music

Theatre/Drama

*College of Communications  
and Fine Arts*

## COLLEGE DESCRIPTION

Grand Canyon University offers the rare opportunity to pursue the study of Communications and the Arts within a Christian comprehensive university.

The College of Communications and Fine Arts makes available to students the following degree programs, as well as a variety of electives:

Applied Music (Music Performance)	B.A.
Art Education (Certification is required)	B.A.
Church Music	B.M.
Communications	B.A.
Communications/Commercial Music	B.A.
Graphic Design	B.A.
Music Education (Certification is required)	B.S.
Piano Performance	B.M.
Speech Teaching (Certification is required)	B.S.
Speech/Theatre	B.A.
Studio Art	B.A.
Theatre/Drama	B.A.
Vocal Performance	B.M.

The following minors are also offered:

Music  
Music Education  
Speech  
Studio Art  
Theatre

The College is dedicated to developing the talent of each student through excellence in the classroom and all performing and fine arts areas. Students from the entire University join with music majors and minors in performing choirs, wind ensembles, jazz band, chamber ensembles, chamber orchestra, handbells, guitar ensemble, opera and a musical theatre production each year.

The Artists-in-Residence program combined with our full-time and adjunct faculty provide quality teaching throughout the entire College.

The College of Communications and Fine Arts is a candidate for accreditation in the National Association of Schools of Music and is currently following the guidelines set forth by NASM.

Recitals, concerts and exhibits by regular performing groups, faculty and Artists-in-Residence provide the University community and the Phoenix area with opportunities to experience some of the finest art and music being performed today.

Art, Music, Theatre and Speech scholarships are available by audition and/or portfolio review.

Specific policies and procedures for music majors and minors are listed in the Music Student Handbook which is available in the University Bookstore. Majors and minors are responsible for meeting these requirements.

The College of Communications and Fine Arts endeavors to give its theatre and speech students a complete education. To that end, the Theatre and Speech majors and minors as well as the Theatre and Drama majors and minors have been developed to allow the

student a balance between academics and practical application of academics through performance.

Communications majors and Communications/Commercial Music majors are offered a unique interdisciplinary field of study.

## Department of Art



Department Description

Degree Requirements

Art Education

Graphic Design

Studio Art

Course Descriptions

### DEPARTMENT DESCRIPTION

The Art Department believes that the education of an artist is best accomplished when there is an emphasis on the development of visual capacity together with the full realization of intellectual and spiritual growth. A Bachelor of Arts degree in Studio Art with six different areas of specialization, is offered. Studio Art will enable the student to pursue a career as a professional artist or to pursue graduate study in a variety of related fields. The Graphic Design program offers one-on-one instruction, simulation of field-related projects, and the development of a professional portfolio. The Art Education major prepares the student with the knowledge and skills to teach art in the elementary or secondary classroom.

A high percentage of faculty are exhibiting, professional artists. They are able to convey their unique perspective and encourage involvement in the local art community. Courses are designed to involve the student in active participation and to develop artistic skills in critical apprecia-

tion, historical understanding, the forming of art objects, and the teaching of art. Lower division courses are open to all students with no prerequisites.

Scholarships are available through portfolio review.

A. P. Tell Gallery Series features international works, national and local arts, as well as student exhibitions.

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

General Studies For Teacher Education Programs (pg. 100)

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

Secondary Certification Required

**Art Education Major**

ARE 323	Art Media and Methods for the Elementary Teacher	3 hours
ARE 423	Art in the Secondary School	3 hours
ARH 333	Art History I	3 hours
ARH 343	Art History II	3 hours
ARH —	Art History Elective	3 hours
ART 111	Drawing I	3 hours
ART 223	Painting I	3 hours
ART 252	Printmaking I	3 hours
ART 263	Ceramics I	3 hours
+ ART —	Studio Art Electives	6 hours
ART 481	Studio Problems and Techniques	4 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 115	Three-Dimensional Design	3 hours
DGN 213	Basic Studio Techniques	3 hours

Total Major Hours

48  
49

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

+ Three (3) hours must be upper division credit

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

General Studies (pg. 51)

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

**Graphic Design Major**

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

Total Major Hours

60

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

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

Entrance into the Studio Art major will require successful completion of ART 111 Drawing I, DGN 112 Two-Dimensional Design, DGN 115 Three-Dimensional Design, and three hours in a selected studio art area. A 3.00 grade point average must be achieved in the above courses. An art faculty review will determine whether the student is suited to this type of educational pursuit.

General Studies (pg. 51)

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

**Studio Art Major**

ARH 333	Art History I	3 hours
ARH 343	Art History II	3 hours
ARH —	Art History Elective	3 hours
ARH 470	Aesthetics	3 hours
ART 111	Drawing I	3 hours
ART 201	Photography I	3 hours
ART 223	Painting I	3 hours
ART 231	Sculpture I	3 hours
ART 252	Printmaking I	3 hours
ART 263	Ceramics I	3 hours
ART —	Upper Division Studio Art Electives	6 hours
ART 401	Art Seminar	3 hours
ART 431	Portfolio Preparation	3 hours
* ART 481	Studio Problems and Techniques	12 hours
DGN 112	Two-Dimensional Design	3 hours
DGN 115	Three-Dimensional Design	3 hours
DGN 213	Basic Studio Techniques	3 hours

Total Major Hours

63

\* Hours must be in no more than two medias.

**MINOR REQUIREMENTS — \* STUDIO ART**

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

Total Minor Hours

18

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

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

## ART EDUCATION

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

Every Spring. Introduction to the language and structure of art education with an emphasis on practical hands-on experiences suitable for children at various elementary levels. Includes specific knowledge of two- and three-dimensional processes, classroom observation and actual teaching experience. Attention is also given to the study of the art work of children of all ages from early childhood to mid-adolescence.

**ARE 423** **3 hours**  
**Art in the Secondary School**

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

## ART HISTORY

**ARH 100** **3 hours**  
**Art Appreciation**

Every semester. Special emphasis on the meaning of art as it relates to personal interests of each individual. The understanding of art will be pursued by examining its history and by personal observation through field trips, slides and videos. No credit for art major or minor.

**ARH 333** **3 hours**  
**Art History I**

Fall, 1994, and alternate years. A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art up to the Renaissance.

**ARH 343** **3 hours**  
**Art History II**

Spring 1995, and alternate years. A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-Classical, Romantic and Modern epochs.

**ARH 385** **3 hours**  
**History of Photography**

Spring, 1994, and alternate years. A survey of the history of photography from 1839 to the present.

**ARH 396** **2 hours**  
**Art History Tutoring**

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

**ARH 439** **3 hours**  
**Contemporary Art**

Spring, 1994, and alternate years. Recent and current trends in art with special consideration of new concepts and experimentation with media and modes of presentation.

**ARH 442** **3 hours**  
**American Art**

Fall, 1993, and alternate years. History of art in the United States from European settlement of the New World to today.

**ARH 470** **3 hours**  
**Aesthetics**

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

## ART STUDIO

**ART 111** **3 hours**  
**Drawing I**

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

**ART 201** **3 hours**  
**Photography I**

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

**ART 211** **3 hours**  
**Drawing II**

Every Spring. Exploration of recording ideas and concepts through the use of a variety of wet and dry media, color pencils, chalks, and washes, as well as mixed medias. Prerequisite: ART 111 or instructor's approval.

**ART 223** **3 hours**  
**Painting I**

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

**ART 231** **3 hours**  
**Sculpture I**

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

**ART 252** **3 hours**  
**Printmaking I**

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

**ART 263** **Ceramics I** **3 hours**

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

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

On demand. An introduction to the basic jewelry processes of working with metal and silversmithing techniques, lost-wax casting, ceramic jewelry, fused glass, mixed media, polyforms and plastics.

**ART 301** **Photography II** **3 hours**

Every semester. A course designed to expand the student's knowledge and use of materials and techniques available as tools for creative expression in black-and-white photography. Prerequisite: ART 201.

**ART 323** **Painting II** **3 hours**

Every semester. Technique of underpainting, glazing, impasto, direct easel wets, and emphasis on color thinning and experimentation. Prerequisite: ART 223 or instructor's approval.

**ART 331** **Sculpture II** **3 hours**

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

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

On demand. Designed to offer the student the opportunity to experience the use of a special process or medium in a workshop setting. May be repeated for credit under different medium titles.

**ART 352** **Printmaking II** **3 hours**

Every Spring. In-depth exploration of printmaking processes with emphasis on developing awareness in contemporary application. Photographic processes will be examined. Prerequisite: ART 252.

**ART 363** **Ceramics II** **3 hours**

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

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

On demand. A continuation of the techniques of jewelry-making with advanced problems in fabrication and casting. Emphasis will be on creative design and developing an awareness of contemporary trends.

**ART 396** **Art Studio Tutoring** **2 hours**

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

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

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

**ART 431** **Portfolio Preparation** **3 hours**

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

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

By arrangement. Advanced studio problems in the medium of the student's choice. May be repeated. Prerequisite: Instructor's approval and six hours of coursework in the desired media.

**DESIGN STUDIO**

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

Every Fall. Basic principles of the structural aspects of graphic arts are explored in laboratory and lecture. Also examines the communicative value of visual images.

**DGN 115** **Three-Dimensional Design** **3 hours**

Every Spring. Explores basic principles of the structural aspects of plastic arts, with emphasis on the analysis of volume and space relationships.

**DGN 213** **Basic Studio Techniques** **3 hours**

Every Fall. An introduction to shop techniques and how they relate to the various fields of art. Emphasis will be in construction of specific projects relating to other department courses and on the operation of shop equipment.

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

Every semester. An introduction to basic guidelines and principles for developing successful advertising designs will be explored through studio work and lecture. No drawing experience is necessary.

**DGN 233** **Graphic Design I** **3 hours**

Every Fall. An introduction to the visual organization of advertising elements and instruction in the use of equipment and tools of the professional designer. Prerequisite: ART 111.

**DGN 263** **Computer Graphics I** **3 hours**

Every semester. Computer image creation, transformation, and manipulation. Use microcomputer-based graphics systems for product design and documentation. Prerequisite: DGN 112 or DGN 223.

*ART NK skip*  
**DGN 273** **3 hours**  
**Illustration I**  
On demand. Basic principles and styles of drawing and their commercial application are explored through studio work and lecture. Prerequisite: ART 111.

*Graphic III*

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

**DGN 363** **3 hours**  
**Computer Graphics II**  
Every Spring. Using computer-aided design and documentation software for advanced geometric construction. Prerequisite: DGN 263.

*ART NK skip*

**DGN 373** **3 hours**  
**Illustration II**  
On demand. Advanced principles and styles of drawing and their commercial application are explored through studio work and lecture. Prerequisite: DGN 273.

**DGN 396** **2 hours**  
**Design Studio Tutoring**  
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

**DGN 481** **1 - 4 hours**  
**Design Problems and Techniques**  
By arrangement. This course is designed to simulate the types of responsibilities within the job situation. The experience will enable the student to build and strengthen his/her portfolio for use in future job placement.

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Art

# Department of Communications and Speech

Department Description

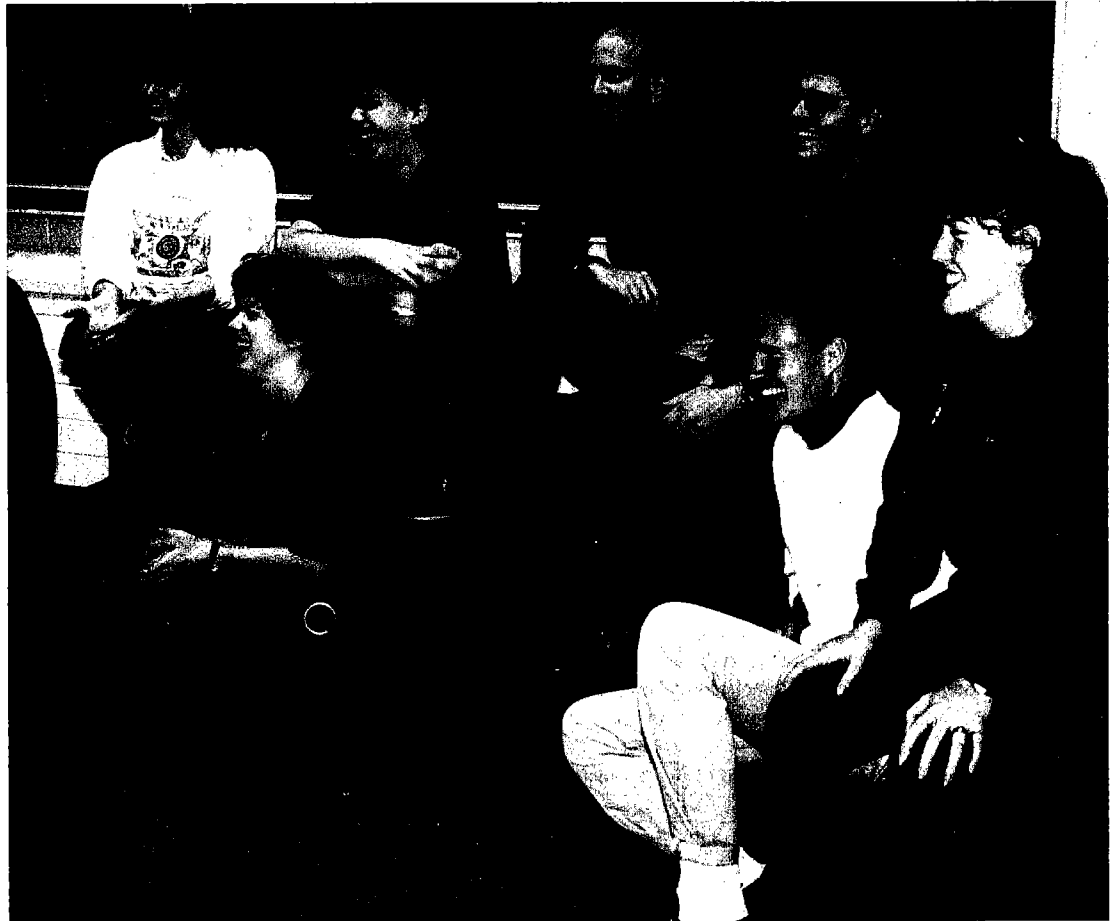
Degree Requirements

Communications

Communications/  
Commercial Music

Speech Teaching

Course Descriptions



## DEPARTMENT DESCRIPTION

The Communications and Speech Department seeks to enable students to communicate effectively, think critically, and develop skills in a variety of disciplines. Courses are designed to provide students with skills in the areas of Art, Business, Education, English, Journalism, Music, and Speech. This experience will provide students with the preparation for professional work in the fields of Communications, Commercial Music, and Speech Teaching.

The Department of Communications and Speech also supports a competitive speech team that offers several performance opportunities.

## PERFORMANCE ENSEMBLES

Canyon Tales, comprised of prospective teachers, performs a variety of literature in both public and private schools.

Word Power, Inc. is dedicated to sharing and spreading Christ's love through dramatic presentations and creative worship.

Performance and participation scholarships are available by audition.

## PUBLICATION LABS

*Canyon Echoes*, newspaper.

*Canyon Trails*, yearbook.

Both publications are staffed and edited by students under faculty leadership.



## COMMUNICATIONS

The Communications major offers a unique interdisciplinary field of study. Course work comes from the areas of Art, Business, Education, English, Journalism, Philosophy and Speech. The degree is broadly based in order to provide a wide variety of experiences. An area of emphasis is provided to prepare the student for professional work in the field of broadcasting, journalism, photojournalism, and public relations. Students should be advised that some employment opportunities will require a master's degree.

In order to become a candidate for the Communications degree the student must satisfy the following requirements:

1. Completion of 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 GPA on work attempted at Grand Canyon University.
2. Completion of the lower division courses in the Communications major.
3. Pass the Writing Proficiency Examination.
4. Completion of the General Studies English requirements.
5. Application to the Communications Standards Committee. The application procedure requires a completed application form, three references and an interview with the committee.

Admission to Grand Canyon University does not guarantee acceptance into the Communications program.

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

General Studies (pg. 51)

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

#### Additional Emphasis Hours Required

##### Communications Major Core

ART 201	Photography I	3 hours
CAM 180	Microcomputer Applications	3 hours
DGN 223	Advertising Design	3 hours
DGN 263	Computer Graphics I	3 hours
EDU 463	Presentational Technology	3 hours
ENG 301	Advanced Composition	3 hours
ENG 313	Business and Technical Writing	3 hours
JRN 200	News Writing and Reporting	3 hours
JRN 201	Publications I - Yearbook	3 hours
JRN 314	Small Newspaper I	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 398	Communications and the Media	3 hours

Total Core Hours

239

## Additional Emphasis Requirements (Select One)

### 1. Journalism Emphasis

COM 411	Journalism Internship	3 hours
COM 412	Journalism Internship	3 hours
ENG 314	Advanced Grammar	3 hours
ENG 401	Seminar in Writing (Journalism)	3 hours
JRN 300	Advanced News Writing and Reporting	3 hours
JRN 414	Small Newspaper II (2 semesters)	6 hours

Total Emphasis Hours 21

### 2. Photojournalism Emphasis

ART 301	Photography II	3 hours
ART 481	Studio Problems and Techniques (Photojournalism and Photo Interpretation)	6 hours
COM 413	Photojournalism Internship	3 hours
COM 414	Photojournalism Internship	3 hours
<del>DGN 112</del>	<del>Two Dimensional Design</del>	<del>3 hours</del>
JRN 414	Small Newspaper II (Photographer)	3 hours

Total Emphasis Hours 21

### 3. Public Relations Emphasis

COM 310	Principles of Public Relations	3 hours
COM 415	Public Relations Internship	3 hours
COM 416	Public Relations Internship	3 hours
JRN 300	Advanced News Writing and Reporting	3 hours
MKT 301	Principles of Marketing	3 hours
MKT 304	Advertising Principles	3 hours
SPC 292	Group Discussion	3 hours
SPC 311	Advanced Public Speaking	3 hours

Total Emphasis Hours 24

### 4. Broadcasting Emphasis

COM 301	Broadcasting	3 hours
COM 417	Broadcasting Internship	3 hours
COM 418	Broadcasting Internship	3 hours
SPC 292	Group Discussion	3 hours
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours

Total Emphasis Hours 21

### DEGREE REQUIREMENTS — \* COMMUNICATIONS/COMMERCIAL MUSIC (B.A. DEGREE; No Minor Required)

General Studies (pg. 51)

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

##### Communications/Commercial Music Major

##### \*\* Communications Core

ART 201	Photography I	3 hours
CSC 180	Microcomputer Applications	3 hours

DGN 223	Advertising Design	3 hours
EDU 363	Instructional Technology	3 hours
ENG 301	Advanced Composition	3 hours
ENG 313	Business and Technical Writing	3 hours
JRN 200	News Writing and Reporting	3 hours
JRN 314	Small Newspaper I	3 hours
PHI 311	Business Ethics	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 398	Communications and the Media	3 hours

**Total Communications Core Hours 33**

**Commercial Music**

MAP —	Applied Instrument	7 hours
	(14 hours recommended, 7 hours audit)	
<i>Cmn</i> MEN —	Ensemble Section (One per semester)	8 hours
MUS 191	Elementary Music Theory I	4 hours
MUS 192	Elementary Music Theory II	4 hours
MUS 220	Modern Rhythms and Styles I ✓	2 hours
MUS 221	Jazz/Commercial Music Harmony ✓	2 hours
MUS 315	Basic Modern Arranging I ✓	2 hours
MUS 316	Basic Modern Arranging II ✓	2 hours
MUS 317	Jazz/Commercial Music Conducting ✓ and Rehearsal Techniques	2 hours
MUS 320	Jazz Improvisation ✓	1 hour
<i>LD</i> <del>MUS 320</del> <i>LD</i> <del>MUS 320</del>	<del>Commercial Music</del> <i>SEMESTER BUS. NEW</i>	3 hours
MUS 412	Advanced Arranging I ✓	2 hours
MUS 413	Advanced Arranging II ✓	2 hours
MUS 415	Recording Studio Producing ✓	2 hours
MUS 491	Career Plan and Portfolio ✓	2 hours
MUS 009	Recital Attendance (8 semesters)	0 hours

**Total Commercial Music Core Hours 45**

- \* Admission to the Communications Degree Program is required.
- \*\* Course descriptions for communications courses can be found under the areas of Art, Business, Education, English, Journalism, Music, Philosophy and Speech.

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

General Studies for Teacher Education Programs (pg 100)

Minor Required

Secondary Certification Required

**Speech Teaching Major**

**Core Courses**

COM 123	Dramatic Arts for Teachers	3 hours
COM 305	Parliamentary Procedure	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 200	Speech Participation	1 hour
SPC 292	Group Discussion	3 hours
SPC 300	Speech Participation	1 hour
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours

**Advanced Studies**

SPC 399	Practicum	6 hours
SPC 420	Reader's Theatre Workshop	3 hours

**Total Speech Teaching Hours**

35

**MINOR REQUIREMENTS — SPEECH**

SPC 113	Fundamentals of Speech ✓	3 hours
SPC 200, 300	Speech Participation	1 hour
SPC 292	Group Discussion	3 hours
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours

**Total Minor Hours**

19

**COMMUNICATIONS**

**COM 123 Dramatic Arts for Teachers 3 hours**

Every semester. Designed to acquaint prospective teachers with the importance of performance in the classroom. Emphasis is placed on teacher improvisation, performance and individual style. Students will participate in group presentations, role playing, simulation and individual performance. Required for education majors.

**COM 301 Broadcasting 3 hours**

On demand. An overview of broadcasting for radio/television. Theory and practice to include: speaking, audio production, video production, lighting, and programming.

**COM 305 Parliamentary Procedure 3 hours**

Every Summer. An in-depth study of Parliamentary Procedure both in theory and practice. Research in the history of Parliamentary Law is included. Prerequisite: SPC 113 or SPC 292 or instructor's approval.

**COM 310 Principles of Public Relations 3 hours**

*Fall 94* → On demand. An overview of theory and practice of public relations: media relations, promotion, research and campaigns. An application of theory through problem-solving and case study.

**COM 399 Practicum 1 - 4 hours**

On demand. See page 42.

**COM 411 Journalism Internship I 3 hours**

Every Fall. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of lower division communications core and instructor's approval.

**COM 412** *2-111* **Journalism Internship II** **3 hours**

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

**COM 413** **Photojournalism Internship I** **3 hours**

Every Fall. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of lower division communications core and instructor's approval.

**COM 414** **Photojournalism Internship II** **3 hours**

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

**COM 415** **Public Relations Internship I** **3 hours**

Every Fall. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of lower division communications core and instructor's approval.

**COM 416** **Public Relations Internship II** **3 hours**

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

**COM 417** **Broadcasting Internship I** **3 hours**

Every Fall. An opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. Prerequisites: Senior status, completion of lower division communications core and instructor's approval.

**COM 418** **Broadcasting Internship II** **3 hours**

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

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

On demand. See page 42.

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## SPEECH

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**SPC 113** **Fundamentals of Speech** **3 hours**

Every semester. A basic course which emphasizes voice, diction, and basic principles of oral communication. It is normally a prerequisite to all other courses in speech and communications.

**SPC 200** **Speech Participation** **1 hour**

Every semester. As a hands-on participation course, students may choose the area of speech in which they are most interested and work in that area. Students should select from either assisting the organization and running of speech tournaments, judging in speech contests or related fields. Prerequisite: Instructor's approval.

**SPC 292** **Group Discussion** **3 hours**

Spring, 1993, and alternate years. The study of the communication process as it relates to the theory and techniques of group discussion. Participation in discussion groups. Prerequisite: SPC 113 or instructor's approval.

**SPC 300** **Speech Participation** **1 hour**

Every semester. Same as **SPC 200**.

**SPC 301** **Ensemble Performance (Word Power, Inc.)** **1 hour**

Every semester. Select auditioned ensemble. Provides opportunity for a wide variety of performance experiences: church, community, and competition. Prerequisite: Audition and Instructor's approval.

**SPC 311** **Advanced Public Speaking** **3 hours**

Every Fall. An intense study of the techniques and practice of public speaking. Emphasis is on the development of skills necessary to perform informative, persuasive, and entertaining speeches before audiences. Prerequisite: SPC 113 or instructor's approval.

**SPC 318** **Voice and Diction** **3 hours**

Every Fall. A basic study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation.

**SPC 378** **Oral Interpretation of Literature** **3 hours**

Every Spring. A study of the methods and techniques of interpretative oral reading of varied types of literature.

**SPC 396** **Speech Tutoring** **2 hours**

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

**SPC 398** **Communications and the Media** **3 hours**

Every Spring. A study of communication techniques for mass media, with emphasis on oral communications. Advertising, news reporting, programming, and children's television will be explored. Prerequisite: Junior or Senior status or instructor's approval.

**SPC 399** **Practicum** **1 - 4 hours**

On demand. See page 42.

**SPC 420** **3 hours**  
**Reader's Theatre Workshop**  
Every Summer. Designed to give students opportunities for organization, production, and performance of Reader's Theatre. A variety of literature will be explored. Audiences will vary. Prerequisite: COM 123 or SPC 378 or Instructor's approval.

**SPC 499** **1 - 4 hours**  
**Independent Study**  
On demand. See page 42.

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## JOURNALISM

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**JRN 200** **3 hours**  
**News Writing and Reporting**  
Every semester. A course designed for students wishing to learn the basic skills of news writing and reporting.

**JRN 201** **3 hours**  
**Publications I - Yearbook**  
Every semester. A course designed to give the student basic skills and practical experience in the processes which lead to the production and distribution of a student publication. Laboratory experience provided through various publications such as the University student yearbook, *Canyon Trails*.

**JRN 300** **3 hours**  
**Advanced News Writing and Reporting**  
Every semester. A course designed for students who have completed JRN 200 or its equivalent. Students will have the opportunity to expand their news writing and reporting skills and to learn the basics of editing and layout. Prerequisite: JRN 200 or instructor's approval.

**JRN 301** **3 hours**  
**Publications II - Yearbook**  
Every semester. Continuation of **JRN 201**. May be repeated for a maximum of 6 hours of credit. Prerequisite: JRN 201 or instructor's approval.

**JRN 314** **3 hours**  
**Small Newspaper I**  
Every semester. A course that presents the principles of journalism as they apply to the small newspaper. Laboratory experience provided by the University newspaper. (3 hours maximum.) Prerequisite: JRN 200.

**JRN 399** **1 - 4 hours**  
**Practicum**  
On demand. See page 42.

**JRN 414** **3 hours**  
**Small Newspaper II**  
Every semester. Continuation of **JRN 314**. May be repeated for a maximum of 6 hours of credit. Prerequisites: JRN 200 and instructor's approval.

**JRN 499** **1 - 4 hours**  
**Independent Study**  
On demand. See page 42.

# Department of Music



- Department Description
- Degree Requirements
  - Applied Music (Music Performance)
  - Church Music
  - Music Education
  - Piano Performance
  - Vocal Performance
- Course Descriptions

## DEPARTMENT DESCRIPTION

The Music Department offers various areas of study for the student desiring to pursue music as a profession; provides classes, ensembles, and private music instruction for students majoring in other fields; and contributes to the cultural environment of the University community. Students may choose programs leading to the Bachelor of Music, Bachelor of Arts, and Bachelor of Science degrees.

The Department is dedicated to developing the musicianship of each student through excellence in the classroom and all performing areas. Students from <sup>across the</sup> the entire University join with music majors and minors in performing in ~~choirs~~ <sup>choirs,</sup> wind ensemble, jazz band, chamber ensembles, chamber orchestra, handbells, guitar ensembles, with opera and musical productions each year.

Recitals and concerts by student 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.

Specific policies and procedures for music majors and minors are listed in the Music Student Handbook which is available in the University Bookstore. Majors and minors are responsible to meeting these requirements.

Scholarships are available by audition.

*a variety of ensembles, opera and musical productions,*

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

**General Studies (pg. 51)**

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

**Additional Emphasis Hours Required**

**Minor Required**

**Music Core Hours**

MAP —	Major Applied Instrument or Voice	8 hours
MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
*MEN —	Major Ensemble (one per semester)	8 hours
MUS 009	Recital Attendance (8 semesters)	0 hours
MUS 191, 192, 291, 292	Theory	16 hours
MUS 371, 372	Music History I, II	6 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hours
**	Piano Proficiency	0 hours

**Total Music Core Hours 47**

\* ALL music majors must complete eight (8) semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the eight (8) may be taken for credit or audit.

\*\* The College of Communications and Fine 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 Pedagogy	2 hours

**Total Emphasis Hours 13**

(Of the 16 hours of applied guitar taken, 14 are to be of classical guitar, and 2 of studio.)

**2. Instrumental**

Students planning to choose an instrumental concentration must demonstrate an acceptable level of technique, performance and musical ability as determined by the instrumental faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper

technical and musical levels to be allowed to continue as an instrumental major. This applies to all degree plans.

MAP —	Major Applied Instrument	8 hours
MAP —	Applied Piano	1 hour
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours 13**

**3. Organ**

MAP —	Applied Organ	8 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 421	Organ Literature and Accompaniment	1 hour
MUS 429	Accompanying	1 hour

**Total Emphasis Hours 12**

**4. Piano**

Students planning to choose piano as their major performing emphasis must demonstrate an acceptable level of technique, performance and music ability as determined by the piano faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a piano major. This applies to all degree plans.

MAP —	Applied Piano	8 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 373	Piano Literature I	2 hours
MUS 374	Piano Literature II	2 hours
MUS 391	Counterpoint	2 hours
MUS 425	Piano Pedagogy I	2 hours
MUS 426	Piano Pedagogy II	2 hours
MUS 429	Accompanying	1 hour

**Total Emphasis Hours 19**

**5. Studio Guitar**

MAP —	Applied Studio Guitar	4 hours
MAP —	Applied Classical Guitar	4 hours
MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MED 351	Instrumental Music Organization	2 hours
MUS 320	Jazz Improvisation	1 hour
MUS 481	Vocal Methods and Pedagogy	2 hours

**Total Emphasis Hours 13**

(Of the 16 hours of applied guitar taken, 12 are to be of studio guitar and 4 of classical guitar.)

**6. Vocal**

Students planning to choose voice as their major performing emphasis must demonstrate an acceptable level of technique, performance, and musical ability as determined by the vocal faculty. Students unable to do this will be admitted on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a vocal major. This applies to all degree plans.

MAP —	Applied Voice	8 hours
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MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MUS 111, 112		
211	Italian, French, German Diction	3 hours
MUS 391	Counterpoint	2 hours
MUS 375, 376	Song Literature I, II	4 hours
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours 19**

### MINOR REQUIREMENTS — MUSIC

MAP —	Major Applied Instrument or Voice (Music minors choosing piano as their major applied instrument must pass the piano proficiency exam.)	4 hours
MAP —	Secondary Applied Piano or Voice	3 hours
MEN —	Ensemble (over 3 semesters) or Accompanying (Piano emphasis only)	3 hours
MUS 009	Recital Attendance (4 semesters)	0 hours
MUS 111, 112, 211	Italian, French, German Diction (Voice Emphasis Only)	(3 hours)
MUS 191	Elementary Theory I	4 hours
MUS 281, 381	Fundamentals of Conducting or Conducting I	2 hours
MUS 371, 372	Music History I or II	3 hours

**Total Minor Hours 19 (22)**

### RECOMMENDED ELECTIVES

MED 232, 241, 251, 262	Instrument Classes	2 hours
MUS 373, 374, 375, or 376	Piano or Song Literature	2 hours
MUS 481	Vocal Pedagogy	2 hours

### DEGREE REQUIREMENTS — CHURCH MUSIC (B.M. DEGREE; No Minor Required)

General Studies (pg. 51)

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

#### Additional Emphasis Hours Required

#### Music Core Hours

MAP —	Major Applied Instrument or Voice	8 hours
MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
*MEN —	Major Ensemble (one per semester)	8 hours
MUS 009	Recital Attendance (8 semesters)	0 hours
MUS 191, 192, 291, 292	Theory	16 hours
MUS 371, 372	Music History I, II	6 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hours
*	Piano Proficiency	0 hours

**Total Music Core Hours 47**

\* ALL Bachelor of Music (B.M.) majors must complete eight semesters of ensemble participation according to emphasis (one

ensemble per semester). Additional hours beyond the eight may be taken for credit or audit.

\*\* The College of Communications and Fine Arts includes a minimal level of piano performance as a requirement for graduation for all music majors. Four semesters of applied piano are required to help students achieve that basic skill and to pass the piano proficiency exam. If the proficiency is not passed by the fourth semester, the student must register for piano every semester until the proficiency is completed. If the proficiency is completed early, the student must still meet the four semester requirement. Students must pass the piano proficiency before student teaching and before the senior recital.

#### Church Music Core Hours

MAP 390	Junior Recital	0 hours
MAP 490	Senior Recital	0 hours
MCH 003	Southern Baptist Church Music Conference (8 semesters)	0 hours
MCH 320	Choir Methods I	2 hours
MCH 321	Choir Methods II	2 hours
MCH 330	Instrumental Music in the Church	2 hours
MCH 471	Choral Literature	3 hours
✓ MCH 372, 373	Hymnology	3 hours ✓
MCH 378	Music In Worship	3 hours
MCH 405	Church Music Seminar/Practicum	2 hours
MUS 226	Handbell Techniques	2 hours
MUS 382	Conducting II	2 hours
MUS 391	Counterpoint	2 hours
MUS 403	Advanced Rehearsal Techniques	2 hours
Electives from the following:		8 hours
(Conducting Emphasis - 6 hours)		
MED 232, 241, 251, 262	Instrument Classes	
MUS 219	Opera Workshop	
MUS 318	Recording Studio Performance	
MUS 411	Choral Arranging	
MUS 462	Orchestration	
TRE 140	Stagecraft	
TRE 270	Christian Drama	
SPC 398	Communications and the Media	

**Total Church Music Core Hours 33**

#### Additional Emphasis Requirements (Select One)

##### 1. Choral Conducting

The conducting emphasis requires a junior recital in voice, solo instrument, or keyboard and a senior conducting recital.

MAP —	Major Applied	4 hours
MAP —	Secondary Applied (Instrument and Voice Majors: Piano; Keyboard Majors: Voice)	2 hours
MAP —	Applied Voice (Instrument Majors Only)	(2 hours)
MAP 394	Applied Conducting	4 hours
MUS 111, 112, 211	Italian, French, German Diction	3 hours
MUS 385	Conducting Seminar	1 hour
MUS 405	Conducting Practicum	1 hour
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours 17 (19)**

(Formal admittance into the Conducting emphasis should occur

upon satisfactory completion of MUS 381 Conducting I and an interview with the conducting faculty.)

### 2. Instrumental

MAP —	Major Applied Instrument	8 hours
MAP 119, 219	Applied Voice	3 hours

**Total Emphasis Hours** 11

### 3. Keyboard

MAP —	Major Applied Keyboard	8 hours
MAP —	Secondary Applied Keyboard	2 hours
MAP —	Applied Voice	2 hours
MUS 429	Accompanying	2 hours

**Total Emphasis Hours** 14

### 4. Vocal

MAP —	Applied Voice	8 hours
MUS 111, 112, 211	Italian, French, German Diction	3 hours
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours** 13

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

### General Studies For Teacher Education Programs (pg. 100)

#### Certification Required

#### Additional Emphasis Hours Required

One who desires to work toward certification for teaching music in elementary or high school works toward a Bachelor of Science, following the General Studies for Teacher Education Programs as outlined on page 100. For the major in music education, one meets all basic requirements listed below plus the special requirements listed in the fields of concentration. The student also meets the requirements for Elementary or Secondary Certification (see pg. 100, 101, and 102) 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 Communications and Fine Arts prerequisites to student teaching.

#### Music Core Hours

MED 003	Music Educator's National Conference (4 semesters membership)	0 hours
MAP —	Major Applied Instrument or Voice	7 hours
MAP —	Applied Piano (Keyboard Majors: Voice)	4 hours
*MEN —	Major Ensemble (one per semester)	7 hours
MUS 009	Recital Attendance (7 semesters)	0 hours
MUS 191, 192, 291, 292	Theory	16 hours
MUS 371, 372	Music History I, II	6 hours
MUS 381	Conducting I	2 hours
MUS 392	Form and Analysis	3 hours
** —	Piano Proficiency	0 hours

**Total Music Core Hours** 45

\* ALL music majors must complete seven semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the seven may be taken for credit or audit.

\*\* The College of Communications and Fine 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

<del>Elementary Education Major or</del>	<del>Secondary Certification</del>	<del>36 - 47 hours</del>
MED 232, 241, 251, 262	Instrument Classes	4 hours
MED 381	Music in Elementary Grades	3 hours
MED 382	Music in Junior and Senior High Schools	3 hours
MUS 167	Classical Guitar	1 hour
MUS 382	Conducting II	2 hours

**Total Music Education Core Hours** 49 - 60

### Additional Emphasis Requirements (Select One)

#### 1. Instrumental

MAP 390	Junior Recital	0 hours
MED 351	Instrumental Music Organization	2 hours
MUS 320	Jazz Improvisation	1 hour
MUS 462	Orchestration	2 hours
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours** 7

#### 2. Piano/Organ

Students planning to choose piano as their major performing emphasis must demonstrate an acceptable level of technique, performance, and music ability as determined by the piano faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a music education major. This applies to all degree plans.

MAP 390	Junior Recital	0 hours
MUS 391	Counterpoint	2 hours
MUS 411	Choral Arranging or	
MUS 462	Orchestration	2 hours
MUS 425, 426	Piano Pedagogy I, II	4 hours
MUS 429	Accompanying	1 hour
MUS 373	Piano Literature I	2 hours
MUS 374	Piano Literature II	2 hours

**Total Emphasis Hours** 13



### 3. Vocal

Students planning to choose voice as their major performing emphasis, must demonstrate an acceptable level of technique, performance and musical ability as determined by the vocal faculty. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a vocal major. This applies to all degree plans.

MAP 390	Junior Recital	0 hours
MUS 111, 112,		
211	Italian, French, German Diction	3 hours
MUS 411	Choral Arranging	2 hours
MUS 375, 376	Song Literature I, II	4 hours
MUS 481	Vocal Pedagogy	2 hours
MUS 391	Counterpoint	3 hours

**Total Emphasis Hours** 14

### 4. Choral Conducting

MAP —	Major Applied, Jr./Sr., (3 audit hours)	0 hours
MAP 394	Applied Conducting (also 2 hours audit)	2 hours
MAP 490	Senior Recital	0 hours
MUS 111, 112,		
211	Italian, French, German Diction	3 hours
MUS 385	Conducting Seminar	1 hour
MUS 391	Counterpoint	2 hours
MUS 403	Advanced Rehearsal Techniques	2 hours
MUS 411	Choral Arranging	2 hours
MUS 471	Choral Literature	3 hours
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours** 17

(MED 381 Not Required for Secondary Certification)

### 5. Instrumental Conducting

MAP —	Major Applied Instrument (7 audit hours)	0 hours
MAP —	Applied Piano	1 hour
MAP 490	Senior Recital	0 hours
MED 351	Instrumental Music Organization	2 hours
MED 442	Instrumental Literature and Pedagogy	2 hours
MUS 391	Counterpoint	2 hours
MUS 403	Advanced Rehearsal Techniques	2 hours
MUS 405	Conducting Practicum	1 hour
MUS 462	Orchestration	2 hours
MUS 481	Vocal Pedagogy	2 hours

**Total Emphasis Hours** 14

(MED 381 Not Required for Secondary Certification)

### MINOR REQUIREMENTS — MUSIC EDUCATION

MAP —	Major Applied Voice or Instrument	4 hours
MAP —	Secondary Applied in Piano or Voice	2 hours
(Music minors choosing piano as their major applied instrument must pass the piano proficiency exam.)		
MED 232, 241,		
251, 262	Instrument Classes	2 hours
MED 381	Music in the Elementary Grades or	

MED 382	Music in the Junior and Senior High School	3 hours
MEN —	Ensemble (over 3 semesters) or	
MUS 429	Accompanying (piano emphasis only)	1 hour
MUS 009	Recital Attendance (4 semesters)	0 hours
MUS 111, 112,		
211	Italian, French, German Diction (voice emphasis only)	(3 hours)
MUS 191	Elementary Theory I	4 hours
MUS 371	Music History I or	
MUS 372	Music History II	3 hours
MUS 381	Conducting I	2 hours

**Total Minor Hours** 23 (26)

### DEGREE REQUIREMENTS — PIANO PERFORMANCE (B.M. DEGREE; No Minor Required)

Students planning to choose piano as their major performing emphasis must demonstrate an acceptable level of technique, performance and music ability. Students unable to do this will be admitted to the program on a two semester probationary status. During this time they must achieve the proper technical and musical levels to be allowed to continue as a piano performance major. This applies to all degree plans.

#### General Studies (pg. 51)

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

#### Piano Performance Major

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 320	Jazz Improvisation/Jazz Piano	1 hour
MUS 371, 372	Music History I, II	6 hours
MUS 373, 374	Piano Literature I, II	4 hours
MUS 381	Conducting I	2 hours
MUS 391	Counterpoint	2 hours
MUS 392	Form and Analysis	3 hours
MUS 425, 426	Piano Pedagogy I, II	4 hours
MUS 429	Accompanying	2 hours
MUS 462	Orchestration	2 hours
— —	Language electives (French, German, Italian)	8 hours

**Total Hours** 94

#### Recommended Electives:

MAP 229	Applied Organ	1 hour
MUS 189	Chamber Music Ensembles	1 hour
MUS 219, 319	Opera Workshop	3 hours
TRE 150	Acting I	3 hours
SPC 378	Oral Interpretation of Literature	3 hours

\* ALL Bachelor of Music (B.M.) majors must complete 8 semesters of ensemble participation according to emphasis (one ensemble per semester). Additional hours beyond the 8 may be taken for credit or audit.

- MAP 429A** 1 - 2 hours  
**Applied Organ**  
Every semester. Continuation of **MAP 329A**. Designed to prepare for a Senior Recital. Prerequisites: **MAP 329A** and Senior status.
- MAP 129B** 1 - 2 hours  
**Applied Piano**  
Every semester. Private instruction in the study of piano technique and literature including the passing of a piano proficiency exam if required under the applicable degree plan. The piano proficiency requirements are listed in the student handbook. Literature to be studied over a progression of semesters includes works by J. S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy and others.
- MAP 229B** 1 - 2 hours  
**Applied Piano**  
Every semester. Continuation of **MAP 129B**. Prerequisite: **MAP 129B**.
- MAP 329B** 1 - 2 hours  
**Applied Piano**  
Every semester. Continuation of **MAP 229B**. Designed to work toward a Junior Recital. Prerequisites: **Map 229B** and Junior status.
- MAP 429B** 1 - 2 hours  
**Applied Piano**  
Every semester. Continuation of **MAP 329B**. Designed to work toward a Senior Recital. Prerequisites: **MAP 329B** and Senior status.
- MAP 129C** 1 - 2 hours  
**Applied Piano/Jazz**  
Every semester. A course for the intermediate pianist focusing on voicings, jazz-related scales and improvisation. Also covered are jazz patterns for soloing and accompanying standard tunes.
- MAP 229C** 1 - 2 hours  
**Applied Piano/Jazz**  
Every semester. Continuation of **MAP 129C**. Prerequisite: **MAP 129C**.
- MAP 329C** 1 - 2 hours  
**Applied Piano/Jazz**  
Every semester. Continuation of **MAP 229C**. Prerequisite: **MAP 229C**.
- MAP 429C** 1 - 2 hours  
**Applied Piano/Jazz**  
Every semester. Continuation of **MAP 329C**. Prerequisite: **MAP 329C**.
- MAP 129D** 1 - 2 hours  
**Applied Piano/Arranging for the Church Pianist**  
Every semester. Arranging and improvisation for the church pianist. Individual instruction in piano arranging with emphasis on hymn/contemporary Christian arrangements suitable for solo performance. Instruction in the elements of improvisation, especially as they relate to the church pianist. (Congregational hymn playing; choir accompanying; offertories.) Prerequisite: Instructor's approval.
- MAP 229D** 1 - 2 hours  
**Applied Piano/Arranging for the Church Pianist**  
Every semester. Continuation of **MAP 129D**. Prerequisite: **MAP 129D**.
- MAP 329D** 1 - 2 hours  
**Applied Piano/Arranging for the Church Pianist**  
Every semester. Continuation of **MAP 229D**. Prerequisite: **MAP 229D**.
- MAP 429D** 1 - 2 hours  
**Applied Piano/Arranging for the Church Pianist**  
Every semester. Continuation of **MAP 329D**. Prerequisite: **MAP 329D**.
- MAP 129Q** 1 - 2 hours  
**Applied Piano/Class**  
Every semester. Class instruction in the study of piano techniques and literature including the passing of a piano proficiency examination if required under the applicable degree plan. The piano proficiency requirements are listed in the Music Student Handbook. Literature to be studied over a progression of semester includes works by J. S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy and others.
- MAP 229Q** 1 - 2 hours  
**Applied Piano/Class**  
Every semester. Continuation of **MAP 129Q**. Prerequisite: **MAP 129Q**.
- MAP 139** 1 - 2 hours  
**Applied Woodwinds**  
Every semester. Private instruction in a woodwind instrument, study of fundamentals of tone production, scales and technique for playing the instrument of the student's choice. Solo selections from recognized composers are studied.
- MAP 239** 1 - 2 hours  
**Applied Woodwinds**  
Every semester. Continuation of **MAP 139**. Prerequisite: **MAP 139**.
- MAP 339** 1 - 2 hours  
**Applied Woodwinds**  
Every semester. Continuation of **MAP 239**. Designed to prepare for a Junior Recital. Prerequisites: **MAP 239** and Junior status.
- MAP 439** 1 - 2 hours  
**Applied Woodwinds**  
Every semester. Continuation of **MAP 339**. Designed to prepare for a Senior Recital. Prerequisites: **MAP 339** and Senior status.
- MAP 149** 1 - 2 hours  
**Applied Brass**  
Every semester. Private instruction in a brass instrument of the student's choice. Same format as **MAP 139**.
- MAP 249** 1 - 2 hours  
**Applied Brass**  
Every semester. Continuation of **MAP 149**. Prerequisite: **MAP 149**.
- MAP 349** 1 - 2 hours  
**Applied Brass**  
Every semester. Continuation of **MAP 249**. Designed to prepare for a Junior Recital. Prerequisites: **MAP 249** and Junior status.
- MAP 449** 1 - 2 hours  
**Applied Brass**  
Every semester. Continuation of **MAP 349**. Designed to prepare for a Senior Recital. Prerequisites: **MAP 349** and Senior status.

**MAP 159** 1 - 2 hours

**Applied Percussion**

Every semester. Private instruction in a percussion instrument of the student's choice. Same format as MAP 139.

**MAP 259** 1 - 2 hours

**Applied Percussion**

Every semester. Continuation of **MAP 159**. Prerequisite: MAP 159.

**MAP 359** 1 - 2 hours

**Applied Percussion**

Every semester. Continuation of **MAP 259**. Designed to prepare for a Junior Recital. Prerequisites: MAP 259 and Junior status.

**MAP 459** 1 - 2 hours

**Applied Percussion**

Every semester. Continuation of **MAP 359**. Designed to prepare for a Senior Recital. Prerequisites: MAP 359 and Senior status.

**MAP 169** 1 - 2 hours

**Applied Strings**

On demand. Violin, Viola, Cello, String Bass private instruction. Same format as MAP 139.

**MAP 269** 1 - 2 hours

**Applied Strings**

On demand. Continuation of **MAP 169**. Prerequisite: MAP 169.

**MAP 369** 1 - 2 hours

**Applied Strings**

On demand. Continuation of **MAP 269**. Designed to prepare for Junior Recital. Prerequisites: MAP 269 and Junior status.

**MAP 469** 1 - 2 hours

**Applied Strings**

On demand. Continuation of **MAP 369**. Designed to prepare for Senior Recital. Prerequisites: MAP 369 and Senior status.

**MAP 179** 1 - 2 hours

**Applied Classical Guitar**

Every semester. Classical Guitar provides private study in technique and scales along with various styles and composers; the goal is a classical performance.

**MAP 279** 1 - 2 hours

**Applied Classical Guitar**

Every semester. Continuation of **MAP 179**. Prerequisite: MAP 179.

**MAP 379** 1 - 2 hours

**Applied Classical Guitar**

Every semester. Continuation of **MAP 279**. Designed to prepare for a Junior Recital. Prerequisites: MAP 279 and Junior status.

**MAP 479** 1 - 2 hours

**Applied Classical Guitar**

Every semester. Continuation of **MAP 379**. Designed to prepare for a Senior Recital. Prerequisites: MAP 379 and Senior status.

**MAP 189** 1 - 2 hours

**Applied Studio Guitar**

Every semester. Studio Guitar provides a series of private instruction designed to prepare the student for professional studio performance through a concentration on varied styles and improvisation.

**MAP 289** 1 - 2 hours

**Applied Studio Guitar**

Every semester. Continuation of **MAP 189**. Prerequisite: MAP 189.

**MAP 389** 1 - 2 hours

**Applied Studio Guitar**

Every semester. Continuation of **MAP 289**. Designed to prepare for a Junior Recital. Prerequisites: MAP 289 and Junior status.

**MAP 489** 1 - 2 hours

**Applied Studio Guitar**

Every semester. Continuation of **MAP 389**. Designed to prepare for a Senior Recital. Prerequisites: MAP 389 and Senior status.

**MAP 388** 1 hour

**Applied Theory**

Every semester. Private instruction in composition. Designed to provide background for the production of senior composition. Three semester hours are required.

**MAP 390** No Credit

**Junior Recital**

Every semester. Public Recital approximately 30 minutes in length. Applied and Church Music majors will perform as designated in the Music Student Handbook; theory majors will present a 30-minute composition. Conducting concentrations will conduct a 30-minute program.

**MAP 394** 1 - 4 hours

**Applied Conducting**

Every semester. Private instruction in conducting. Along with perfecting conducting gestures, attention will be given to the literature and rehearsal/performance situations relative to concurrent conducting courses, (Practicum and Seminar) and the Senior Recital. Prerequisites: MUS 381 and Junior or Senior status.

**MAP 488** 1 hour

**Applied Theory**

Every semester. Continuation of **MAP 388**. Three semester hours are required.

**MAP 490** No Credit

**Senior Recital**

Every semester. Same format as **MAP 390** only one hour in length. Theory majors may choose presentation of original composition with a Major ensemble.

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## CHURCH MUSIC

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**MCH 003** No Credit

**Southern Baptist Church Music Conference**

Every semester. SBCMC is the student chapter of the convention-wide organization. This is required each semester for church music students but is open for all who are interested in church music. It meets three times per semester for programs about various aspects of church music.

**MCH 320** **2 hours**  
**Choir Methods I**

Fall, 1993, and alternate years. Study and practice of current and traditional philosophies, methods and materials for use with preschool through sixth grade church choirs. Prerequisite: Junior status.

**MCH 321** **2 hours**  
**Choir Methods II**

Spring, 1994, and alternate years. Continuation of **MCH 320** with emphasis on study and practice of current and traditional philosophies, methods and materials for use with junior high, high school and senior adult choirs. (Does not have to be taken in sequence.) Prerequisite: Junior status.

**MCH 330** **2 hours**  
**Instrumental Music in the Church**

Fall, 1994, and alternate years. Designed to provide the church musician with practical knowledge of church instrumental music. Topics include history of church instrumental music, practical scoring, introduction to all orchestral instruments, rehearsal techniques and building a church orchestra. Prerequisite: Junior status.

**MCH 378** **3 hours**  
**Music in Worship**

Fall, 1993, and alternate years. A study of music in worship from Biblical times to the present. Comparison of liturgies and orders of worship and planning worship services for various occasions. Includes the formation of a philosophy of church music.

**MCH 393** **3 hours**  
**Hymnology**

Fall, 1994, and alternate years. Also **MIN 393**. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnology. No musical background is required. Recommended for theology and religious education students.

**MCH 405** **2 hours**  
**Church Music Seminar - Practicum**

On demand. A study of theory and practice of the music ministry in the local church with emphasis on philosophy, administration, graded choir methods, organ orientation, musical drama and basic electronic media skills. Lectures by outstanding guest authorities. The student will spend an internship of eight weeks in a local church with an approved minister of music. Prerequisites: **MCH 372**, **MCH 378**, **MUS 471** or instructor's approval.

**MCH 471** **3 hours**  
**Choral Literature**

Spring, 1994, and alternate years. Also **MUS 471**. A survey of choral literature from the Renaissance to the present with emphasis on style, aesthetics, and musical terminology. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness. Prerequisites: **MUS 292**, **MUS 371**, **MUS 372** or instructor's approval.

**MUSIC EDUCATION**

**MED 003** **0 hours**  
**Music Educator's National Conference**

Every semester. The Music Educator's National Conference Collegiate Membership gives the students an opportunity for professional development while still in school. It is expected that benefits will accrue both to the students and to the professional organization as the students gain an understanding of the practices of the professional music educator.

**MED 232** **1 hour**  
**Woodwind Instrument Class**

Every Spring. A practical study of the high and low woodwind instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

**MED 241** **1 hour**  
**Brass Instrument Class**

Every Fall. A practical study of the high and low brass instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

**MED 251** **1 hour**  
**Percussion Instrument Class**

Every Fall. Same format as **MED 241**, except pertaining to percussion instruments. Prerequisite: Sophomore status.

**MED 252** **1 hour**  
**String Instrument Class**

Every Spring. A practical study of the high and low string instruments. The student learns to play, care for and teach each instrument. Prerequisite: Sophomore status.

**MED 351** **2 hours**  
**Instrumental Music Organization**

Every Fall. An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes philosophy, marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and equipment, library, uniforms, inventory, tests and measurements, finance and development of a complete instrumental program. Prerequisites: **MED 232**, **MED 241**, **MED 251**, **MED 252**, **MUS 292**.

**MED 381** **3 hours**  
**Music in the Elementary Grades**

Every Fall. A study and demonstration of methods and materials for the first six grades. A study is made of problems encountered with each grade level. Lesson plans are prepared. Visits are made to observe actual teaching situations. Prerequisite: **MUS 292** or instructor's approval.

**MED 382** **3 hours**  
**Music in the Junior and Senior High School**

Every Spring. A study of methods for developing and conducting the music program in Junior and Senior high schools, including the organization of choruses and glee clubs, the classification of voices, the development of music appreciation, the selection of music literature, etc. Prerequisites: **MUS 292**, **MUS 381** or instructor's approval.

F95

F95

S96

**MED 396****Music Education Tutoring**

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

**2 hours****MED 442****Instrumental Literature and Pedagogy**

On demand. Study of outstanding literature (secular and sacred) for Junior and Senior high school band, orchestra, stage band, jazz ensemble and chamber ensembles. Special rehearsal skills and interpretation are emphasized. Prerequisites: MUS 292, Junior status.

**2 hours****MUSIC ENSEMBLES****MEN 109****University Choir**

Every semester. University Choir is an ensemble of 50 to 60 voices drawn from the student body by competitive audition. Membership is not limited to music majors and minors. A broad scope of choral literature encompassing all of the stylistic periods is performed. One major choral/orchestral work is performed in the Spring. Strong emphasis is placed on individual commitment to the ensemble. University Choir performs locally and does extended touring.

**1 hour****MEN 111****University Singers**

Every semester. University Singers is an ensemble of 40 to 50 voices. It is open to all students at Grand Canyon University with the conductor's approval. Choral literature from all stylistic periods will be performed. University Singers will perform a major choral work each Spring in conjunction with the University Choir. This ensemble is designed to provide a quality performance experience for music majors and non-majors alike. Strong emphasis is placed on individual commitment to the ensemble. Performance opportunities include campus and local events and possible tours.

**1 hour****MEN 129****Small Jazz Ensemble**

Every semester. A performing ensemble designed to give the student experience performing Jazz material in a small ensemble setting.

**1 hour****MEN 139****Wind Ensemble**

Every semester. The Wind Ensemble is made up of music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their college career. The literature performed is selected from the finest contemporary and traditional repertoire.

**1 hour****MEN 149****Jazz Band**

Every semester. Performance of jazz-oriented material written or arranged for the Jazz Band.

**1 hour****MEN 169****Chamber Orchestra**

On demand. Study and performance of chamber orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theatre productions.

**1 hour****MEN 199****Grand Guitars**

Every semester. Instrumental performance ensemble for guitar emphasizing group performance in a variety of musical idioms. Prerequisite: Instructor's approval.

**1 hour****MEN 252****Handbells**

Every semester. A handbell ensemble. The literature performed is selected from the finest contemporary and traditional repertoire. Open to all students with instructor's approval.

**1 hour****MEN 300****New Life Vocal Ensemble**

Every semester. Select, auditioned ensemble of six to ten voices performing contemporary Christian music. Concert opportunities during each semester, with the possibilities of an extended tour in the Spring or Summer. Prerequisites: Audition and instructor's approval.

**1 hour****MEN 303****Chamber Singers**

Every semester. Chamber Singers is a highly selective 16 voice ensemble drawn from the University Choir membership. Repertoire will be quite varied, ranging from early madrigal to more contemporary styles of vocal music. Students must first be selected for University Choir before being considered for this ensemble.

**1 hour****MEN 304****Piano Ensemble**

Every semester. Sight reading, practice, and performance of piano music for four hands. May be repeated for credit. Prerequisite: Approval of private instructor.

**1 hour****MUSIC/THEATRE****MTH 289****Musical Theatre**

Every Fall or Spring. Participation and production of a full-length musical or operetta. Provides activities in all phases of musical theatre production (set design, costuming, make-up staging, publicity). May be repeated for credit. Prerequisites: Audition and instructor's approval.

**3 hours****MTH 389****Musical Theatre**

Every Fall or Spring. Continuation of **MTH 289**. Prerequisites: MTH 289, Audition and instructor's approval.

**3 hours**

*Spoke  
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## MUSIC

### MUS 009 **No Credit** Recital Attendance

Every semester. Thursday afternoon studio, area, and department recitals of all music and performing arts major and minors. Details listed in Music Student Handbook.

### MUS 105 **2 hours** Fundamentals of Music

On demand. Designed for individuals and elementary education majors interested in acquiring creative skills in reading, performance, and understanding of music for personal enjoyment or use in the elementary classroom. Previous musical experience not required. No credit toward degree for music majors.

### MUS 111 **1 hour** Diction: Italian

Every Fall. A laboratory devoted to phonetic sounds of Italian as used by a singer. Prerequisite course to upper division Applied Voice.

### MUS 112 **1 hour** Diction: French

Every Fall. A laboratory devoted to phonetic sounds of French as used by a singer. Prerequisite course to upper division Applied Voice. Students having two years of high school French or one year of college French may test out of this course.

### MUS 167 **1 hour** Class Guitar

Every semester. A practical introduction to the guitar, designed especially for beginners. Students will learn to play the guitar with both the plectrum style (pick only) and classical finger-style approaches. Emphasis on guitar pedagogy as applied to elementary and secondary education levels. Required of Music Education majors. Open to all non-music majors and minors. Knowledge of basic musical notation is required.

### MUS 189 **1 hour** Chamber Music Ensembles

Every semester. Practice, study and performance of chamber music. Includes various combinations of strings, woodwinds, brasses, percussion, guitar and voice. Approval of private instructor. May be repeated for credit. Does not meet ensemble requirement without written consent of the College of Communications and Fine Arts.

### MUS 191A **2 hours** Aural Perception

Every Fall and on demand Spring. Designed for music majors and minors. **MUS 191A** and **MUS 191B** must be taken concurrently. Includes rhythmic, melodic and harmonic dictation, basic keyboard performance and sight singing. Computer-assisted ear training will be utilized. Grade of "C" or above necessary for advancement. Prerequisite: MUS 105 or a satisfactory score on the freshman theory placement examination, administered during enrollment week.

### MUS 191B **2 hours** Harmony

Every Fall and on demand Spring. Designed for music majors and minors. **MUS 191A** and **MUS 191B** must be taken concurrently. Study is devoted to the structure of music which includes harmony, melody, form and rhythm. Skill development in analysis and creative expression through compositions is emphasized. The music of the "common practice period" will be studied.

### MUS 192A **2 hours** Aural Perception

Every Spring and on demand Summer Session I. Designed for music majors only. Continuation of **MUS 191A**. **MUS 192A** and **MUS 192B** must be taken concurrently. Grade of "C" or above necessary for advancement. Prerequisite: MUS 191A or equivalent.

### MUS 192B **2 hours** Harmony

Every Spring and on demand Summer Session I. Designed for music majors only. Continuation of **MUS 191B**. **MUS 192A** and **MUS 192B** must be taken concurrently. Analysis and composition utilizing 20th century devices will be included. Prerequisite: MUS 191B or equivalent.

### MUS 211 **1 hour** Diction: German

Every Spring. A laboratory devoted to phonetic sounds of German as used by a singer. Prerequisite course to upper division Applied Voice. Students having two years of high school German or one year of college German may test out of this course.

### MUS 219 **3 hours** Opera Workshop

Every Fall or Spring. Participation and production of a full-length opera or two one-act operas. Provides activities in all phases of opera production (set design, costuming, make-up, staging, publicity). May be repeated for credit. Prerequisites: Audition and instructor's approval.

### MUS 220 **2 hours** Modern Rhythms and Styles I

Every Fall. A comprehensive study of the mechanics of rhythm (pulse, subdivision). Survey of contemporary styles, including jazz, pop/rock, fusion, Latin and various other areas.

### MUS 221 **2 hours** Jazz/Commercial Music Harmony

Every Spring. A continuation of **MUS 220**. Prerequisite: MUS 220 or instructor's approval.

### MUS 225 **3 hours** Survey of Jazz in America

Spring, on demand. A survey of music in the jazz idiom from its origin to present. Introduction to the principal periods, performers, and styles of jazz with emphasis on listener appreciation and understanding.

### MUS 226 **2 hours** Handbell Techniques

Every Fall. A study of handbell techniques, materials, and methods of organizing and training handbell choirs for school and church. Prerequisite: Music reading ability.

**MUS 252** 3 hours  
**Music Appreciation**

Every Fall. Designed specifically for non-music majors and minors, this course contributes to the intellectual, emotional and aesthetic understanding of music and expression, as science, and as an art closely akin to the other fine arts. Great works of music are heard in order that the student may gain insight into music's inner workings and that may develop a discriminating, intelligent appreciation of the best in music.

**MUS 281** 2 hours  
**Fundamentals of Conducting**

Fall, on demand. A study of the fundamentals of conducting hymns, anthems, and other music. Emphasis on vocal conducting techniques and problem-solving. May be taken by music minors. Prerequisite: MUS 191 or instructor's approval.

**MUS 291A** 2 hours  
**Aural Perception**

Every Fall. Designed for music majors only. **MUS 291A** and **MUS 291B** must be taken concurrently. Advanced sight singing, keyboard performance and rhythmic, harmonic and melodic dictation will be emphasized. Computer-assisted ear training will be utilized. Music examples will be selected from Bach through Wagner. Prerequisite: MUS 192A or equivalent.

**MUS 291B** 2 hours  
**Harmony**

Every Fall. Designed for music majors only. **MUS 291A** and **MUS 291B** must be taken concurrently. Advanced study in part writing utilizing borrowed and altered chords from closely related keys, far related keys, parallel keys. Neopolitan and augmented sixth chord types are included. Prerequisite: MUS 192B or equivalent.

**MUS 292A** 2 hours  
**Aural Perception**

Every Spring. Designed for music majors only. Continuation of **MUS 291A**. **MUS 292A** and **MUS 292B** must be taken concurrently. Ear training material will include the 20th century. Prerequisite: MUS 291A or equivalent.

**MUS 292B** 2 hours  
**Harmony**

Every Spring. Designed for music majors only. Continuation of **MUS 291B**. **MUS 292A** and **MUS 292B** must be taken concurrently. Analysis and composition will include music of the 20th century. Prerequisite: MUS 291B or equivalent.

**MUS 315** 2 hours  
**Basic Modern Arranging I**

Every Fall. A two-semester introductory through intermediate level course for music majors (or non-majors who have the prerequisite of musical knowledge). It provides a basic foundation in contemporary arranging for combo, jazz ensemble, concert band and jazz or pop vocal groups. Prerequisites: MUS 191, MUS 192, MUS 291, MUS 292 or instructor's approval.

**MUS 316** 2 hours  
**Basic Modern Arranging II**

Every Spring. A continuation of **MUS 315**. Prerequisite: MUS 315 or instructor's approval.

**MUS 317** 2 hours  
**Jazz/Commercial Music Conducting and Rehearsal Techniques**

On demand. Covers the preparation of small and large jazz ensembles beginning with daily through yearly goals and objectives. Includes repertoire selection, pacing and rehearsal efficiency. Open to all students in the Communications/Commercial Music degree program and music education majors. Prerequisite: Instructor's approval.

**MUS 319** 3 hours  
**Opera Workshop**

Same as **MUS 219**.

**MUS 320** 1 hour  
**Jazz Improvisation**

Every semester. A course designed to introduce the student to improvising, with emphasis on scales, modes and arpeggios. Prerequisites: MUS 105, MUS 191 or instructor's approval.

**MUS 350** 3 hours  
**Commercial Music Seminar**

Every Spring. Designed to inform students of the background and necessary skills required for a full- or part-time career in commercial music. Prerequisite: Instructor's approval.

**MUS 371** 3 hours  
**Music History I**

Every Fall. A survey of music from primitive times to the mid-18th Century. Study presents the growth of music in the Middle Ages and Renaissance through the contrapuntal schools culminating in the work of J. S. Bach and the development of opera and oratorio during the Baroque. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.

**MUS 372** 3 hours  
**Music History II**

Every Spring. A survey of music from the mid-18th Century to modern times. Study is devoted to the rise of homophonic music, the art song, the nationalistic schools, and the principal composers of the Classical, Romantic and Contemporary style periods. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.

**MUS 373** 2 hours  
**Piano Literature I**

Fall, 1994, and alternate years. Baroque and Classical periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. Prerequisite: MUS 371 or instructor's approval.

**MUS 374** 2 hours  
**Piano Literature II**

Spring, 1995, and alternate years. Romantic and Contemporary periods. Emphasis on learning the standard piano repertoire through reading and listening assignments. Prerequisite: MUS 371 or instructor's approval.

**MUS 375** 2 hours  
**Song Literature I**

Fall, 1993, and alternate years. A survey study of the composers, their styles and literature from the beginning of solo song through the early romantic period. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.

**MUS 376** **2 hours**  
**Song Literature II**  
Spring, 1994, and alternate years. Continuation of **MUS 375**. A survey study of the composers, their styles and literature from the middle romantic period of solo song through the contemporary period. Designed for music majors and minors. Prerequisite: Junior or Senior status or instructor's approval.

**MUS 381** **2 hours**  
**Conducting I**  
Every Fall. A study of the fundamentals and techniques of conducting hymns, anthems and other music with special emphasis on the problems of directing vocal groups. Prerequisites: Junior status, completion of Music Theory and Music History degree requirements and instructor's approval.

**MUS 382** **2 hours**  
**Conducting II**  
Every Spring. Continuation of **MUS 381** with emphasis on instrumental music. Rehearsal and conducting techniques, score reading and artistic interpretation will be covered. Prerequisite: MUS 381.

**MUS 385** **1 hour**  
**Conducting Seminar**  
On demand. The study of major choral works from historical and stylistic perspectives as it relates to performance practices. Attention will be given to historical perspective, conducting techniques, rehearsal procedures, instrumentation, ornamentation, interpretation, original language and translation. Prerequisite: MUS 382.

**MUS 391** **2 hours**  
**Counterpoint**  
Every Spring. A survey of contrapuntal practice from Josquin to the twentieth century. Background reference is made to early polyphonic music. Emphasis is given to sixteenth century species counterpoint and in analyzing and writing inventions and fugues in the eighteenth century style of J. S. Bach. An introduction is given to the use of counterpoint in twentieth century composition. Prerequisite: MUS 292.

**MUS 392** **3 hours**  
**Form and Analysis**  
Every Fall. A study of the various structure forms in music; from motive, phrase and period through binary and ternary forms to the most complex, such as the variation, rondo, and sonata. Works of the masters are analyzed from the standpoint of form. Prerequisite: MUS 292.

**MUS 396** **2 hours**  
**Music Tutoring**  
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the College Dean and the Tutor Program Coordinator.

**MUS 399** **1 - 4 hours**  
**Practicum**  
On demand. See page 42.

**MUS 403** **2 hours**  
**Advanced Rehearsal Techniques**  
Every Fall. A study of advanced problems in rehearsing and conducting at the high school level. An examination and analysis of the prevailing choral/instrumental philosophies, including rehearsal techniques, performance practices and score preparation. Prerequisite: MUS 381.

**MUS 405** **1 hour**  
**Conducting Practicum**  
On demand. A conducting apprenticeship among the Music Department's various choral and instrumental ensembles and with Opera Workshop. The apprentice will observe and participate in rehearsal as instructed by each director. Prerequisites: MUS 382, MUS 403 or instructor's approval.

**MUS 411** **2 hours**  
**Choral Arranging**  
Every Fall. A course designed to teach the prospective music teacher the skill of choral arranging and to help the student meet the day-to-day demands placed on a general music teacher or a secondary choral director. Prerequisites: MUS 292, instructor's approval.

**MUS 412** **2 hours**  
**Advanced Arranging I**  
Every Fall. For the advanced student who plans to arrange music on a professional basis. Will include the complexities of harmony notation, orchestration, recording studio writing and production, film and TV. writing, writing for publication and professional protocol. Must be followed by Advanced Arranging II. Prerequisites: MUS 220, MUS 315, MUS 316, MUS 221.

**MUS 413** **2 hours**  
**Advanced Arranging II**  
Every Spring. Continuation of **MUS 412**. Prerequisite: MUS 412 or instructor's approval.

**MUS 415** **2 hours**  
**Recording Studio Producing**  
On demand. An advanced course covering the basics of recording studio engineering from a producer's perspective. Includes track assignments, recording basic tracks, overdubbing, signal-processing, mixdowns, duplications and preparation of masters for further exploitation. Prerequisite: Instructor's approval.

**MUS 421** **1 hour**  
**Organ Literature and Accompaniment**  
On demand. Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignments for accompanying a choir are given. Prerequisites: Two years of Applied Organ, MAP 129 and MAP 229.

**MUS 425** **2 hours**  
**Piano Pedagogy I**  
Fall, 1993, and alternate years. A study of skills for teaching piano to children and adult beginners emphasizing technique, style, and musicianship. Includes review and recommendations of graded method materials available. Supervised student teaching. Prerequisite: Instructor's approval.



**MUS 426** **2 hours**  
**Piano Pedagogy II**

Spring, 1994, and alternate years. Continuation of **MUS 425**. Emphasis on intermediate piano literature and group piano teaching techniques. Survey of appropriate materials, observation and supervised student teaching. Prerequisite: Instructor's approval.

**MUS 429** **1 hour**  
**Accompanying**

Every Spring. A study and application of accompanying techniques in vocal, choral and instrumental music. Students are assigned a vocalist, instrumentalist or choir. Prerequisite: Instructor's approval.

**MUS 462** **2 hours**  
**Orchestration**

Every Spring. A course designed to present the practical fundamentals of orchestration of all of the current instruments in the string, woodwind, brass and percussion families. Prerequisites: MUS 292, instructor's approval.

**MUS 471** **3 hours**  
**Choral Literature**

Spring, 1994, and alternate years. Also **MCH 471**. A survey of choral literature from the Renaissance to the present with emphasis on style, aesthetics, and musical terminology. Compositions are performed and analyzed for stylistic interpretation, musical and textual merit, and usefulness. Prerequisites: MUS 292, MUS 371, MUS 372 or instructor's approval.

**MUS 481** **2 hours**  
**Vocal Pedagogy**

Every Spring. A study of skills for the teaching of voice to individuals or groups. The physical voice is studied and potential vocal problems analyzed; historical methods of correction are presented. Guest lecturers present current ideas. Prerequisite: MAP 219 or instructor's approval.

**MUS 491** **2 hours**  
**Career Plan and Portfolio** *605*

Every Spring. The student will develop a career plan in the commercial music industry. The creation of music samples and promotional packets, recording studio demeanor and approaches to job seeking will be covered. Prerequisite: Instructor's approval.

**MUS 492** **2 hours**  
**Twentieth Century and American Music**

Fall, 1995, and alternate years. A survey of twentieth century compositional practices and styles, providing opportunities for practical understanding through experiences in listening, analyzing and composing. Specific attention is given to American composers and their music. Prerequisite: MUS 292 or equivalent.

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

On demand. See page 42.

# Department of Theatre and Drama



Department Description

Degree Requirements

Speech/Theatre

Theatre/Drama

Course Descriptions

## DEPARTMENT DESCRIPTION

The Department of Theatre and Drama provides the foundation needed to pursue careers in academic, community, and professional theatre programs and/or graduate study. Students receive a comprehensive knowledge of the body of dramatic literature and practical experience in the production and performance of this literature.

The Department of Theatre and Drama, in cooperation with the Department of Music, produces the **Ethington Theatre Series** which presents five major productions annually. Additionally the department offers a student directed series of productions that are performed in the C. J. Smith Laboratory Theatre on campus. Auditions for these productions are open to the entire student body.

Scholarships are available by audition and/or portfolio review.

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

General Studies (pg. 51)

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

**Minor Required**

**Speech/Theatre Major**

SPC 113	Fundamentals of Speech	3 hours
*SPC 200	Speech Participation	1 hour
SPC 292	Group Discussion	3 hours
*SPC 300	Speech Participation	1 hour
SPC 311	Advanced Public Speaking	3 hours
SPC 318	Voice and Diction	3 hours
SPC 378	Oral Interpretation of Literature	3 hours
SPC 398	Communications and the Media	3 hours
TRE 120	Introduction to the Theatre	3 hours
TRE 140, 340	Stagecraft and Design	3 hours
TRE 150	Acting I	3 hours
*TRE 200	Theatre Participation	1 hour
TRE 250	Acting II or	
TRE 255	Stage Movement	3 hours
TRE 270	Christian Drama or	
TRE 440	Stage Lighting and Design	3 hours
*TRE 300	Theatre Participation	1 hour
TRE 370, 371	Theatre History I or II	3 hours
TRE 375, 376	Dramatic Literature I or II	3 hours
TRE 498	Stage Direction	3 hours

**Total Major Hours 45**

\* Students are required to select three out of four available participation credits.

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

General Studies (pg. 51)

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

**Minor Required**

**Theatre/Drama Major**

TRE 120	Introduction to the Theatre	3 hours
TRE 140, 340	Stagecraft	3 hours
TRE 150	Acting I	3 hours
TRE 200	Theatre Participation	1 hour
TRE 241	Stage Makeup or	
TRE 270	Christian Drama	3 hours
TRE 250	Acting II	3 hours
TRE 255	Stage Movement or	
TRE 455	Acting III - Scene Study	3 hours
TRE 300	Theatre Participation	1 hour
TRE 345	Scene Design	3 hours
TRE 346	Costume Design	3 hours
TRE 370	Theatre History I	3 hours
TRE 371	Theatre History II	3 hours
TRE 375	Dramatic Literature I	3 hours
TRE 376	Dramatic Literature II	3 hours

TRE 400	Theatre Participation	1 hour
TRE 440	Stage Lighting and Design	3 hours
TRE 498	Stage Direction	3 hours

**Total Major Hours 45**

**MINOR REQUIREMENTS — THEATRE**

TRE 345	Scene Design or	
TRE 346	Costume Design or	
TRE 440	Stage Lighting and Design	3 hours
TRE 120	Introduction to the Theatre	3 hours
TRE 140, 340	Stagecraft	3 hours
TRE 150	Acting I	3 hours
TRE 200, 300		
400	Theatre Participation	1 hour
TRE 370	Theatre History I or	
TRE 371	Theatre History II	3 hours
TRE 498	Stage Direction	3 hours

**Total Minor Hours 19**

**THEATRE AND DRAMA**

**TRE 120 3 hours  
Introduction to the Theatre**

Every Fall. The study of dramatic structure, dramatic literature, period styles and various types of drama.

**TRE 140 3 hours  
Stagecraft**

Every semester. The study of set construction, lighting, costuming, properties, and make-up. Practical application of the above to be gained through University practicums. May be repeated for credit once.

**TRE 150 3 hours  
Acting I**

Every Fall. Principles of pantomime and dramatic action designed to establish the proper relationship of the voice to the body and its functions in the interpretation of character. Designed also to help develop coordination, grace, physical presence and facility in the actor, vocalist, teacher, athlete and other persons involved in public performance. This course includes two hours per week in studio work and participation in productions.

**TRE 200 1 hour  
Theatre Participation**

Every semester. As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management or related fields. Prerequisite: Instructor's approval.

**TRE 241 3 hours  
Stage Make-up**

On demand. A detailed study of the art and craft of designing and executing stage make-up. Topics will include two-dimensional, three-dimensional and special effects make-up. Students may also design and supervise make-up for University productions.

**TRE 250** **3 hours**  
**Acting II**

Every Spring. An advanced acting course emphasizing scene study and textual analysis, allowing students to concentrate on the method and technique of building a character. Prerequisite: TRE 150 or instructor's approval.

**TRE 255** **3 hours**  
**Stage Movement**

Every Fall. Theories and technical practices and styles and schools of stage movement. Study of audition techniques, working with groups and individually, direction techniques, ballet, and the basic theories of Delsarte, Dalcroze and Alexander. Open to non-majors and minors.

**TRE 270** **3 hours**  
**Christian Drama**

On demand. Also **MIN 270**. A creative Christian dramatics lab with opportunities to perform for churches and other groups. Emphasis is on directing, selecting and editing, as well as performing religious drama. The student may choose to write original drama with a Christian message or to correlate Christian drama with music. Ways and means of utilizing dramatic activity, organizing a drama group and training the inexperienced within a church are studied.

**TRE 300** **1 hour**  
**Theatre Participation**

Every semester. As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management or related fields. Prerequisite: Instructor's approval.

**TRE 340** **3 hours**  
**Stagecraft**

Every semester. The study of set construction, lighting, costuming, properties, and make-up. Practical application of the above to be gained through University practicums. May be repeated for credit once.

**TRE 345** **3 hours**  
**Scene Design**

On demand. A study of the theories and practices of designing for the stage. Prerequisites: TRE 140, TRE 340.

**TRE 346** **3 hours**  
**Costume Design**

On demand. A comprehensive study of the major periods of costume history and the process of designing costumes for the theatre. Prerequisite: TRE 120 or instructor's approval.

**TRE 370** **3 hours**  
**Theatre History I (Greeks to Restoration)**

Spring, 1995, and alternate years. An in-depth study of the history and development of theatre from early Greece to the English Restoration. Prerequisite: TRE 120 or instructor's approval.

**TRE 371** **3 hours**  
**Theatre History II (18th Century to Present)**

Spring, 1994, and alternate years. An in-depth study of the history and development of theatre from 18th Century through modern time. Prerequisite: TRE 120 or instructor's approval.

**TRE 375** **3 hours**  
**Dramatic Literature I**

Fall, 1993, and alternate years. A comprehensive study of the major periods and forms of dramatic literature dating from early Greece to the Restoration. Prerequisite: TRE 120 or instructor's approval.

**TRE 376** **3 hours**  
**Dramatic Literature II**

On demand. A comprehensive study of the major periods and forms of dramatic literature dating from the Restoration to the present. Prerequisite: TRE 120 or instructor's approval.

**TRE 378** **3 hours**  
**History and Literature of the Lyric Stage**

On demand. In-depth study of the lyric stage; divided into three 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 399** **1 - 4 hours**  
**Practicum**

On demand. See page 42.

**TRE 400** **1 hour**  
**Theatre Participation**

Every semester. As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management or related fields. Prerequisite: Instructor's approval.

**TRE 440** **3 hours**  
**Stage Lighting and Design**

Spring, 1994, and alternate years. The art of designing lighting for the theatre. Students will actively participate in designing University productions and classroom projects. Prerequisite: TRE 120 or instructor's approval.

**TRE 455** **3 hours**  
**Acting III - Scene Study**

On demand. Scene study is the final course of the acting series. Students will be involved with intense duet scene work from a wide variety of playwrights. Students will also work on audition pieces in this course. Prerequisites: TRE 150, TRE 250.

**TRE 498** **3 hours**  
**Stage Direction**

Spring, 1994, and alternate years. A study of theories and techniques of interpreting and directing plays through lectures, and demonstrations. Students are required to participate in laboratory projects in directing one-acts or scenes from full-length plays. Prerequisite: TRE 120 or instructor's approval.

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

On demand. See page 42.

# College of Education



- College Description
- Guarantee Statement
- Program Features
- Teacher Education Curricula
- Application Procedures
- General Studies for Teacher Education Programs
- Degree Requirements Undergraduate
  - Elementary Education
  - Special Education
    - Emotionally Handicapped
    - Learning Disabilities
  - Secondary Education
- Fifth Year Program
- Graduate Studies
- Graduate Curriculum
- Application Procedures for Graduate Studies
- Degree Requirements Graduate
  - Elementary Education - M.Ed.
  - Secondary Education - M.Ed.
  - Elementary Education - M.A.
  - Gifted Education - M.A.
  - Reading Education - M.A.
  - Teaching English as a Second Language - M.A.
  - Urban Education - M.A.
- Course Descriptions

*College of Education*

## COLLEGE OF EDUCATION DESCRIPTION

The preparation of teachers for the public/private schools of our nation is a significant responsibility for the College of Education. The programs are designed to insure the highest level of professional and academic competence of the graduate in the classroom.

The Master of Arts (M.A.) and the Master of Education (M.Ed.) degree programs were accredited in June, 1987. Refer to pages 102-105 for descriptions of those programs of study.

## GUARANTEE STATEMENT

Starting with its December 1984 graduates, Grand Canyon University has provided the following guarantee: Grand Canyon University will GUARANTEE assistance to any teacher graduate who is experiencing difficulty in the first year of teaching in the area for which they have been certified. Believing in the excellence of our program, we will provide assistance to any graduate recommended by Grand Canyon for teaching certification in the state of Arizona at the elementary or secondary level. This assistance continues through their first year of teaching at no expense to the school district or to the teacher graduate.

Faculty from Grand Canyon University will support the new teacher by acting as consultants in such areas as: curriculum planning and design, classroom management, content presentation, and individualized instruction.

The need for assistance may be determined by the Grand Canyon graduate or by the principal or superintendent. The College of Education will respond to such requests by providing faculty with appropriate expertise, either from Education or other disciplines.

## PROGRAM FEATURES

The Education Program provides these special features:

- **Practical classroom experience** begins as early as the sophomore year with a minimum of 90 hours in the K-12 classroom prior to student teaching.
- **Opportunities to design curriculum materials.**
- **Student professional organization** which provides encouragement to students via projects, workshops and academic areas.
- **A placement service** that has averaged a 94% placement rate for education graduates in the past ten years.
- **Faculty** who have an average of 10 years experience in the K-12 school system.
- **Adjunct faculty** who hold concurrent employment in classroom and administrative positions.
- **Choices of study** in the areas of: Special Education - Learning Disabilities, Emotionally Handicapped, Gifted Endorsement, Secondary (grades 7-12) with a subject area emphasis, Elementary (grades K-8), Reading Endorsement (grades K-12), English as a Second Language Endorsement, and K-12 Endorsement in the areas of Art, Music, and Physical Education.

## TEACHER EDUCATION CURRICULA

The courses in education are planned primarily to provide curricula for certification of elementary teachers, secondary teachers, and special education teachers.

Coursework is offered leading to teaching programs in the following areas:

1. **Elementary Education** (A minor in a content area commonly taught in grades K-8 in the Arizona public schools is required);
2. **Special Education** (Learning Disabilities, Emotionally Handicapped and Gifted). A minor in a content area commonly taught in grades K-8 in the Arizona public schools is required;
3. **Secondary Education** (Certifiable majors are determined by the Arizona State Department of Education as any course of study that is commonly taught in grades 7-12 in public schools in Arizona.) Refer to the prospective departments for a listing of those major requirements;
4. **Endorsements (K-12)** for Art, Music, and Physical Education. In order to qualify for an Endorsement, one must also have an Elementary Certificate or a Secondary Certificate. The Endorsement involves at least 46 semester hours in the specific teaching field. The methods of teaching in the specific teaching field at the elementary level and the secondary level must both be included in the 46 hours. Endorsements are also offered in Gifted, Reading Education, and English as a Second Language.

The teacher education program of Grand Canyon University is approved by the Arizona State Board of Education. If state certification requirements change, the student must meet the new requirements regardless of the catalog under which they will be graduating. All Elementary Education and Special Education majors must meet the requirements for the Grand Canyon University state-approved certification program prior to graduation.

## TEMPORARY CERTIFICATE, ELEMENTARY OR SECONDARY

A person with a bachelor's degree may normally qualify for a temporary certificate for teaching in the elementary or secondary schools of Arizona if he has credit for the courses required for professional preparation, including student teaching. Any portion of this professional preparation, including a study of psychology, curriculum, methods of teaching, and student teaching, may be included in the work leading toward the bachelor's degree.

## STANDARD CERTIFICATE, ELEMENTARY OR SECONDARY

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 40-47 hours in upper division courses during a special Fifth Year program designed by the Dean of the College of Education in consultation with the student. This will include prescribed professional courses (see pg. 102). The student who would be in the Fifth Year program is encouraged to enter the Master of Education (M.Ed.) program (see pg. 102-105).

## APPLICATION PROCEDURES

### ELIGIBILITY

In order to become a candidate for teacher education, a student must have completed at least 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 GPA in residence at Grand Canyon. In order to be accepted as a candidate for a secondary certificate, one must also have a 2.50 GPA in the teaching field; and one seeking K-12 subject endorsement must have a 2.50 GPA in the appropriate

teaching field. A minimum 2.00 GPA is required for all prerequisite coursework.

All candidates must have passed the Writing Proficiency Examination (see pg. 50).

All candidates must also have passed the basic skills component of the Arizona Teacher Proficiency Examination (ATPE). Applications for the ATPE are available in the College of Education Office.

Application procedures and policies are available in an Education Packet at the University bookstore. It is the responsibility of the student to enroll in the proper courses and to follow the policies and procedures in the current College of Education Policy Handbook. Violation of any of the policies of the College of Education will result in a review of the student's status and could result in required remedial activities that would allow for the student's success or the failure to be allowed to continue in the program.

### APPLICATION FOR TEACHER EDUCATION

After completing 45 semester hours, prospective candidates must make written application to the Dean of the College of Education for admission to the Teacher Education Program.

Applications are not processed until they are submitted in complete form and all supporting documents are received. Applicants are responsible for any follow-up necessary for completing their application files. Completed applications are to be on file, four weeks prior to the beginning of the semester or term in which students plan to commence the teacher preparation program. Any application not completed within twelve months will be discarded.

Students will be notified in writing of the action taken on their applications by the Dean representing the College of Education faculty, subject to appeal to the College of Education faculty and the Vice President for Academic Affairs.

Students accepted into the program will be issued a card indicating their acceptance. Since certain methods courses and student teaching are reserved for students who have been accepted into the Teacher Education Program, the card will need to be presented at each registration time by students who wish to enroll in any of the education courses except EDU 303, EDU 313, EDU 363, EED 340, SPE 323, or SED 442.

#### • POLICIES AND PROCEDURES

The policy handbook contained in the application packet specifies all written policies and procedures. Violation of any of the policies of the College of Education may result in a review of the student's status and could result in remedial activities that would allow for the student's success or could result in the inability of the student to continue in the program. Some of the highlights are as follows:

- **Transfer Credits.** All education courses will be reviewed by the College of Education faculty to determine transferability. Once accepted into the Teacher Education Program, or once a student has completed one semester in residence as a full-time student at Grand Canyon University, any subsequent courses the student may wish to transfer for purposes of meeting program requirements for student teaching and/or certification may only be done with prior written permission of the College of Education faculty.
- **Residency Requirements.** Elementary Education majors must

have a total of 30 hours in their major taken in residence at Grand Canyon University of which the following must be included: EED 323, EED 343, EED 403, EED 433, EED 443, EED 463, EED 480, and EDU 430.

Secondary Education student's must have a total of 21 hours in Education taken in residence at Grand Canyon University of which the following must be included: SED 442, SED 443, SED 452, SED 462, SED 480, and EDU 430.

- **Program of Study.** The faculty of the College of Education reserves the right to change a program of study if a student is not competent in an area of teaching.
- **Grade Point Average - GPA.** Any student who receives a grade lower than 2.00 in any education course must petition the faculty of the College of Education in writing for permission to retake that course. Students continuing in the College of Education must maintain a 2.50 GPA overall, at Grand Canyon University, and in the major area of certification.
- **Process of Appeal.** All of the policies and procedures are designed to ensure fairness and consistency for each student as well as to assure prospective employers that students have received a high quality education. However, we do recognize that policies and procedures are not all encompassing and may need to be adapted to individual circumstances. Due to the Guarantee Statement, the appeal process in the College of Education follows this procedure:
  - First - Contact the Instructor of the course if the appeal involves a specific course. If the appeal involves a specific policy, contact your College of Education advisor.
  - Second - Contact the Dean of the College of Education.
  - Third - Petition the College of Education faculty in writing.
  - Fourth - Contact the Vice President for Academic Affairs. Resolution of the appeal could occur at any of the four levels.

It is one of the goals of the College of Education faculty to prepare its graduates for the environment of the K-12 workplace where professionals deal with the issues that arise individually; therefore, it is inappropriate to involve friends and relatives in the appeal process.

- **Professionalism.** The College of Education faculty is seeking to prepare students for a profession. In that regard, the faculty expects students to become aware of what is appropriate to the profession and to conduct themselves in that manner. Among the things that are deemed "professional" are honesty, respect of confidentiality, accepting responsibility for one's own actions, and controlling one's emotions and words in the workplace (classroom, etc.), as reflected in courteous and respectful interactions with students, teachers, and administrators. In the academic/scholarly realm, professional standards primarily involve not representing someone else's work as your own. This precludes such behaviors as plagiarism of published works by others, gaining answers to exam questions by any means other than your own memory, and copying or slightly paraphrasing someone else's answers or work on an assignment, in or out of the classroom.

### APPLICATION FOR STUDENT TEACHING

All students who wished to be placed in student teaching must make written application. Appropriate forms are available from the College of Education Office, located in the Faculty Office Building. A 2.50 GPA at Grand Canyon University, and a 2.50 GPA in the major areas as well as a recommendation from the faculty are prerequisites.

Students must receive a minimum grade of "C" (2.00) in all courses in their major, in education courses, and in University courses which are prerequisites for education courses.

Deadlines for applying for student teaching are as follows:  
 To teach during Fall semester — January 15  
 To teach during Spring semester — September 1

All students must complete eight (8) semester hours, approximately nine (9) weeks, of student teaching in each area of certification.

Student teachers who are not enrolled in a regular program at Grand Canyon University must present a letter of request from the institution sponsoring their certification program. If students are working directly with the State Department of Education for certification, they must petition the College of Education faculty and complete the following:

1. Submit the Official Evaluation form from the State Department of Education;
2. Document passage of the basic skills component of the Arizona Teacher Proficiency Examination (ATPE);
3. Complete 12 hours in Secondary Education at Grand Canyon University to include SED 442, SED 443, SED 452, and SED 462 or 18 hours in Elementary Education to be selected from EED 323, EED 343, EED 403, EED 433, EED 443, and EED 463;
4. Maintain overall GPA of 2.50 and 2.50 in the major area of study at Grand Canyon University.

All students must complete regular matriculation requirements with the Office of the Registrar before entering the Teacher Education Program.

### STUDENT TEACHING SEMESTER

The student teaching semester is offered on a "block" basis. The students complete 12-14 hours of coursework in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 4-6 hours of coursework in professional education. The second block, of 9 weeks duration, is reserved for student teaching and carries 8 hours of credit.

Grand Canyon University provides experience in student teaching through an arrangement made with more than 60 school districts throughout the state. The College of Education attempts to, but cannot guarantee that it will, place students in districts or schools of their choice.

Supervision of the student teacher is performed by the school to which the student is assigned.

The student teaching assignment is an on-site program at the school and the student is expected to follow the same work schedule as the cooperating teacher.

The evaluation of the student teacher's work is a dual responsibility of the University and of the school in which the student teaching is done.

Any student who withdraws from student teaching or any student who does not receive credit for student teaching, must appeal in writing to the faculty of the College of Education for re-admittance. This appeal must include a plan for remediation.

### \* GENERAL STUDIES FOR TEACHER EDUCATION PROGRAMS

Bible:		
OT Survey or OT History		3 hours
NT Survey or NT History		3 hours
English: ENG 101, ENG 102		6 hours
Humanities:		
Dramatic Arts for Teachers (COM 123)		3 hours
Electives Chosen from: Art, Music, Theatre, (Secondary Education)		3 hours
Electives chosen from: Art, Music, Theatre, Dance (Elementary Education)		6 hours
American History (Elementary Ed)		
American History or		
History of 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 (activity courses)		2 hours
Math: MAT 130, MAT 131 (Elementary Ed)		6 hours
Math: MAT 120 or higher (Secondary Ed)		3 hours
Elective chosen from Science, Math or Computer Science (Secondary Ed)		3 hours
Science:		
Lab Science (Secondary Education)		4 hours
Lab Science (Elementary Education)		8 hours
(4 hours in Physical Lab Science and 4 hours in Biology Lab Science - to be selected from: PHY 101, PHY 111, or PHY 112 and BIO 100, BIO 105, BIO 181, or BIO 182)		
** 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) (B.S. DEGREE; Minor Required)

#### General Studies For Teacher Education Programs (above)

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

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

#### Elementary Education Major

* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language	2 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 403	Curriculum and Methods: Mathematics	4 hours
EED 433	Curriculum and Methods: Reading/Decoding	4 hours



EED 443	Reading Practicum in the Elementary School	1 hour
EED 463	Curriculum and Methods: Social Studies	3 hours
**EDU 430	Classroom Management	3 hours
**EDU 420	Orientation to Student Teaching	2 hours
**EED 480	Student Teaching: Elementary School	8 hours

**Total Major Hours 47**

\* Prerequisite to all other education courses  
 \*\* Education Block - These 13 hours of courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9-weeks. It is recommended that no other coursework be taken during the student teaching experience.

**RECOMMENDED ELECTIVES FOR ELEMENTARY TEACHER CANDIDATES:**

ARE 323	Art Media/Methods for the Elementary Teacher	3 hours
CAM/CSC	Computer Science Elective	3 hours
EED 313	Early Childhood Education	3 hours
ENG 473	Children's Literature	3 hours
ENG 471	Adolescent Literature	3 hours
GEO —	Geography Elective	3 hours
HLT 333	School Health Problems	3 hours
MED 381	Music in the Elementary Grades	3 hours
PED 403	Physical Education in Elementary Grades	3 hours
PHI —	Ethics Elective	3 hours

**DEGREE REQUIREMENTS — LEARNING DISABILITIES (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8) (B.S. DEGREE; Minor Required)**

General Studies For Teacher Education Programs (pg. 100)

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

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

**Learning Disabilities Major**

* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
* SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language	2 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 403	Curriculum and Methods: Mathematics	4 hours
EED 433	Curriculum and Methods: Reading/Decoding	4 hours
EED 443	Reading Practicum in the Elementary School	1 hour
EED 463	Curriculum and Methods: Social Studies	3 hours
SPE 353	Survey of Learning Disabilities	3 hours
SPE 363	Methods of Teaching Children with Learning Disabilities	3 hours
SPE 433	Diagnosis of Learning Needs of Exceptional Children	3 hours

SPE —	Elective in Special Education	3 hours
**EDU 430	Classroom Management	3 hours
**EDU 420	Orientation to Student Teaching	2 hours
**SPE 408	Student Teaching: Learning Disabilities	8 hours
**EED 480	Student Teaching: Elementary School	8 hours

**Total Major Hours 67**

\* Prerequisite to all other education courses  
 \*\* Education Block — This sequence is available to Special Education Majors only in the Fall and will overlap into the Spring semester due to the 18 week student teaching requirement. The Block courses EDU 420 and EDU 430 may be taken in the Spring as a prerequisite to the student teaching courses which would begin with the preceeding Fall semester.

**DEGREE REQUIREMENTS — EMOTIONALLY HANDICAPPED (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8) (B.S. DEGREE; Minor Required)**

General Studies For Teacher Education Programs (pg. 100)

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

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

**Emotionally Handicapped Major**

* EDU 303	Foundations of Education	3 hours
EDU 313	Educational Psychology	3 hours
* SPE 323	Orientation to the Exceptional Child	3 hours
EDU 363	Instructional Technology	3 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 340	Emergent Language	2 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 403	Curriculum and Methods: Mathematics	4 hours
EED 433	Curriculum and Methods: Reading/Decoding	4 hours
EED 443	Reading Practicum in the Elementary School	1 hour
EED 463	Curriculum and Methods: Social Studies	3 hours
SPE 383	Survey of Emotional Handicaps	3 hours
SPE 393	Methods of Teaching the Emotionally Handicapped Child	3 hours
SPE 433	Diagnosis of Learning Needs of Exceptional Children	3 hours
SPE —	Elective in Special Education	3 hours
**EDU 430	Classroom Management	3 hours
**EDU 420	Orientation to Student Teaching	2 hours
**SPE 418	Student Teaching: Emotionally Handicapped	8 hours
**EED 480	Student Teaching in the Elementary School	8 hours

**Total Major Hours 67**

\* Prerequisite to all other education courses.  
 \*\* Education Block — This sequence is available to Special Education majors only in the Fall and will overlap into the Spring

semester due to the 18 week student teaching requirement. The Block courses EDU 420 and EDU 430 may be taken in the Spring as a prerequisite to the student teaching courses which would begin with the preceding-Fall semester.

### COURSES FOR SECONDARY CERTIFICATE (Grades 7-12)

(DEGREE DEPENDS ON MAJOR)

* EDU 303	Foundations of Education ✓	3 hours
EDU 313	Educational Psychology ✓	3 hours
* SPE 323	Orientation to the Exceptional Child ✓	3 hours
EDU 363	Instructional Technology ✓	2 hours
SED 442	Secondary Methods ✓	3 hours
EDU 413	Tests and Measurements ✓	2 hours
SED 452	Learning Strategies for Secondary School	3 hours
SED 462	Secondary Practicum	2 hours
**EDU 430	Classroom Management	3 hours
**SED 443	Secondary Curriculum Development	2 hours
**EDU 420	Orientation to Student Teaching	2 hours
**SED 480	Student Teaching: Secondary School	8 hours

**Total Secondary Certification Hours      36**

\* Prerequisite to all other education courses.

\*\* Education Block — These 15 hours of courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9 weeks. It is recommended that no other coursework be taken during the student teaching experience.

The student's major, required for graduation, is his or her major teaching field. Certifiable majors are defined on page 98.

All students interested in teaching at the secondary level must have an advisor from the College of Education faculty as well as an advisor from the major field of study.

The minor, also required for graduation, is recommended to be 24 semester hours, rather than the usual 18. A minor is not required for secondary certification for students majoring in art education or music education. Students should confer with faculty personnel in the minor department.

### FIFTH YEAR PROGRAM

The Teacher Education Program has been extended to include a fifth year of preparation to meet current Arizona teacher certification requirements. Students who have previously earned a bachelor's degree from a regionally accredited institution are recommended for standard certification after successful completion of a fifth year program of at least 40-47 semester hours of upper division work in appropriate professional education, academic preparation, and/or supervised student teaching experience. Policies and requirements for admission to the program are the same as those noted for degree candidates.

### GRADUATE STUDIES

The graduate program was designed to enhance the professional performance of the teacher in the K-12 classroom. The Master of Arts in Education (M.A.) degree was designed for the advanced preparation of practicing elementary and secondary teachers. The Master of Education (M.Ed.) degree was designed for the preparation of Certification for the first time at the elementary and

secondary level. The application procedures are the same for both programs; however, the M.Ed. student will follow the policies and procedures regarding the undergraduate student as well as the policies and procedures regarding the graduate student.

### GRADUATE CURRICULUM

The courses in the M.Ed. program are planned to provide curricula for the certification of elementary teachers (grades K-8) and secondary teachers (grades 7-12) as well as advanced study. It may be possible for the M.Ed. student to complete certification requirements within 12 to 18 months of full-time study and return the following years to complete the master's degree coursework. It is the responsibility of the graduate student to enroll in the proper courses and follow the policies and procedures of the graduate program. An advisor in the College of Education is available for consultation; however, **it is the responsibility of the graduate student to enroll in the proper courses and follow the policies and procedures as stated in the current College of Education Policy Handbook.**

The courses in the M.A. program are designed to provide advanced study in a specialized area of education. Coursework is presently offered in the following areas:

1. Elementary Education
2. Gifted Education\*
3. Reading Education\*
4. Teaching English as a Second Language\*
5. Urban Education

\* Certification Requirements for the Arizona Department of Education are included in these programs of study.

Graduate students who wish to specialize in an area commonly taught at the secondary level (grades 7-12) are encouraged to begin their program of study at Grand Canyon University as we continue to develop new programs. Other areas in developmental stages include Bilingual Education and Early Childhood Education.

The Los Angeles, California, urban area offers a unique multi-cultural field site for the M.A. degree program for Urban Education. The program is designed for Christian professionals who desire to become educators within an urban cultural context, rather than a K-12 classroom, while simultaneously continuing their professional work. The urban educator will assist others in the cultural community to define and analyze a situation; define the unique needs of individuals, groups, and organizations; assist people to become effective learners; and to empower people to become change agents in their own society. The students in this program will participate in coursework and field experience in the Los Angeles area as well as attend classes at Grand Canyon University in Phoenix.

### APPLICATION PROCEDURES FOR GRADUATE STUDIES

#### ELIGIBILITY FOR ADMISSION

Graduate students secure an admissions packet from the Graduate Office in the College of Education. Nine hours of graduate credit may be taken prior to admission to the master's program in the College of Education. Further clarification of the following requirements are contained in the admissions packet.

Master of Education (M.Ed.) candidates must submit to the Graduate Office in the College of Education:

1. Graduate Application;
2. A passing score on the Basic Skills Component of the Arizona Teacher Proficiency Examination (ATPE);
3. A passing score on the Writing Proficiency Examination;
4. A 2.50 cumulative GPA as well as a 2.50 GPA in the major area of desired certification: Any grade in the certifiable major area below a grade of "C" must be retaken at Grand Canyon University. A certifiable major in secondary education is determined by the Arizona Department of Education as any course of study that is commonly taught in grades 7-12 in the public schools in Arizona;
5. Three references;
6. Official transcripts from 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); waived for applicants with an undergraduate GPA of 3.00 or above.
3. A 2.80 cumulative GPA as well as a 2.80 GPA in the major area of certification;
4. Copy of current teaching certificate;
5. 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.

Once the student is accepted into the graduate program, the candidate has eight years to complete the program of study. Additional course requirements may be imposed at the discretion of the graduate committee if the program extends beyond this time limit.

All graduate students must maintain a 3.00 GPA. 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
Art, Music, Theatre, Dance	9 hours
U. S. History, Western Civilization, or Geography	6 hours
Federal and Arizona Government	3 hours
General Psychology	3 hours
Child Psychology (Recommended)	3 hours
Educational Psychology	3 hours
Lab Science	8 hours
(4 hours in Physical Lab Science and 4 hours in Biology Lab Science: Recommended PHY 101, PHY 111, or PHY 112 and BIO 100, BIO 105, BIO 181, or BIO 182)	
Mathematics (MAT 130, MAT 131)	6 hours

**PROFESSIONAL PREPARATION REQUIREMENTS:**

Complete prior to Certification — 44 hours		
EDU 570	Philosophical/Social Issues	3 hours
EDU 363	Instructional Technology	3 hours
SPE 323	Orientation to the Exceptional Child	3 hours
EED 340	Emergent Language	2 hours
EED 323	Curriculum and Methods: Science	3 hours
EED 343	Curriculum and Methods: Language Arts	3 hours
EDU 413	Tests and Measurements	2 hours
EED 563	Curriculum and Methods: Social Studies	3 hours
EED 503	Curriculum and Methods: Mathematics	4 hours
* EED 533	Curriculum and Methods: Reading/Decoding	4 hours
* EED 443	Reading: Practicum	1 hours
**EDU 430	Classroom Management	3 hours
**EDU 420	Orientation to Student Teaching	2 hours
**EED 480	Student Teaching	8 hours

Complete after Certification — 18 hours		
— —	Approved Elective at the 500 level	2 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship or	
EDU 699	Independent Study	2 hours

**Total Degree Hours 62**

\* These courses must be taken concurrently. Acceptance into the Master of Education Degree Program is required.

\*\* These courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9-weeks. It is recommended that no other coursework be taken during the student teaching experience.

**PROGRAM OF STUDY FOR  
SECONDARY CERTIFICATION (Grades 7-12)**

**GENERAL EDUCATION PREREQUISITES  
FOR CERTIFICATION:**

English	6 hours
Humanities and/or Speech	3 hours
Federal and Arizona Government	3 hours
General Psychology	3 hours
Adolescent Psychology (Recommended)	3 hours
Educational Psychology	3 hours
Science or Mathematics	3-4 hours

**PROFESSIONAL PREPARATION REQUIREMENTS:**

Complete prior to Certification — 33 hours		
EDU 570	Philosophical/Social Issues	3 hours
EDU 363	Instructional Technology	2 hours
SPE 323	Orientation to the Exceptional Child	3 hours
SED 442	Secondary Methods	3 hours
EDU 413	Tests and Measurements	2 hours

* SED 552	Learning Strategies for the Secondary School	3 hours
* SED 462	Secondary Practicum	2 hours
**EDU 430	Classroom Management	3 hours
**SED 543	Secondary Curriculum	2 hours
**EDU 420	Orientation to Student Teaching	2 hours
**SED 480	Student Teaching	8 hours

Complete after	Certification — 22 hours	
— —	Approved Electives at the 500 level	6 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship or	
EDU 699	Independent Study	2 hours

**Total Degree Hours** 55

\* These courses must be taken concurrently. Acceptance into the Master of Education Degree Program is required.

\*\* These courses are taught on a 6-week block basis so that student teaching can be for a full day the other 9-weeks. It is recommended that no other coursework be taken during the student teaching experience.

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

#### PROGRAM OF STUDY FOR ELEMENTARY EDUCATION

##### PREREQUISITES:

Elementary Education Certification  
Admittance to M.A. Program

##### CORE EDUCATION REQUIREMENTS:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship or	
EDU 699	Independent Study	2 hours

##### ELEMENTARY EDUCATION REQUIREMENTS:

— —	Approved Elective at 500 level	3 hours
— —	Content Area Specialization Courses	6 hours
EED 583	Elementary School Mathematics	3 hours
EED 584	Elementary School Science	3 hours
RDG 503	Foundations in Reading or	
RDG 504	Innovative Reading Programs or	
RDG 606	Research in Reading	3 hours

**Total Degree Hours** 37

#### \* PROGRAM OF STUDY FOR GIFTED EDUCATION

##### PREREQUISITES:

Elementary or Secondary Education Certification  
Admittance to the M.A. Program  
Academic area of study

9 hours

##### CORE EDUCATION REQUIREMENTS:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours

##### GIFTED EDUCATION REQUIREMENTS:

SPE 500	The Gifted Child	3 hours
SPE 515	Teaching the Gifted Student	3 hours
SPE 520	Instructional Strategies in Gifted Education	3 hours
SPE 525	Curriculum Development in Gifted Education	3 hours
SPE 533	Diagnosis of Learning Needs of Exceptional Children	3 hours
SPE 580	Internship in Gifted Education	6 hours

**Total Degree Hours** 38

\* Compliance with the Arizona Department of Education Gifted Endorsement (valid for grade level of teaching) Certificate.

#### \* PROGRAM OF STUDY FOR READING EDUCATION

##### PREREQUISITES:

Elementary, Secondary, or Special Education Certification  
EED 433/533 Curriculum and Methods: Reading  
SED 452/552 Learning Strategies for Secondary School  
Admittance to the M.A. Program

##### CORE EDUCATION REQUIREMENTS:

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours

##### READING EDUCATION REQUIREMENTS:

ENG 471/571	Adolescent Literature or	
ENG 473/573	Children's Literature and Storytelling	3 hours
RDG 503	Foundations in Reading	3 hours
RDG 504	Innovative Reading Programs	3 hours
RDG 505	Diagnosis and Remediation of Reading Problems	3 hours
RDG 606	Research in Reading	3 hours
RDG 680	Internship in Reading	3 hours

**Total Degree Hours** 35

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

**PROGRAM OF STUDY FOR SECONDARY TEACHERS with an area of specialization will be designed in conjunction with the Assistant Dean for Graduate Studies.**

**\* PROGRAM OF STUDY FOR TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)**

**PREREQUISITES:**

Elementary or Secondary Certification  
Admittance to the M.A. Program

**Undergraduate Requirements:**

Foreign Language 6 hours or passage of Arizona classroom proficiency exam

**CORE EDUCATION REQUIREMENTS:**

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 598	Masters Seminars	3 hours
EDU 612	Curriculum Issues/Innovations	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing in ESL	2 hours
EDU 615	Professional Writing (optional)	2 hours

**ENGLISH AS A SECOND LANGUAGE REQUIREMENTS:**

ESL 514	Inter-Cultural Communications	3 hours
ESL 520	Emergent Language and Beginning Linguistics	3 hours
ESL 523	English Language Teaching Foundations and Methodology	3 hours
ESL 530	Advanced Grammar for English Language Teaching	3 hours
ESL 610	Advanced Language Teaching Methodologies and Assessment	3 hours
ESL 611	Language Teaching Curriculum and Materials Design	3 hours
ESL 680	Internship in ESL or TESL	3 hours

**Total Degree Hours 38**

\* Compliance with the Arizona Department of Education ESL Endorsement (valid for grade level of teaching) Certificate.

**\* PROGRAM OF STUDY FOR URBAN EDUCATION**

**PREREQUISITES:**

Bachelor's Degree  
Admittance to the M.A. Program

**CORE EDUCATION REQUIREMENTS:**

EDU 570	Philosophical/Social Issues	3 hours
EDU 571	Psychological Issues	3 hours
EDU 572	Leadership Development	3 hours
EDU 598	Masters Seminars	3 hours
EDU 613	Educational Research	3 hours
EDU 614	Research and Writing	2 hours
EDU 615	Professional Writing (optional)	2 hours
EDU 680	Internship	2 hours

**URBAN EDUCATION REQUIREMENTS:**

URB 500	The City: The Urban Educator's Classroom	3 hours
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URB 501	Unfolding the Logos of World Civilization	3 hours
URB 502	Urban Social Change	3 hours
URB 503	Counseling and Development in a Multicultural Context	3 hours
URB 504	The Urban Educator's Worldview	3 hours
URB 505	The Nature of the Non-Western World	3 hours

**Total Degree Hours 37**

\* This program does not lead to K-12 certification for teaching. Grand Canyon University reserves the right to delay the program if enrollment does not meet the minimum requirement. The URB courses as well as EDU 572 will be taught at the Los Angeles Field Site in California.

**EDUCATION**

**EDU 103 3 hours**  
**Learning Strategies for College Success**

Every semester. Designed to reinforce and develop the reading/learning strategies needed for success in college courses. Emphasis is placed on comprehension, vocabulary development, writing process, study strategies, effective reading techniques, time management and test-taking techniques. Literature studies included.

**EDU 113 3 hours**  
**Learning Strategies for College Success**

Every semester. Continuation of EDU 103 for those students desiring further development in this area.

**EDU 202 2 hours**  
**Overcoming Math Anxiety**

Every Summer. Designed to help math-anxious students to trace the origins of their fears and work at conquering them. Myths about mathematics achievement will be discussed and put to rest. Emphasis will be placed on strategies needed to reduce math anxiety including relaxation training, self-monitoring, positive affirmation, math visualization techniques and group discussion of difficulties in confronting mathematics.

**EDU 303 3 hours**  
**Foundations of Education**

Every semester. A study of the historical, philosophical and sociological influences which have shaped American education, the issues faced by educators today, and the challenges of the future which await persons now entering the teaching profession. The course is designed for students who have already committed themselves to a career in education or are exploring a career in education. Includes a first phase observation in the K-12 classroom. Prerequisite: Sophomore status.

**EDU 313 3 hours**  
**Educational Psychology**

Every semester and every Summer. A thematically arranged study of the theories and principles of psychology which have influenced instructional practices. Behavioral and cognitive approaches to learning, motivation and instruction are explored. Prerequisites: PSY 101.

**EDU 355** **3 hours****Using Computers in the Classroom**

Fall, 1993, and alternate years. This course will provide a basic knowledge of computers as related to education: How they work, what they can do for us and current issues in all teaching disciplines. It will also give practical experience enabling the student to use the computer as a tool in teaching.

**EDU 363** **2 - 3 hours****Instructional Technology**

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

**EDU 396** **2 hours****Education Tutoring**

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

**EDU 413** **2 hours****Tests and Measurements**

Every semester and every Summer. Deals with the philosophy of testing, the construction of tests, and the actual administration and interpretation of tests. Examination of sample tests. Students select either high school or elementary tests for study and engage in test construction in either field. Prerequisites: EED 323 or EED 343 or SED 442, EDU 303 or EDU 570, EDU 313 and admittance to the teacher education program.

**EDU 420** **2 hours****Orientation to Student Teaching**

Every semester. Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences. Administrators and supervisors from public schools are invited to participate in this orientation as are other professional personnel. Additional instruction is given by the faculty of the College of Education. Prerequisites: All required courses for certification except EDU 430, SED 443 and student teaching.

**EDU 430** **3 hours****Classroom Management**

Every Fall and every Spring. Designed to allow the prospective teacher the opportunity to learn techniques involved in the successful management of a learning environment. Major emphasis is given to the establishment of a realistic discipline plan. Prerequisites: All required courses for certification except EDU 420, SED 443 or SED 543 and student teaching.

**EDU 444** **3 hours****Middle School Curriculum**

Every Summer. This course will explore the distinctions between elementary, secondary, and middle schooling in order to gain a broad, yet solid, view of the elements that must be considered as schools attempt to develop programs and curricula more appropriate for young adolescents.

**EDU 463** **3 hours****Presentational Technology**

Every Spring. This course provides students with an in-depth exposure to a wide-range of presentational techniques and visual aids, ranging from simple visuals to computer-generated slide shows. Emphasis will be given to audience analysis, medium selection and platform presentation skills practice. This course is designed primarily for majors in Human Resource Development, Communications, and Business. Prerequisites: CAM 180A, CAM 180B, SPC 113.

**EDU 570** **3 hours****Philosophical/Social Issues in Education**

Every semester and every Summer. Designed to acquaint the student with the philosophical basis upon which educational theories and practices are constructed and the societal issues and problems that are involved in the education system. Prerequisite: Bachelor's degree.

**EDU 571** **3 hours****Psychological Issues**

Every semester and every Summer. Psychological topics will focus on classical and modern theories of learning. Inherent in the course is a study of the most recent issues in educational psychology concerning the learner, and learning process, the learning situation and research in educational psychology. Case studies drawn from realistic classroom situations will provide an opportunity for the practitioner to test the applicability of the theories. Prerequisites: Bachelor's degree, EDU 313.

**EDU 572** **3 hours****Leadership Development**

Fall, 1994, and alternate years. Various models, definitions, and case studies of leadership are examined within the context of the educational spectrum. The different roles and character formation of the leader are presented. Both the theory and methods of mentoring are studied as essential for the multiplication of strategically-minded leaders. Prerequisites: Admittance to the M.A. Program, EDU 570, EDU 571.

**EDU 580/680** **1 - 2 hours****Internship**

Every semester and every Summer on demand. This course is designed for the student to spend 45-90 clock hours in a K-12 classroom setting and/or college classroom setting. The student will demonstrate competence at a master teacher level. Supervision will be provided by administrator, College of Education faculty and/or peer teacher. Prerequisites: Near completion of the M.Ed. or M.A. program, EDU 570, EDU 571, EDU 612.

**EDU 598** **1 hour****Masters Seminars**

Every semester and every Summer on demand. The Masters Seminar provides a forum for scholarly exchange among students at the M.Ed. or M.A. level. This exchange includes student presentations, guest lecturers, faculty presentations, or other mini-courses deemed necessary for the well-rounded and prepared Master's candidate. A minimum of three Masters Seminars are required for both the M.Ed. and M.A. program. Prerequisite: EDU 303 or EDU 570 or Senior (undergraduate) status with a 3.00 GPA or Bachelor's degree.

**EDU 599/699** 1 - 2 hours  
**Independent Study**

Every semester and every Summer on demand. This course allows participants to design their own course objectives to meet individual needs in regard to curriculum design in a K-12 classroom. Prerequisites: Near completion of the M.Ed. or M.A. program, EDU 570, EDU 571, EDU 612.

**EDU 612** 3 hours  
**Curriculum Issues and Innovations**

Every Spring and every Summer on demand. This course will look beyond the technological, or measured curriculum. It will address many important goals for students such as learning how to learn, problem solving and functioning effectively and humanely in a pluralistic society. Alternative approaches to curriculum will be investigated. Prerequisites: SED 443 or SED 543 or EED 463 or EED 563, Bachelor's degree and teaching certificate.

**EDU 613** 3 hours  
**Educational Research**

Every Fall and on demand. Educational Research is a graduate course designed specifically to develop an appreciation of educational research. This course will examine approaches to research. Prerequisites: Admittance to the M.Ed. or M.A. program, EDU 413, EDU 570.

**EDU 614** 2 hours  
**Research and Writing**

Every Spring and on demand. Incorporating "active learning" principles within a theoretical context will be the essence of the course. The practitioner in the field will have the opportunity to explore one educational problem in depth and one appropriate research methodology. That problem and methodology will be presented as a research proposal. Prerequisites: Admittance to the M.Ed. or M.A. program and EDU 613, EDU 570, EDU 571.

**EDU 615** 2 hours  
**Professional Writing**

On demand. The practitioner in the field will have the opportunity to write and submit a paper to a professional audience. The research proposal from EDU 614 can be implemented and presented, or the student may choose another area of educational concern. Prerequisites: Admittance to the M.Ed. or M.A. program and EDU 570, EDU 571, EDU 598, EDU 612, EDU 613, EDU 614.

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## ELEMENTARY EDUCATION

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**EED 313** 3 hours  
**Early Childhood Education**

Every Spring on demand. Considers philosophy, principles, practices, and problems of curriculum at the nursery-kindergarten level. Approaches to creative teaching and learning through motivation, environmental changes and experimentation.

**EED 323** 3 hours  
**Curriculum and Methods: Science**

Every semester and every Summer. Designed to acquaint the elementary teacher with the curriculum and the effective techniques for the teaching of science. The student is involved in planning instruction, employing science programs that are currently being used in the public schools and using instructional models. Laboratory experiences. Prerequisites: PSY 353, EDU 303 or EDU 570, two laboratory science courses, EDU 313, COM 123 and admittance to the teacher education program.

**EED 340** 2 hours  
**Emergent Language**

Every semester and every Summer. This course is designed to familiarize students with emergent language and early linguistic development. Emphasis will be placed on oral and written language development and the implications of this development on language, learning, curriculum, transformational grammar and patterns of communication among cultures. Prerequisite: Sophomore status.

**EED 343** 3 hours  
**Curriculum and Methods: Language Arts**

Every semester and every Summer. This course is designed to familiarize the student with language arts skills. Emphasis will be placed on new approaches in teaching and developing creative activities to involve students in the language arts curriculum. Laboratory experiences will include multicultural classrooms. Prerequisites: EDU 303 or EDU 570, EED 340, ENG 101, ENG 102, COM 123 and admittance to the teacher education program.

**EED 403** 4 hours  
**Curriculum and Methods: Mathematics**

Every semester. The student is involved in the formulation of programs for the individual child to teach the theory and practice of elementary mathematics. Utilization of games in the classroom, manipulative materials, and mathematics curriculum in the elementary school are examined. Prerequisites: EDU 303, EDU 313, EED 323, MAT 130, MAT 131, Senior status and admittance to the teacher education program.

**EED 433** 4 hours  
**Curriculum and Methods: Reading/Decoding**

Every semester. Techniques for teaching all aspects of reading through various approaches as well as emphasizing how to develop life-long readers. Must be taken concurrently with EED 443. Prerequisites: EDU 303, EED 340, EED 343, Senior status and admittance to the teacher education program.

**EED 443** 1 hours  
**Reading Practicum in the Elementary School**

Every semester. A school-centered practicum (to include decoding) designed to provide prospective teachers with teaching experience in reading over the length of one semester in a school classroom. Taken concurrently with EED 433. Prerequisites: EDU 303 or EDU 570, EED 340, EED 343, Senior status and admittance to the teacher education program.

**EED 463** **3 hours**  
**Curriculum and Methods: Social Studies**

Every semester and every Summer. This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, materials and resources available, and current developments in the field. Laboratory experiences will include multicultural classrooms. Prerequisites: EDU 303, EDU 313, EED 323, EED 340, EED 343, HIS 103, HIS 104, POS 203, Senior status and admittance to the teacher education program.

**EED 480** **8 hours**  
**Student Teaching: Elementary School**

Every semester. The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for elementary certificate, a 2.50 GPA, admission to the teacher education program, and Senior status. Credit only, no grade is given.

**EED 503** **3 hours**  
**Curriculum and Methods: Mathematics**

Every semester. The formulation of programs for the individual child in order to teach the theory and practice of elementary mathematics is an integral part of this course. The utilization of games in the classroom, manipulative materials and the mathematics curriculum in the elementary school is included as part of the course content. Theory and practice will be correlated through research topics. Prerequisites: MAT 113, MAT 114, EDU 570, EDU 571, EED 323 and admittance to the M.Ed. program.

**EED 533** **4 hours**  
**Curriculum and Methods: Reading/Decoding**

Every semester. Techniques for teaching all aspects of reading through various approaches as well as emphasizing how to develop life-long readers. Current reading theory and research will be addressed and incorporated throughout the course. Consideration will be given to multicultural issues. EED 443 must be taken concurrently. Prerequisites: EDU 570, EED 340, EED 343 and admittance to the M.Ed. program

**EED 563** **3 hours**  
**Curriculum and Methods: Social Studies**

Every semester and every Summer. This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, available materials and resources, and current developments in the field. Laboratory experiences will include multicultural classrooms. Prerequisites: EED 323, EED 340, EED 343, EDU 570, EDU 571, HIS 103, HIS 104, POS 203 and admittance to the M.Ed. program.

**EED 583** **3 hours**  
**Elementary School Mathematics**

Every Spring on demand. Contemporary mathematics programs in relation to content, materials and teaching strategies will be explored. Development of a math curriculum will enable K-8 students to gain mathematical competency according to their respective capabilities. Prerequisites: EED 403 or EED 503 and Elementary, Secondary or Special Education Certificate.

**EED 584** **3 hours**  
**Elementary School Science**

Every Fall on demand. A personal view of science and how it has shaped the way we think and behave will be explored. A teaching philosophy will be derived from the discipline of science and the way students learn. Application to the classroom will be an integral aspect of the course. Prerequisites: EED 323 and Elementary, Secondary or Special Education Certificate.

**READING EDUCATION****RDG 503** **3 hours**  
**Foundations in Reading**

Every Summer. 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** **3 hours**  
**Innovative Reading Programs**

Every Fall. This course critically examines current new practices and developing innovations in the field of Reading Education. A minimum of three areas of current promise and/or concern for the practitioner will be explored in depth each semester. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433/533, SED 452/552.

**RDG 505** **3 hours**  
**Diagnosis and Remediation of Reading Problems**

Every Summer. The ability to measure a reader's reading comprehension, logical language production, ability to deal with the grammatical structures of printed language, word recognition and word identification are all important components of this course. Prescribing, planning and implementing measures to remediate deficiencies in one or more of these areas is included as part of the course. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433/533, SED 452/552, RDG 503, RDG 504.

**RDG 606** **3 hours**  
**Research in Reading**

Every Spring. This course will take an in-depth look at reading research and how it applies to the classroom. Prerequisites: Elementary, Secondary, or Special Education Certificate, EED 433 or EED 533, SED 452 or SED 552, RDG 503, RDG 504, RDG 505.

**RDG 680** **3 hours**  
**Internship in Reading**

Every semester. This course is designed for the student to spend 130 clock hours in a K-12 school or district-wide setting. The student will be involved with reading program development and supervision, and must demonstrate competence at a master teacher level. Supervision will be conducted/provided by the College of Education reading faculty and/or cooperating administrator in the field. Prerequisites: Elementary, Secondary, or Special Education Certificate, EDU 613, EED 433/533, SED 452/552, RDG 503, RDG 504, RDG 505, RDG 606 and admittance to the M.A. program.



**ENG 571** **3 hours**  
**Adolescent Literature**

Every Spring. A course for students who wish to read and examine literature being written for adolescents. A variety of adolescent literature from outstanding authors will be studied. Prerequisite: Bachelor's degree.

**ENG 573** **3 hours**  
**Children's Literature and Storytelling**

Every Fall. Also **ENG 473**. All types of children's literature from outstanding authors are surveyed through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of storytelling are also studied. Prerequisite: Bachelor's degree.

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**SECONDARY EDUCATION**

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**SED 442** **3 hours**  
**Secondary Methods**

Every semester and every Summer. Designed to help teachers and prospective teachers of young adults to find their own teaching style and recognize the different learning styles of their students in order to make appropriate decisions about all aspects of the teaching act. Emphasis is given to teaching methodology which encourages problem-solving and active participation. Prerequisites: COM 123, EDU 303 or EDU 570 and EDU 313 may be taken concurrently.

**SED 443** **2 hours**  
**Secondary Curriculum Development**

Every semester and every Summer. A study of secondary school curriculum development. Consideration is also given to development of curriculum for adult learners as needed for Human Resource Development students. Major emphasis is given to planning instructional objectives, lesson planning and developing a model curriculum. Prerequisites: PSY 373, EDU 303, EDU 313, SED 442, SED 452, SED 462, and admittance to the teacher education program or human resource development program. Human Resource Development majors take this concurrently with HRD 301.

**SED 452** **3 hours**  
**Learning Strategies for the Secondary School**

Every semester. This course is designed to help secondary and upper elementary teachers become aware of the reading/learning skills needed to be successful in content classes. Must be taken concurrently with SED 462. Prerequisites: EDU 303, EDU 313 and admittance to the teacher education program.

**SED 462** **2 hours**  
**Secondary Practicum**

Every semester. A school-centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students and classroom teachers at a multicultural school site. Must be taken concurrently with SED 452. Prerequisites: EDU 303 or EDU 570, EDU 313 and admittance to the teacher education program.

**SED 480** **8 hours**  
**Student Teaching: Secondary School**

Every semester. The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. Prerequisites: Required courses for a secondary certificate, completed major, a 2.50 GPA, admission to the teacher education program, and Senior status. Credit only, no grade is given.

**SED 543** **2 hours**  
**Secondary Curriculum Development**

Every semester and every Summer. Various orientations to curriculum development will be investigated. Emphasis is given to planning instructional objectives and developing a model curriculum. Prerequisites: EDU 570, EDU 313 or EDU 571, SED 442, SED 552, SED 362 and admittance to the M.Ed. program.

**SED 552** **3 hours**  
**Learning Strategies for the Secondary School**

Every semester. This course is designed to help secondary teachers become aware of reading/learning needs of high school students. Investigation into secondary reading programs and the designing of a program that integrates content and reading is also a component of this course. Must be taken concurrently with SED 462. Prerequisites: EDU 570, EDU 313 or EDU 571 and admittance to the M.Ed. program.

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**SPECIAL EDUCATION**

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**SPE 323** **3 hours**  
**Orientation to the Exceptional Child**

Every semester. This course is a survey of the unique learning needs of exceptional students. Prerequisite: PSY 101.

**SPE 353** **3 hours**  
**Survey of Learning Disabilities**

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

**SPE 363** **3 hours**  
**Methods of Teaching Children with Learning Disabilities**

Every Fall, and even year Summers. Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. Prerequisites: SPE 323, SPE 353, and admittance to the teacher education program.

**SPE 383** **3 hours**  
**Survey of Educating Children with Emotional Handicaps**

Every Fall, and even year Summers. A general study of characteristics of emotionally handicapped or socially maladjusted individuals and educational programs available for them. Prerequisite: SPE 323.

**SPE 393** **3 hours**  
**Methods of Teaching the Emotionally Handicapped Child**

Every Spring, and odd year Summers. Methods and techniques of planning and implementing instructional programs for children with emotional handicaps. Prerequisites: SPE 323, SPE 383 and admittance to the teacher education program.

**SPE 408** **8 hours**  
**Student Teaching in Special Education:**  
**Learning Disabilities**  
 Every semester. A practicum course designed to give the student teacher experience in teaching children with learning disabilities. All-day assignment for nine weeks in an approved school. Prerequisites: Required courses for Special Education Certificate, a 2.50 GPA and admission to the teacher education program. Credit only, no grade is given.

**SPE 418** **8 hours**  
**Student Teaching in Special Education:**  
**Emotionally Handicapped**  
 Every semester. A practicum course designed to give the student teacher experience in teaching children with emotional handicaps. All-day assignment for nine weeks in an approved school. Prerequisites: Required courses for Special Education Certificate, a 2.50 GPA and admission to the teacher education program. Credit only, no grade is given.

**SPE 433** **3 hours**  
**Diagnosis of Learning Needs of Exceptional Children**  
 Every Spring. Characteristics and uses of diagnostic instruments which can be used to identify, evaluate, and assess learning needs of exceptional students. Prerequisites: SPE 323 and admittance to the teacher education program.

**SPE 500** **3 hours**  
**The Gifted Child**  
 Every Summer on demand. This course is essential for educators contemplating working with gifted and talented children. Its content encompasses philosophy, history, research, characteristics, educational programs, and screening and identification techniques. Prerequisite: Senior status or graduate student.

**SPE 515** **3 hours**  
**Teaching the Gifted Child**  
 Every Fall on demand. The approach to teaching and selection of subject matter for the gifted should be identifiably different. There are several teaching/learning models, which if applied, will enable the teacher to make content, process, product, and learning environment modifications for the gifted. The goal of this course is to teach, through examples and informational products, a variety of the methods for teaching gifted individuals. Prerequisite: SPE 500.

**SPE 520** **3 hours**  
**Instructional Strategies in Gifted Educaiton**  
 Every Spring on demand. This course delineates diagnostic and prescriptive approaches for meeting the instructional needs of gifted/talented students. Teaching strategies and curricular materials will be examined to determine their appropriateness for the gifted/talented. Prerequisites: SPE 500, SPE 515.

**SPE 525** **3 hours**  
**Curriculum Development in Gifted Education**  
 Every Summer on demand. This is designed for teachers of the gifted who have completed the basic courses in teaching the gifted. It provides a structured format for assisting the teacher in developing a curriculum for gifted and talented students. Students enrolling in this course are given individual assistance and feedback and are provided with weekly seminars on topics identified as useful in helping with their step-by-step curriculum development. Prerequisites: SPE 500, SPE 515, SPE 520.

**SPE 533** **3 hours**  
**Diagnosis of Learning Needs of Exceptional Children**  
 Every Spring. Characteristics and uses of diagnostic instruments which can be used to identify, evaluate, and assess learning needs of exceptional students. Prerequisite: SPE 323.

**SPE 580/680** **6 hours**  
**Internship in Gifted Education**  
 Every semester and Summer on demand. The student is assigned to an approved, experienced teacher or coordinator of programs for the gifted for six weeks. The internship is individualized and arrangements are based on student needs. Prerequisites: 12 hours in SPE 500, SPE 515, SPE 520, SPE 525, or SPE 533 and EDU 613.

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## TEACHING ENGLISH AS A SECOND LANGUAGE

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**ESL 514** **3 hours**  
**Inter-Cultural Communications**  
 Fall on demand. This course seeks to provide a framework upon which individuals can build a culturally appropriate approach to crosscultural exchange. The course will provide students with skills for understanding people of other cultures through the examination of demographics of a targeted culture and population.

**ESL 520** **3 hours**  
**Emergent Language and Beginning Linguistics**  
 Every semester on demand. This course is designed to familiarize students with emergent language and early linguistic development. Emphasis will be placed on oral and written language development and the implications of this development on language, learning, curriculum, transformational grammar and patterns of communication among cultures.

**ESL 523** **3 hours**  
**English Language Teaching Foundations and Methodologies**  
 Every Summer on demand. Through this course the historical, legal, theoretical, and sociological foundations of programs of instruction for non-English language background students are presented. The study of models, prototypes and methodologies for ESL instruction is included.

**ESL 530** **3 hours**  
**Advanced Grammar for English Language Teaching**  
 Fall on demand. A descriptive grammar of English, this course is specifically designed to aid teacher's understanding of the nature of language and the processes of language use.

**ESL 580/680** **3 hours**  
**Internship in ESL or TESL**  
 Every semester on demand. The student is assigned to an approved, experienced teacher or coordinator of programs for ESL or TESL for four weeks. The internship is individualized and arrangements can be made based on student needs. Prerequisites: ESL 514, ESL 520, ESL 523.

**ESL 610** **3 hours**

**Advanced Language Teaching Methodologies and Assessment**

Spring on demand. A thorough examination of available methodologies, underlying philosophies, and assessment procedures. Included are lessons in teaching the four recognized skill areas (listening, speaking, reading, writing) within the content areas and the use of standard tests. Prerequisite: ESL 523.

**ESL 611** **3 hours**

**Language Teaching Curriculum and Materials Design**

Summer on demand. An integration of general school curriculum, materials, and the specific English language teaching goals and actual design and rendering of instructional materials. Prerequisite: ESL 523.

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## URBAN EDUCATION

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**URB 500** **3 hours**

**The City: The Urban Educator's Classroom**

Fall, 1993, and alternate years. Historically, the city has been the center of learning for all major cultures, and has impacted the very nature and process by which learning occurs. As an introduction, this course is designed to familiarize the educator with an historical and global overview of the emerging urban world, and the unique role of the educator in responding to God's mandate to minister in the city. Prerequisite: Admittance to the M.A. program.

**URB 501** **3 hours**

**Unfolding the Logos of World Civilization**

Fall, 1993, and alternate years. This course explores the logos of world civilization as seen from historical, Biblical, cultural and strategic perspectives. As a foundational course for the M.A. in Urban Education, it is not only intended to convey information, but to precipitate transformation of the student's world view. Prerequisite: Admittance to the M.A. program.

**URB 502** **3 hours**

**Urban Social Change**

Spring, 1994, and alternate years. An exploration of the literature and contemporary case studies of the Christian urban educator as a change agent, holistic catalyst and mentor. Attention is given to the analysis of social transformation through the creation of committed communities. Prerequisites: Admittance to the M.A. program and Masters Seminar: Decoding the City, URB 500, URB 501.

**URB 503** **3 hours**

**Counseling and Development in a Multicultural Context**

Spring, 1994, and alternate years. This course is designed to familiarize the student with various schools of counseling thought. Focusing on both practice and theory and highlighting cross-cultural elements, this course will equip the educator with basic counseling, consulting and problem-solving skills. Prerequisites: Admittance to the M.A. program, URB 500, URB 501.

**URB 504** **3 hours**

**The Urban Educator's Worldview**

Fall, 1994, and alternate years. Designed to train the educator to analyze and articulate his or her own presuppositions, norms and values from a Judeo-Christian framework in order to provide an evaluative base of other worldview systems and educational proposals. Prerequisites: Admittance to the M.A. program, URB 502, URB 503.

**URB 505** **3 hours**

**The Nature of the Non-Western World**

Spring, 1995, and alternate years. This course will explore the ancient rituals, traditions, and modern ideas by which two-thirds of the world's people now live. The educator will become familiar with and equipped for interaction with the assumptions, belief systems and cultural ways that have yielded profoundly different societies in the non-western world. Prerequisites: Admittance to the M.A. program, URB 504.

# College of Liberal Arts and Sciences

College Description

Departments

Christian Studies

English and Modern  
Languages

Exercise Science, Sport  
and Recreation

History, Philosophy and  
Social Sciences

Mathematics and  
Computer Science

Natural Sciences



*College of Liberal Arts  
and Sciences*

The College of Liberal Arts and Sciences provides an essential balance between a broad education in the natural sciences, computer science, mathematics, physical education, social sciences, philosophy, English, modern languages, and Christian studies, and a deeper specialization in one or more fields of knowledge. The College preserves, transmits, and expands knowledge in an environment where Christian perspective is emphasized. These educational methods aim at fostering continuous learning and freedom of inquiry, which are necessary ingredients for personal growth and for achievement in both the public and private sectors.

The mission of the College is to provide an outstanding undergraduate education. This mission can be accomplished through the interplay of quality teaching, research, and service. The College's active participation in the Honor's Program and comprehensive advisement services related to diverse career patterns or preparation for graduate education reflects its commitment.

The College of Liberal Arts and Sciences provides degree programs in the following areas:

Athletic Training	B.S.
Biology (Environmental)	B.S.
Biology (General)	B.S.
Biology (Secondary Teaching)	B.S.
Chemistry	B.S.
Christian Studies	B.A.
Computer Science	B.S.
Computer Science (Secondary Teaching)	B.S.
Corporate Fitness and Wellness	B.S.
English Literature	B.A.
English Teaching	B.A.
English Writing	B.A.
History	B.A.
Justice Studies	B.S.
Mathematics	B.S.
Mathematics (Engineering)	B.S.
Mathematics (Secondary Teaching)	B.S.
Physical Education (Teaching)	B.S.
Psychology	B.S.
Recreation	B.S.
Science Teaching	B.S.
Social Sciences	B.A.
Sociology	B.S.

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

- Athletic Coaching
- Behavioral Sciences
- Biology
- Chemistry
- Christian Studies
- Computer Science
- English
- German
- Greek
- Health Education
- History
- Humanities
- Justice Studies
- Martial Arts
- Mathematics
- Philosophy
- Physical Education
- Physics
- Political Science
- Psychology
- Recreation
- Social Sciences
- Sociology
- Spanish

# Department of Christian Studies



## DEPARTMENT DESCRIPTION

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

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

### Suggested Course of Study for Ministerial Students

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

Christian endeavor. For improvement of ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. Also courses in physical education will help to develop a lifelong program of health improvement and care.

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

## Department Description

Center for Biblical Studies

## Degree Requirements

### Major

Christian Studies

### Emphases

Biblical Studies

Historical/  
Theological Studies

Practical Ministries

### Minors

Christian Studies

Greek

## Course Descriptions

## CENTER FOR BIBLICAL STUDIES

The University, through its Department of Christian Studies, has established a Center for Biblical Studies to enlist more students in the study of the Bible and religion and to render a service to the community. Given this purpose, the program is not open to degree bound students because they are already enlisted in a study of the Bible through the University's general studies requirements. Rather, the program is intended for those with little or no formal Bible study at the college level who desire to study the Bible for personal enrichment or as an aid in their service to a local church.

Under this program, a person not enrolled in any other college or university may take up to seven hours of college work per semester, all of which must be in Christian Studies. Any of the courses listed in the catalog under the Department of Christian Studies are eligible for this program if they are taken during a regular Fall or Spring semester. Since this program is not intended for students planning to earn a bachelor's degree, the credits are not counted toward such a degree at Grand Canyon University. Instead, a certificate will be awarded upon completion of 18 hours under this program and an advanced certificate upon completion of 30 hours in this program.

To encourage the participation of those who are not and do not intend to become degree-seeking students, the University has established a special tuition rate of one-half the regular rate. See the annually-updated financial information sheet for specific information pertaining to students enrolled in the Center for Biblical Studies.

### DEGREE REQUIREMENTS — CHRISTIAN STUDIES (B.A. DEGREE; Minor Required)

General Studies (pg. 51)  
(Note: MAT 121 or higher required.)

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

#### Minor Required

##### Christian Studies Major

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

**Total Major Hours** 30

#### Christian Studies Emphases (Select One)

##### 1. Biblical Studies Emphasis

Choose 12 hours from the following: 12 hours

BIB 423	General Epistles and Revelation
BIB 432	Old Testament Prophets
BIB 433	Life and Teachings of Christ
BIB 442	The Pentateuch
BIB 443	Life and Letters of Paul
BIB 453	Old Testament Poetry
BIB 463	Biblical Backgrounds
BIB 499	Independent Study
GRK 373	Advanced Greek Grammar I
GRK 383	Advanced Greek Grammar II

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

**Total Emphasis Hours** 18

##### 2. Historical/Theological Studies Emphasis

Choose 12 hours from the following: 12 hours

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

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

**Total Emphasis Hours** 18

##### 3. Practical Ministries Emphasis

Choose 12 hours from the following: 12 hours

EDU 303	Foundations of Education
MIN 201	Development in Ministries
MIN 213	A Survey of Christian Education
MIN 243	Church Administration
MIN 270	Christian Drama
HTH/MIN 315	Basic Christian Discipleship
MIN 323	Evangelism
MIN 363	Instructional Technology
MIN 373	Pastoral Ministry
MIN 383	Homiletics
MIN 393	Hymnology
MIN 410	Clinical Pastoral Training
MIN 497	Ministerial Internship
MIN 499	Independent Study

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

**Total Emphasis Hours** 18

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

## MINOR REQUIREMENTS — CHRISTIAN STUDIES

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

**Total Minor Hours** 18

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

## MINOR REQUIREMENTS — GREEK

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. Students who plan to enter the Master of Divinity program in seminary should take at least one year of Greek in college.

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

**Total Minor Hours** 18

## BIBLICAL STUDIES

### BIB 101 3 hours Survey of the Old Testament

Every Fall. An elementary survey of the Old Testament designed for students not planning on further academic coursework in Bible. This course, in combination with BIB 102 or BIB 123, will meet the General Studies requirement of the University but does not serve as the required prerequisite for certain upper division courses in the Department of Christian Studies.

### BIB 102 3 hours Survey of the New Testament

Every Spring. An elementary survey of the New Testament designed for students not planning on further academic coursework in Bible. This course, in combination with BIB 101 or BIB 113, will meet the General Studies requirement of the University but does not serve as the required prerequisite for certain upper division courses in the Department of Christian Studies.

### BIB 113 3 hours Old Testament History

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

### BIB 123 3 hours New Testament History

Every semester and every Summer. A general historical survey of the New Testament, beginning with the interbiblical period, with the main emphasis given to the Gospels and Acts.

### BIB 313 3 hours Biblical Interpretation

Every Spring. This course equips students interested in more serious biblical studies to understand and use basic principles of biblical interpretation. An introduction to biblical interpretation is the focus, with a study of the several literary styles in biblical literature and an exposure to and evaluation of various methods of biblical analysis from a conservative viewpoint. Prerequisites: BIB 113, BIB 123.

### BIB 396 2 hours Biblical Studies Tutoring

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

### BIB 423 3 hours General Epistles and Revelation

Spring, 1994, and alternate years. A study of the historical background, authorship, and expository analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: BIB 113, BIB 123.

### BIB 432 3 hours Old Testament Prophets

Spring, 1994, and alternate years. A study of the writing prophets of the Old Testament, with special attention given to the Messianic element, the occasion of writing, authorship, content and interpretation. Prerequisites: BIB 113, BIB 123.

### BIB 433 3 hours Life and Teachings of Christ

Fall, 1994, and alternate years. A study of the life of Jesus, with special attention given to his person, teachings and work. Prerequisites: BIB 113, BIB 123.

### BIB 442 3 hours The Pentateuch (Genesis - Deuteronomy)

Fall, 1994, and alternate years. A study of the first five books of the Bible with special emphasis given to the scriptural record of beginnings and of early Hebrew history, religion and law. Prerequisites: BIB 113, BIB 123.

### BIB 443 3 hours Life and Letters of Paul

Spring, 1995, and alternate years. A study of the life and times of the apostle Paul, with an interpretation of his epistles and their historical setting. Prerequisites: BIB 113, BIB 123.

### BIB 453 3 hours Old Testament Poetry

Fall, 1993, and alternate years. A study of the poetical books of the Old Testament, with reference to their literary style, occasion of writing, authorship, content and interpretation. Prerequisites: BIB 113, BIB 123.

### BIB 463 3 hours Biblical Backgrounds

Fall, 1993, and alternate years. A geographical and archaeological survey of Palestine and the countries near it, and an examination of the important political, social, and religious customs and conditions which have a bearing on biblical history. Prerequisites: BIB 113, BIB 123.



**BIB 499** 1 - 4 hours  
**Independent Study**  
On demand. See page 42.

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## HISTORICAL/THEOLOGICAL STUDIES

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**HTH 303** 3 hours  
**Baptist and American Church History**  
Spring, 1994, and alternate years. Also **HIS 303**. Continuation of **HIS 353**. Follows the progress of the Christian movement from Europe to the American colonies. The major emphasis is on the development of Baptist and Evangelical Christianity in the United States.

**HTH 315** 3 hours  
**Basic Christian Discipleship**  
Every Fall. Also **MIN 315**. An introductory study of the basic disciplines of Christian Discipleship focusing on the formation of character, values, disciplines, and habits, especially related to the inner development of spirituality. The study makes use of some of the Christian devotional classics.

**HTH 318** 3 hours  
**Faith and Reason**  
On demand. Also **PHI 318**. An examination of the reasonableness of religious beliefs, especially beliefs which are central to the Christian faith. Topics include arguments for the existence of God, religious experience, the problem of evil, miracles, religious language, and life after death. Prerequisite: PHI 101.

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

**HTH 333** 3 hours  
**Psychology of Religion**  
Spring, 1994, and alternate years. Also **PSY 333**. Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship and principles of leadership.

**HTH 353** 3 hours  
**History of Christianity**  
Every Fall. Also **HIS 353**. A study of the significant movements within the church from New Testament times through the Reformation. Special emphasis is given to the ancient Christian Church, the Church Fathers, heresies, monasticism, the Papacy, and the practices and problems of the Church.

**HTH 373** 3 hours  
**Christian Doctrines**  
Every Fall. A systematic study of the major doctrines of the Christian religion, including revelation and the Bible, the Trinity, the doctrine of man, the atonement, salvation and Christian growth, the church and its ordinances, and eschatology. Prerequisites: BIB 113, BIB 123.

**HTH 375** 3 hours  
**Contemporary Theology**  
Every Spring. Begins with a brief background of the development of Protestant Liberal Theology starting with Schleiermacher. Then, more attention is given to twentieth century school of theological thought: Neo-Orthodox, Existential, Process, Theology of Hope and Liberation Theology.

**HTH 396** 2 hours  
**Historical/Theological Tutoring**  
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

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

**HTH 499** 1 - 4 hours  
**Independent Study**  
On demand. See page 42.

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## PRACTICAL MINISTRIES

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**MIN 201** 3 hours  
**Development in Ministries**  
Fall, on demand. This course introduces the student to Christian ministries in a practical manner, to prepare him/her for more mature study and experience of ministry. It involves the student in personal observation of ministry and direct contact with ministers. The student may choose to register concurrently for internship credit of no more than two hours.

**MIN 213** 3 hours  
**A Survey of Christian Education**  
Fall, 1994, and alternate years. An introduction to the development of Christian education from the Early Church to modern times, focusing on major movements, philosophies, and people. Special attention will be given to the objectives of educational programs in the local church.

**MIN 243** 3 hours  
**Church Administration**  
Spring, 1995, and alternate years. A study of the basic functional areas in the practice of administration. Special attention is given to management principles and leadership development to help make these effective in the local church.

**MIN 270** **3 hours**  
**Christian Drama**

On demand. Also **TRE 270**. A creative Christian dramatics lab with opportunities to perform for churches and other groups. Emphasis is on directing, selecting and editing, as well as performing religious drama with a Christian message or to correlate Christian drama with music. Ways and means of utilizing dramatic activity, organizing a drama group and training the inexperienced within a church are studied.

**MIN 315** **3 hours**  
**Basic Christian Discipleship**

Every Fall. Also **HTH 315**. An introductory study of the basic disciplines of Christian Discipleship focusing on the formation of character, values, disciplines, and habits, especially related to the inner development of spirituality. The study makes use of some of the Christian devotional classics.

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

Spring, 1995, and alternate years. A study of the history, theology, principles and methods of New Testament evangelism, including personal, church, and mass evangelism. Each student will be encouraged to do personal work as a part of this course. Prerequisites: BIB 113, BIB 123.

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

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

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

Fall, 1993, and alternate years. A study of the philosophy and practice of pastoral work, including a study of the pastor's call, his leadership role in the church, his personal character, health and preparation, pastoral care, preaching, counseling, leadership in worship and administration of church affairs.

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

Spring, 1994, and alternate years. A study of principles and practice of preaching, types of sermons, principles and procedure of sermon preparation and delivery. Students will prepare and deliver several sermons during the course. Prerequisites: BIB 113, BIB 123.

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

Fall, 1994, and alternate years. Also **MCH 393**. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnology. No musical background is required. Recommended for theology and religious education students.

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

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

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

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

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

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

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

Every semester. See page 42.

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## NEW TESTAMENT GREEK

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

Fall, 1993, and alternate years. Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to study the Greek New Testament. Prerequisite: Sophomore status or instructor's approval.

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

Spring, 1994, and alternate years. Continuation of **GRK 274**. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of cases, prepositions and tenses. Prerequisite: GRK 274 or equivalent.

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

Fall, 1994, and alternate years. For second-year students of the Greek New Testament. Forms, syntax, and prose composition are reviewed. The student is required to translate I Thessalonians and is given, with each lesson, a demonstration of the significance of Greek forms as vital to accurate translation. Prerequisite: GRK 284.

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

Spring, 1995, and alternate years. Continuation of **GRK 373**. This course includes an exegesis of one short New Testament book, designed to help prepare the student for the use of the most effective methods of exegesis of the Greek New Testament. Prerequisite: GRK 373.

**GRK 396** **2 hours**  
**Greek Tutoring**

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

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

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Every semester. See page 42.

# Department of English and Modern Languages



## DEPARTMENT DESCRIPTION

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

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

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

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

Department Description

Degree Requirements

Majors

English Literature

English Teaching

English Writing

Minors

English

German

Humanities

Spanish

Course Descriptions

target language. Success comes from the positive experiences encountered in the carefully planned and developed classroom exercises and experiences provided.

In evaluating high school work in a language, the language instructor determines the level at which students should begin their college level work. A foreign-born native speaker of a language other than English may not take a conversation class or a lower division class of grammar, literature, or civilization class of that language or society after completing an upper division class in that language *without the instructor's approval*.

Twenty (20) hours of one language (or equivalent) are recommended for proficiency. Those planning to teach a foreign language at the secondary level must have 24 semester hours (three hours must be the Language Methods class and the three hours of internship is recommended). Additional information may be secured from faculty members.

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

General Studies (pg. 51)  
(Note: MAT 121 or higher required.)

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

**Minor Required**

<b>English Literature Major</b>		
ENG 221	English Literature I	3 hours
ENG 222	English Literature II	3 hours
ENG 314	Advanced Grammar	3 hours
ENG 341	American Literature I	3 hours
ENG 342	American Literature II	3 hours
ENG 363	English Literature III	3 hours
ENG 421	Shakespeare	3 hours
ENG 463	American Literature III	3 hours
* ENG —	Literature Electives	6 hours
+ ENG —	Writing Electives	6 hours
<b>Total Major Hours</b>		<b>36</b>

\* Two of the following courses must be taken:  
ENG 324 (Poetry), ENG 352 (Short Story), ENG 362 (Studies in Film), ENG 413 (Novel), ENG 471 (Adolescent Literature), or ENG 473 (Children's Literature).

+ Two of the following courses must be taken:  
ENG 301 (Advanced Composition), ENG 313 (Business and Technical Writing), ENG 401 (Seminar in Writing), ENG 411 (Creative Writing), or ENG 495 (Special Topics in English).

**DEGREE REQUIREMENTS — \* ENGLISH TEACHING (B.A. DEGREE; Minor Required)**

General Studies For Teacher Education Programs (pg. 100)  
(Note: MAT 121 or higher required.)

**Minor Required**

Secondary Certification Required

**English Teaching Major**

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

**Total Major Hours 36**

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

+ Two of the following courses must be taken:  
ENG 324 (Studies in Poetry), ENG 352 (Short Story), ENG 362 (Studies in Film), ENG 413 (Novel), ENG 471 (Adolescent Literature), or ENG 473 (Children's Literature).

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

General Studies (pg. 51)  
(Note: MAT 121 or higher required.)

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

**Minor Required**

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

**Total Major Hours 36**

\* Three (3) of the following courses must be taken:  
ENG 324 (Studies in Poetry), ENG 352 (Short Story), ENG 362 (Studies in Film), ENG 413 (Novel), ENG 471 (Adolescent Literature), ENG 473 (Children's Literature) or ENG 495 (Special Topics in English).

**MINOR REQUIREMENTS — \* ENGLISH**

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

**Total Minor Hours 24**

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

### MINOR REQUIREMENTS — \* GERMAN

GER 201	Intermediate German I	4 hours
GER 202	Intermediate German II	4 hours
GER 311	German Conversation	3 hours
GER 312	German Composition	3 hours
GER 363	Civilization of Germany	3 hours
GER 423	Survey of German Literature	3 hours

Total Minor Hours 20

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

### MINOR REQUIREMENTS — HUMANITIES

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

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

### MINOR REQUIREMENTS — \* SPANISH

SPA 201	Intermediate Spanish I	4 hours
SPA 202	Intermediate Spanish II	4 hours
SPA 311	Advanced Spanish Conversation	3 hours
SPA 312	Spanish Composition and Grammar	3 hours
SPA 363	Civilization of Spain or	
SPA 373	Hispanic Civilization	3 hours
SPA 423	Survey of Spanish Literature	3 hours

Total Minor Hours 20

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

## ENGLISH

### ENG 100 3 hours Basic English

Every semester. A course for students whose performance on the Writing Proficiency Examination indicates their need for a classroom setting review of basic English skills.

### ENG 199 1 - 2 hours English Review

Every semester. A course for students whose performance on the Writing Proficiency Examination indicates their need for an individual review of Basic English skills.

### ENG 101 3 hours Grammar and Composition

Every semester and every Summer. A course in the writing of clear and effective prose, emphasizing fluency, structure and correctness.

### ENG 102 3 hours Composition and Literature

Every semester and every Summer. The work involves a variety of expository techniques based on the student's readings and a research paper. Prerequisite: ENG 101.

### ENG 103 3 hours Honors Composition and Literature

Every Fall. A course designed for students who have demonstrated excellent writing skills. Students will use a variety of expository methods in analyzing literature. A research paper is required. The course fulfills all freshman English requirements.

### ENG 221 3 hours English Literature I

Every Fall. A study of selected classical backgrounds of English literature, the Old English period and the English Renaissance. Prerequisites: ENG 101, ENG 102.

### ENG 222 3 hours English Literature II

Every Spring. Continuation of ENG 221, covering the period from the Restoration through the Romantic period. Prerequisites: ENG 101, ENG 102.

### ENG 301 3 hours Advanced Composition

Every Spring. A course for students interested in writing who wish to develop their skills in critical and non-fiction writing.

### ENG 313 3 hours Business and Technical Writing

Every semester. A course designed to present the best practices in writing business communications and technical reports.

### ENG 314 3 hours Advanced Grammar

Every Spring. A study of syntax, form and mechanics of English grammar in the light of its historical background.

### ENG 324 3 hours Studies in Poetry

Every Spring. This course is designed for students who are pursuing a major or minor in English or who wish to increase their understanding and appreciation of poetry. Prerequisites: ENG 101, ENG 102.

### ENG 341 3 hours American Literature I

Every Fall. A study of outstanding authors, their works and the literary movements from the Colonial Age to Romanticism (1850). Prerequisite: Junior status.

### ENG 342 3 hours American Literature II

Every Spring. A study of Local Color, Realism and Naturalism, especially in prose and poetry from 1850 to World War I. Prerequisite: Junior status.

**ENG 352** **3 hours**  
**The Short Story**

Every Fall. A study of the short story, its development, the different types and an analysis of technique. Prerequisite: Junior status.

**ENG 362** **3 hours**  
**Studies in Film**

Every Spring. Introduction to the historic and artistic development of movies. A number of classic as well as modern films will be shown and discussed.

**ENG 363** **3 hours**  
**English Literature III**

Every Spring. A study of the major Victorian poetry and prose and selected works from the modern period.

**ENG 396** **2 hours**  
**English Tutoring**

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

**ENG 399** **1 - 4 hours**  
**Practicum**

On demand. See page 42.

**ENG 401** **3 hours**  
**Seminar in Writing**

Every Spring. An exploration of English as a discipline. Students study the interpretation of literature, the methodology of writing, and career opportunities.

**ENG 411** **3 hours**  
**Creative Writing**

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

**ENG 413** **3 hours**  
**The Novel**

Every Fall. A study in the development of the novel which includes reading and discussion of novels from different areas of the world. Novels not written in English will be studied in English translations. Prerequisites: Junior status.

**ENG 421** **3 hours**  
**Shakespeare**

Every Spring. A study of the major Shakespearean comedies and tragedies and of Shakespeare's development as a dramatist. Prerequisite: ENG 221 or Junior status.

**ENG 463** **3 hours**  
**American Literature III**

Every Fall. A study of the major works of American literature since World War I.

**ENG 471** **3 hours**  
**Adolescent Literature**

Every Spring. Also **ENG 571** in the College of Education. A course for students who wish to read and examine the literature being written 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.

**ENG 473** **3 hours**  
**Children's Literature and Storytelling**

Every Fall. Also **ENG 573** in the College of Education. All types of children's literature from outstanding authors are surveyed, through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of storytelling are also studied.

**ENG 480** **3 hours**  
**Methods of Teaching English**

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

**ENG 495** **3 hours**  
**Special Topics in English**

Spring, 1995, and alternate years and every Summer. Topics of interest to language and literature specialists, not covered in depth in other courses, will be considered. Examples of topics might include: specific authors such as Milton or Chaucer; genre studies; studies in sociolinguistics; studies in discourse analysis. May be repeated for credit. Prerequisite: Instructor's approval.

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

On demand. See page 42.

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## MODERN LANGUAGES

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### CHINESE

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**CHI 101** **4 hours**  
**Elementary Chinese I**

On demand. A class stressing conversation using a text, practice tapes, and cultural information to develop basic understanding, speaking, reading and some writing skills.

**CHI 102** **4 hours**  
**Elementary Chinese II**

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

**CHI 201** **4 hours**  
**Intermediate Chinese I**

On demand. Increased emphasis on reading, practice to increase conversational fluency. Prerequisite: CHI 102 or equivalent.

**CHI 202** **4 hours**  
**Intermediate Chinese II**

On demand. Continuation of **CHI 201**. Prerequisite: CHI 201 or equivalent.

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

On demand. See page 42.

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## FRENCH

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**FRE 101** **4 hours**  
**Elementary French I**

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

**FRE 102** **4 hours**  
**Elementary French II**

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

**FRE 201** **4 hours**  
**Intermediate French I**

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

**FRE 202** **4 hours**  
**Intermediate French II**

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

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

On demand. See page 42.

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## GERMAN

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**GER 101** **4 hours**  
**Elementary German I**

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

**GER 102** **4 hours**  
**Elementary German II**

Every Spring. Continuation of **GER 101**. Prerequisite: **GER 101** or equivalent.

**GER 201** **4 hours**  
**Intermediate German I**

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

**GER 202** **4 hours**  
**Intermediate German II**

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

**GER 311** **3 hours**  
**German Conversation**

Every Fall. Contemporary topics and cultural comparisons are the basis of the conversation class. The class strengthens the student's command of spoken German. Prerequisite: Instructor's approval.

**GER 312** **3 hours**  
**German Composition**

Spring, 1994, and alternate years. A course designed to give the student practice in writing in German about current issues and selected topics.

**GER 363** **3 hours**  
**Civilization of Germany**

Spring 1995, and alternate years. Introduction to German Civilization through historic, social, political and economic aspects from the beginning to the present time.

**GER 396** **2 hours**  
**German Tutoring**

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

**GER 423** **3 hours**  
**Survey of German Literature**

Spring 1995, and alternate years. Designed to expose the student to a wide range of German literary periods and styles, and to advance the student's reading competence. Prerequisite: **GER 312** or Instructor's approval.

**GER 480** **3 hours**  
**Foreign Language Methods**

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

**GER 497** **1 - 4 hours**  
**German Internship**

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

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

On demand. See page 42.

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## RUSSIAN

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*Interested students may consult with the Center for International Education regarding the possibility of a major in Russian through a cooperative agreement with a university in Kazakhstan.*

**RUS 101** **4 hours**  
**Elementary Russian I**

On demand. A study stressing conversation but including reading, writing, and grammar. The course may be offered in the Commonwealth of Independent States.

**RUS 102** **4 hours**  
**Elementary Russian II**

On demand. Continuation of **RUS 101**. Prerequisite: **RUS 101**.



- RUS 201** 4 hours  
**Intermediate Russian I**  
On demand. Increased emphasis on reading, practice to increase conversational fluency. Prerequisite: RUS 102 or equivalent.
- RUS 202** 4 hours  
**Intermediate Russian II**  
On demand. Continuation of **RUS 201**. Prerequisite: RUS 201 or equivalent.
- RUS 499** 1 - 4 hours  
**Independent Study**  
On demand. See page 42.

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## SPANISH

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- SPA 101** 4 hours  
**Elementary Spanish I**  
Every Fall. A study stressing conversation and the fundamentals of grammar and pronunciation using the TPR method together with cultural and historical information and readings.
- SPA 102** 4 hours  
**Elementary Spanish II**  
Every Spring. Continuation of **SPA 101**. Prerequisite: SPA 101 or equivalent.
- SPA 201** 4 hours  
**Intermediate Spanish I**  
Every Fall. Grammar review covering all tenses and stressing the subjunctive as well as usage and idiomatic expressions. Prerequisite: SPA 102.
- SPA 202** 4 hours  
**Intermediate Spanish II**  
Every Spring. Continuation of **SPA 201** stressing conversation, culture, Hispanic civilization and readings. Prerequisite: SPA 201.
- SPA 311** 3 hours  
**Advanced Spanish Conversation**  
Every Fall. Designed to teach the student to speak with fluency, correct pronunciation, to develop facility in the language and to familiarize the student with common expressions and everyday usage. Discussions with a wide range of topics. Prerequisite: SPA 202.
- SPA 312** 3 hours  
**Spanish Composition and Grammar**  
Every Spring. Designed to give the student practice in writing in Spanish about Spanish literature and current issues. Prerequisite: SPA 311.
- SPA 363** 3 hours  
**Civilization of Spain**  
Spring, 1995, and alternate years. A chronological study of colonization and civilization of the peninsula and the new world, with emphasis on Mexico. Prerequisite: SPA 312.

- SPA 373** 3 hours  
**Hispanic Civilization**  
Spring, 1994, and alternate years. A study of the colonizing practices of Spain in the New World and their relevance to modern problems. Prerequisite: SPA 312.

- SPA 396** 2 hours  
**Spanish Tutoring**  
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

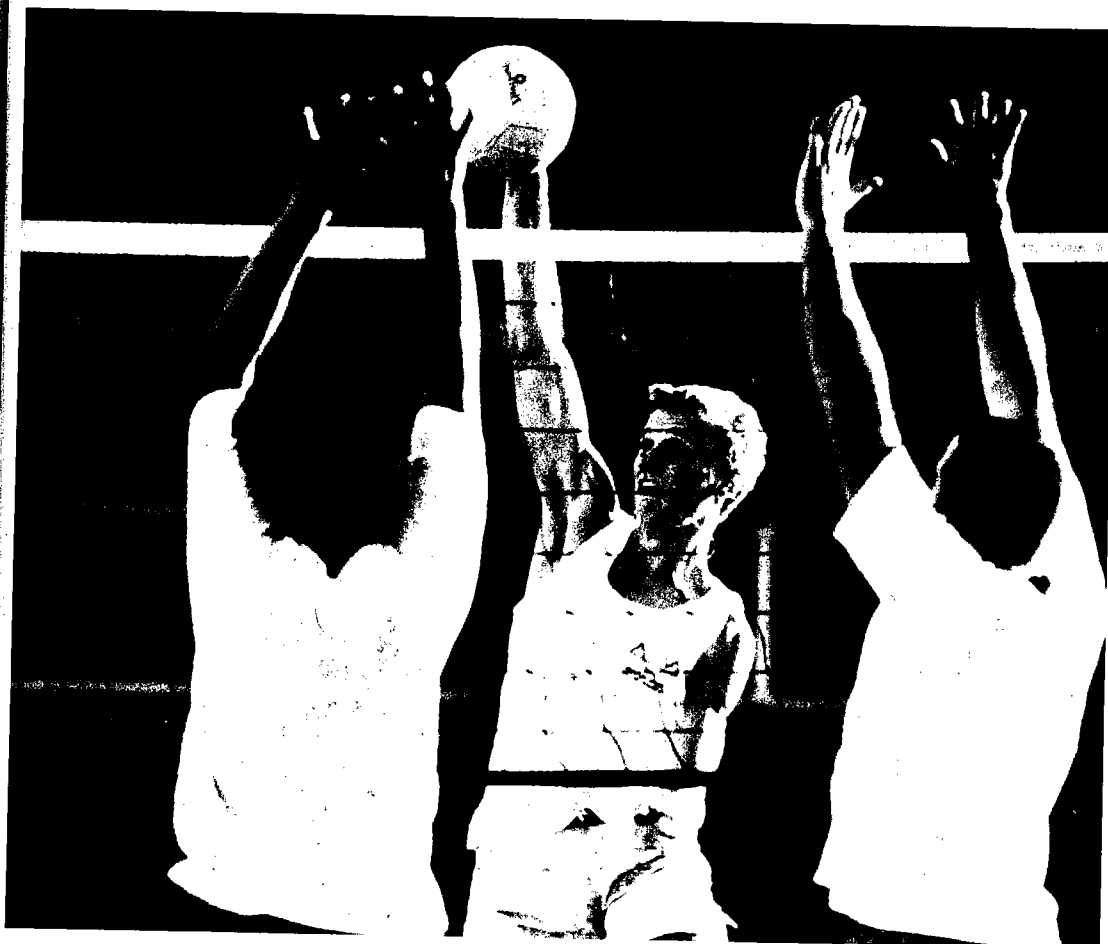
- SPA 423** 3 hours  
**Survey of Hispanic Literature**  
Every Fall. A survey of Hispanic literature from the Colonial Period to the present with emphasis on literary periods, style and analysis. Prerequisite: SPA 312.

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

- SPA 497** 1 - 4 hours  
**Spanish Internship**  
On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's Approval.

- SPA 499** 1 - 4 hours  
**Independent Study**  
On demand. See page 42.

# Department of Exercise Science, Sport and Recreation



## DEPARTMENT DESCRIPTION

The overall goal of the Exercise Science, Sport and Recreation Department is to promote a physically healthy atmosphere for the University community. The goal is accomplished by providing many physical activity courses which satisfy the general studies requirement. These courses are designed to develop and/or maintain the physical vitality of students. The desired outcome is for students to develop interests and/or activities that will continue throughout their lifetime.

The array of courses are offered to achieve the following aims: (1) contribute to the physical well-being of students, (2) educate men and women as health and physical education teachers and coaches, (3) provide the background necessary for employment as instructors, directors and specialists in the commercial health and fitness industry, (4) train men and women for careers as professional athletic trainers, (5) prepare men and women as nationally certified recreation professionals and (6) allow men and women to gain the

knowledge and skills necessary to train others in the martial arts.

The major and minor degrees described offer a blend of classroom instruction and clinical experience designed for the optimum preparation of students for careers in this diverse career field. Each specific course of study has been designed to meet the following agency's certification requirements: (1) Arizona State Department of Education, (2) National Athletic Trainers Association Board of Certification and (3) National Parks and Recreation Department. With additional coursework, students could also be eligible for national certifications in the commercial health and fitness industry, thus increasing employment opportunities in this diverse career field.

The Physical Education Teaching major will qualify as a teaching major for a (K-12) teaching certificate Endorsement at either the elementary or secondary level.

The Corporate Fitness and Wellness major can lead,

Department Description

Degree Requirements

Majors

Athletic Training

Corporate Fitness and  
Wellness

Physical Education

Recreation

Minors

Athletic Coaching

Health Education

Martial Arts

Physical Education

Recreation

Course Descriptions

*Exercise Science, Sport  
and Recreation*

along with practical experience, to eligibility in any of the following areas: Fitness Instructor, Exercise Specialist or Exercise Program Director with the American College of Sports Medicine, Certified Strength and Conditioning Specialist with the National Strength and Conditioning Association, or any of the national aerobics instructor certifications.

The Athletic Training major prepares students for employment in secondary schools, colleges and universities, professional sports and industrial and clinical settings as Certified Athletic Trainers. The student will receive instruction in prevention, management and rehabilitation of injuries/illness in the sports setting, the administration of sports medicine programs and the education and counseling of athletes on subjects related to this field. A teaching degree is recommended, but not required.

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

The Athletic Coaching minor emphasizes skills to assist the future teacher who wishes to coach interscholastic, intercollegiate or other sports teams in all aspects of preparation for competition.

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

The martial arts minor will provide the student with the skills needed to instruct others in various forms of self defense and Karate techniques. Further, the preparation establishes a sound basis for understanding the martial arts while working toward belt designations according to the degree of progress. (Appropriate consideration will be given to the belts already earned.)

#### **DEGREE REQUIREMENTS — ATHLETIC TRAINING (B.S. DEGREE; Minor Required)**

General Studies (see pg. 51)  
(Note: MAT 121 or higher required.)

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

#### **Minor Required**

##### **Athletic Training Major**

PSY 101	General Psychology	3 hours
BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
HLT 200	Personal Health	3 hours
HLT 270	First Aid and Safety	3 hours
PED 314	Care and Prevention of Athletic Injuries	3 hours
PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 383	Measurement in Physical Education	3 hours
PED 414	Advanced Athletic Training	3 hours
PED 425	Theory of Prescribing Exercise	3 hours
PED 497	Internship in Exercise Science	3 hours

PED 496	Special Topics in Sports Medicine (2 two-hour courses taken in consecutive years)	4 hours
— —	Methods course from any teaching field	2-3 hours
<b>Total Major Hours</b>		<b>44-45</b>

Secondary Teacher Certification strongly recommended

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

General Studies (pg. 51)  
(Note: MAT 121 or higher required.)

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

#### **Minor Required**

##### **Non-Teaching Physical Education Major**

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
HLT 200	Personal Health	3 hours
HLT 270	First Aid and Safety	3 hours
PED —	Activities (from 101, 111, 121, 141, 151, 161, 171)	4 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select three from 252, 262, 272, 282, 285, 292)	6 hours
PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 383	Measurement in Physical Education	3 hours
PED 497	Internship in Exercise Science	2 hours
PED —	Upper Division Electives	6 hours

**Total Major Hours 46**

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

General Studies For Teacher Education Programs (pg. 100)  
(Note: MAT 121 or higher required.)

#### **Minor Required**

##### **Secondary Certification Required**

##### **Physical Education Teaching Major**

HLT 253	Anatomy and Physiology	3 hours
PED —	Activities (from 101, 111, 121, 131, 141, 151, 161, 181, 191) Must be at least one hour each from aquatics, team sports and individual activities	6 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select four from 252, 262, 272, 282, 285, 292)	8 hours

PED 335	Kinesiology	3 hours
PED 340	Physiology of Exercise	3 hours
PED 363	Physical Education for the Exceptional Child	3 hours
PED 383	Measurement in Physical Education	3 hours
PED 403	Physical Education in Elementary Grades	2 hours
PED 413	Physical Education in Secondary School	2 hours
PED —	6 hours of electives, Upper Division	6 hours

**Total Major Hours 44**

\* Refer to the College of Education for elementary certification, secondary certification, K-12 endorsement and minor requirements.

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

General Studies (see pg. 51)  
(Note: MAT 121 or higher required.)

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

**Minor Required**

**Recreation Major**

HLT 270	First Aid and Safety	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select two from 252, 262, 272, 282, 285, 292)	4 hours
REC 203	Introduction to Recreation	3 hours
REC 213	Recreational Leadership	3 hours
REC 215	Recreational Programming	3 hours
REC 313	Outdoor Recreation	3 hours
REC 423	Recreation Administration	3 hours
REC 424	Recreation Facility Management	3 hours
REC 425	Recreation for Special Populations	3 hours
REC 497	Internship in Recreation	9 hours

Select two of the following:

BUS 307	Business Communication (3 hours)	
MGT 301	Principles of Management (3 hours)	
MKT 301	Principles of Marketing (3 hours)	6 hours

**Total Major Hours 45**

**MINOR REQUIREMENTS — ATHLETIC COACHING**

HLT 270	First Aid and Safety	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select two from 252, 262, 272, 282, 292)	4 hours
PED 314	Care and Prevention of Athletic Injuries	3 hours
PED —	Athletic Coaching (Select three from 323, 333, 334, 343 or equivalent)	9 hours
PED 433	Theory of Coaching	3 hours
PED 497	Internship in Exercise Science	2 hours

**Total Minor Hours 26**

**MINOR REQUIREMENTS — HEALTH EDUCATION**

HLT 200	Personal Health	3 hours
HLT 253	Anatomy and Physiology	3 hours
HLT 270	First Aid and Safety	3 hours
HLT 333	School Health Problems	3 hours
HLT 363	Methods of Teaching Health	3 hours
HLT 382	Principles of Public Health	3 hours
HLT 401	Drug Abuse Seminar	3 hours
HTH 497	Internship in Health Education	3 hours

**Total Minor Hours 24**

**MINOR REQUIREMENTS — MARTIAL ARTS**

PED 141	Self Defense	1 hour
PED 151	Karate	1 hour
*PED 231	Advanced Karate	1-2 hours
*PED 241	Advanced Self Defense	1-2 hours
*PED 285	Teaching Self Defense Activities	2 hours
PED 310	Advanced Kata/Theory	3 hours
PED 311	Sparring	3 hours
PED 341	Self Defense Applications	3 hours
PED 351	Intermediate Sparring	3 hours
PED 401	Traditional Okinawan Weapons	3 hours
+PED 451	Advanced Sparring	4 hours

**Total Minor Hours 25**

\* Option 1: PED 231, 1 hour; PED 241, 1 hour; PED 285, 2 hours  
Option 2: PED 231, 2 hours; PED 241, 2 hours (do not take PED 285)

+ PED 497, Internship may be substituted to fit the student's individual needs

**MINOR REQUIREMENTS — PHYSICAL EDUCATION**

HLT 253	Anatomy and Physiology	3 hours
PED —	Activities (from 101, 111, 121, 131, 161, 181, 191)	4 hours
PED 240	Introduction to Physical Education	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select two from 252, 262, 282, 292)	4 hours
PED 335	Kinesiology	3 hours
PED 403	Physical Education in Elementary Grades or in Secondary School	2 hours
PED 413	Physical Education in Secondary School Upper Division Electives	3 hours

**Total Minor Hours 24**

## MINOR REQUIREMENTS — RECREATION

HTH 270	First Aid and Safety	3 hours
PED 246	Instructional Strategies in Physical Education	2 hours
PED —	Professional Activities (Select two from 252, 262, 272, 282, 285, 292)	4 hours
REC 203	Introduction to Recreation	3 hours
REC 213	Recreational Leadership or	
REC 215	Recreational Programming	3 hours
REC 313	Outdoor Recreation or	
REC 425	Recreation for Special Populations	3 hours
REC 423	Recreation Administration or	
REC 424	Recreation Facility Management	3 hours
REC 497	Internship in Recreation	5 hours

Total Minor Hours 26

## HEALTH EDUCATION

### HLT 200 3 hours Personal Health

Every Fall. A study of personal health concepts with emphasis on the importance of good health in the attainment of life's goals and aspirations.

### HLT 253 3 hours Anatomy and Physiology

Every Fall. A study of the basic structures and functions of the various systems of the human organism. Provides accurate, current information concerning the human body for those students pursuing careers in health and physical education who have minimal background in the physical and biological sciences.

### HLT 270 3 hours First Aid and Safety

Every Fall. Designed to develop the ability to administer emergency treatment for first responders. Upon successful completion of this course, students will receive American Red Cross Standard First Aid and CPR certification. Also a study of safety and its importance in home, work and recreational settings.

### HLT 333 3 hours School Health Problems

Every Spring. An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs. Prerequisite: HLT 200.

### HLT 363 3 hours Methods of Teaching Health

Every Fall. A study of methods and procedures of teaching health. Resources, aids and agencies are studied in an attempt to determine how they may best assist the teacher. Prerequisite: HLT 200.

### HLT 382 3 hours Principles of Public Health

Every Spring. A study of the public agencies and their contribution to the health of the community. Also includes fundamentals, philosophy, history and functions of public health services. Prerequisite: HLT 200.

### HLT 396 2 hours

#### Health Education Tutoring

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

### HLT 401 3 hours Drug Abuse Seminar

Every semester. Also **SOC 401**. Information presented concerns the problem of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychological, legal, social and cultural implications; and principles of program planning. Prerequisite: SOC 341 or Instructor's approval.

### HLT 497 1 - 4 hours Internship

On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

### HLT 499 1 - 4 hours Independent Study

On demand. See page 42.

## PHYSICAL EDUCATION

### PED 101 1 hour Swimming

Every semester. Instruction and practice in the skills of swimming.

### PED 103 1 hour Varsity Athletics

Every Fall. For athletes who compete on a varsity intercollegiate athletic team at Grand Canyon University. Each athlete may receive credit for this course only once.

### PED 104 1 hour Varsity Athletics

Every Spring. For athletes who compete on a varsity intercollegiate athletic team at Grand Canyon University. Each athlete may receive credit for this course only once.

### PED 111 1 hour Tennis

Every semester. Instruction and practice in the fundamentals of tennis.

### PED 121 1 hour Weightlifting and Fitness

Every semester. Instruction and practice in the skills of weightlifting and of the procedures necessary to maintain an accepted level of physical fitness.

**PED 131** **1 hour**  
**Team Sports**

Every semester. Instruction and practice in softball, basketball and volleyball or flag football. Sport selection based on facility availability, instructor preference and student input.

**PED 141** **1 hour**  
**Self Defense**

Every semester. A course designed to teach basic techniques in self-defense techniques (throws, chokes, sweeps, joint locks) and to build confidence in students in the event of a confrontation.

**PED 151** **1 hour**  
**Karaté**

Every semester. A course designed to teach basic karaté techniques (fundamentals, kicks, kata) and to prepare students for belt promotions.

**PED 161** **1 hour**  
**Aerobics**

Every semester. Course is designed to introduce and develop fundamental skills and principles of aerobics. Students will learn to apply these skills to achieve overall fitness and personal health. Some sections may be specialized for certain types of aerobic activity.

**PED 171** **1 hour**  
**Water Aerobics**

Every semester. Course is designed to introduce and develop fundamental skills and principles of water aerobics and to apply these skills to achieve overall fitness and personal health.

**PED 181** **1 hour**  
**Golf**

Every semester. Instruction and practice in stance, grip, stroke, teeing of the ball and use of different clubs.

**PED 191** **1 hour**  
**Archery**

Every semester. Instruction and practice in the fundamentals of archery.

**PED 201** **1 hour**  
**Intermediate Weightlifting and Fitness**

Every semester. Advanced instruction and practice in the skills of weightlifting and of the procedures necessary to maintain an advanced level of physical fitness. Prerequisite: PED 121 or instructor's approval.

**PED 202** **1 hour**  
**Intermediate Golf**

Every Spring, Summer on demand. Advanced instruction and practice in the sport of golf, learning golf rules, etiquette and strategy. Student will be expected to play at least four, nine-hole rounds of golf. Prerequisite: PED 181 or instructor's approval.

**PED 203** **1 hour**  
**Intermediate Archery**

Every Fall, Summer on demand. Archery class designed either for the competitive archery student or the hunter. Prerequisite: PED 191 or instructor's approval.

**PED 211** **1 - 2 hours**  
**Lifeguard Training**

Every Spring. Instruction and practice in training as a lifeguard. Upon successful completion of the course, students will receive American Red Cross Standard First Aid and CPR (one credit hour) and lifeguard training (one credit hour) certificates.

**PED 221** **1 hour**  
**Intermediate Tennis**

Every semester. Instruction and practice in the fundamentals of tennis. Designed for those students who have some skill in the sport. Prerequisite: Instructor's approval.

**PED 231** **1 - 2 hours**  
**Advanced Karaté**

Every Spring. A course designed to further skills learned in PED 151 (fundamentals, kicks, kata). The course will also include instruction in traditional karaté school ethics, Japanese terms and Japanese customs and continued preparation for belt promotions.

**PED 240** **3 hours**  
**Introduction to Physical Education**

Every Fall. A study of the goals and objectives of physical education, its history and current role. Focus is on an overview of professional and bioscience specialties within the field, as well as literature and research and the basis of motor skills acquisition.

**PED 241** **1 - 2 hours**  
**Advanced Self Defense**

Every Spring. A course designed to further skills learned in PED 141 (throws, chokes, sweeps, joint locks). The course will also include instruction in trapping techniques, knee strikes and elbow strikes.

**PED 246** **2 hours**  
**Instructional Strategies in Physical Education**

Every Fall. A course designed to prepare future physical education teachers, fitness instructors and recreational leaders in the skills necessary to teach physical education activities to groups. Included will be the development of lesson plans, course goals and performance objectives that can be applied to the teaching of any skill or activity.

**PED 252** **2 hours**  
**Teaching of Team Sports I**

Every Fall. Practice and skills in the sports of soccer, touch football and team handball for exercise science majors and minors. Includes lesson plans, teaching techniques, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

**PED 262** **2 hours**  
**Teaching of Team Sports II**

Every Spring. Practice and skills in the sports of basketball, volleyball and softball for exercise science majors and minors. Includes lesson planning, teaching techniques, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

**PED 272** **2 hours**  
**Teaching Aquatic Skills (WSI)**  
 Every Spring. Practice and skills in the sport of swimming. Includes lesson planning, teaching procedure, evaluation techniques and skill proficiency. Must be able to swim 500 yards. Red Cross Emergency Water Safety and Water Safety Instructor certificates will be issued to the student upon successful completion of the course. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

**PED 282** **2 hours**  
**Teaching of Individual Activities I**  
 Every Fall. Practice and skills in the activities of badminton, archery and tennis for exercise science majors and minors. Includes lesson planning, teaching procedures, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

**PED 285** **2 hours**  
**Teaching Self-Defense Activities**  
 Every Spring. A course designed to develop methods and techniques of teaching martial arts. Each student will research a particular area, prepare a paper and an in-class demonstration.

**PED 292** **2 hours**  
**Teaching of Individual Activities II**  
 Every Spring. Practical skills in the activities of fitness, rhythms and aerobics for exercise science majors and minors. Includes lesson planning, teaching techniques, evaluation and proficiency in skills. Three hours per week. Prerequisite: PED 246 or concurrent enrollment.

**PED 310** **3 hours**  
**Advanced Kata and Theory**  
 Every Fall. A course designed to link concept and theories to real-life applications. Seisan I, Seisan II and Seisan III katas will be studied in-depth to promote understanding of the moves in a real-life situation. Further preparation for belt promotions.

**PED 311** **3 hours**  
**Sparring**  
 Every Fall. A course designed to introduce the student to basic karate fighting, boxing, and kickboxing techniques, as well as familiarize the student with long and short range fighting.

**PED 314** **3 hours**  
**Care and Prevention of Athletic Injuries**  
 Every Fall. A course designed to provide the students with a basic knowledge and understanding of the principles of sports medicine, the care and treatment of athletic trauma and the use of proper conditioning principles in the prevention of injury.

**PED 323** **3 hours**  
**Athletic Coaching: Baseball**  
 Every Fall. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy of baseball.

**PED 333** **3 hours**  
**Athletic Coaching: Basketball**  
 Every Spring. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy in basketball.

**PED 334** **3 hours**  
**Athletic Coaching: Volleyball and Softball**  
 Every Summer. A study of the fundamental skills of volleyball and softball, and how each of these skills can be presented and effectively evaluated. Further study will include the dynamics of team structure, practice organization, conditioning and coaching philosophy for these sports.

**PED 335** **3 hours**  
**Kinesiology**  
 Every Spring. Analysis of human movement, integrating knowledge of the skeletal, muscular and neurological systems with the effect of gravity, friction, internal and external forces and the laws of motion have on its function, including the application of these factors to various types of physical skills. Prerequisites: HLT 253 or BIO 201 and BIO 202 (concurrent enrollment acceptable).

**PED 340** **3 hours**  
**Physiology of Exercise**  
 Every Fall. A study of the effects of exercise on the body. It includes the study of responses and adaptations to exercise at the systemic as well as the subcellular level. Prerequisites: PED 335.

**PED 341** **3 hours**  
**Self-Defense Applications**  
 Every Fall. Further instruction in self-defense skills including throws, chokes and grappling techniques. Designed to prepare the student for defense in life-threatening situations.

**PED 343** **3 hours**  
**Sports Officiating**  
 Every Fall. A study of the rules and mechanics of officiating football, basketball and baseball.

**PED 351** **3 hours**  
**Intermediate Sparring**  
 Every Spring. Designed to further the skills learned in PED 311. Introduces the student to bag work, ring work and drills to prepare for competition. Will familiarize the student with all fighting arts: boxing, kickboxing, Thaiboxing, shootboxing.

**PED 363** **3 hours**  
**Physical Education for the Exceptional Child**  
 Every Fall. A course designed to develop methods and techniques of teaching the exceptional child in motor activities. Emphasis is also placed on the activities and programs to be included in the curriculum. Prerequisite: PED 246.

**PED 383** **3 hours**  
**Measurement in Physical Education**  
 Every Spring. Tests and Measurements in physical education; data analysis techniques for test evaluation, test construction and grading. Also deals with tests of fitness and sports skills. Prerequisite: PED 246, four hours of Professional Activities.

**PED 396** **2 hours**  
**Physical Education Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

**PED 399** 1 - 4 hours  
**Practicum**  
On demand. See page 42.

**PED 401** 3 hours  
**Traditional Okinawan Weapons**  
Every Spring. A course designed to acquaint the student with a knowledge of basic traditional weapon forms including katas and advanced weapon combinations using bo, sais, tonfas, nunchukas, stick, and shanai. Will incorporate a study of the history of weapons from their beginnings as farm tools to their development as weapons.

**PED 403** 2 hours  
**Physical Education in Elementary Grades**  
Every Spring. A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child. Prerequisites: PED 383, 4 hours Professional Activities.

**PED 413** 2 hours  
**Physical Education in Secondary School**  
Every Fall. Designed for persons who plan to teach at the middle or high school level. Topics include classification of students, organization of classes, choice and selection of appropriate activities and materials, progression and testing. Prerequisites: PED 383, 4 hours of Professional Activities.

**PED 414** 3 hours  
**Advanced Athletic Training**  
Every Spring. Evaluation of athletic injuries, recognition of the importance of physical exams, conditioning programs and disqualifying factors in athletics will be covered. Designed for students seeking NATA certification. Prerequisites: PED 314, PED 335 or concurrent enrollment.

**PED 423** 3 hours  
**Organization and Administration of Physical Education and Athletics**  
Every Summer. Designed for majors in exercise science. Deals with administrative tasks and techniques for use in departments of physical education, athletics and fitness or exercise centers. Topics include budget and finance, organizing tournaments, and business, administrative and ethical decision-making in the exercise science setting. Prerequisite: PED 413 or instructor's approval.

**PED 425** 3 hours  
**Theory of Prescribing Exercise**  
Every Spring. Theoretical basis and practical application of general principles of exercise prescription to various ages, fitness levels and health states. Prerequisite: PED 335.

**PED 433** 3 hours  
**Theory of Coaching**  
Every Fall. Addresses the role of the coach in developing players beyond the basic skills of playing the game. The course will focus on the Christian approach to coaching, motivation, coaching styles, counseling athletes and coaching under stress. The course will apply to all coaching endeavors. Prerequisite: one athletic coaching course or instructor's approval.

**PED 451** 4 hours  
**Advanced Sparring**  
Every Fall. Instruction in advanced sparring techniques and ring work on a competitive level for use in all fighting areas: boxing, kickboxing, Thai boxing and shootboxing.

**PED 496** 2 hours  
**Special Topics in Sports Medicine**  
Every Fall. Must be taken twice by athletic training students. Examination of current issues, topics and trends in the field of sports medicine. Current theories and practices regarding diet, ergogenic aids, orthopedics, neurology, emergency procedures, rehabilitation and injury prevention methods will be discussed. Prerequisites: PED 314, BIO 201, BIO 202.

**PED 497** 3 hours  
**Internship in Exercise Science**  
The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

**PED 499** 1 - 4 hours  
**Independent Study**  
On demand. See page 42.

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## RECREATION

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

**REC 213** 3 hours  
**Recreational Leadership**  
Every Fall. Designed to acquaint the student with current trends and practices in professional recreation leadership development. Students will examine leadership concepts, group dynamics, management and problem-solving as related to recreation. Special event planning and operation of sports leagues will be explored.

**REC 215** 3 hours  
**Recreational Programming**  
Every Spring. Games, contests, sports, arts, crafts, music, drama, social recreation for home, school and community leisure time. Students will gain experience in teaching activities and event planning.

**REC 313** 3 hours  
**Outdoor Recreation**  
Summer, 1994, and alternate years. A course designed to acquaint the student with the knowledge and experience of outdoor living and outdoor leadership skills. Camping, back-packing and desert survival will be explored.

**REC 396** 2 hours  
**Recreation Tutoring**  
Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.



**REC 423** **3 hours**

**Recreation Facility Management**

Spring, 1995 and alternate years. Study of financing, marketing and legal issues. concerning the management of Recreation and Park facilities. Coursework will include a study of bonds, risk management and the pricing structures of recreation facilities. Prerequisite: REC 213 or Instructor's approval.

**REC 424** **3 hours**

**Recreation**

Spring, 1994, and alternate years. Study of supervisory and administrative techniques to be used in the Recreation profession. Staff and volunteer supervision, policy development, public and community relations as well as management theories will be included. Prerequisite: REC 213 or Instructor's approval.

**REC 425** **3 hours**

**Recreation for Special Populations**

Fall, 1993, and alternate years. A course designed to develop methods and techniques of leading therapeutic recreation activities in institutions. Emphasis is also placed on the activities and programs to be included. Prerequisites: REC 203, and REC 213 or REC 215.

**REC 497** **2 - 5 hours**

**Internship in Recreation**

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

# Department of History, Philosophy and Social Sciences



## DEPARTMENT DESCRIPTION

History, Philosophy and the Social Sciences are related. History is largely the record and analysis of the political, economic and social conditions and changes of man. Philosophy is the attempt to understand and put into systematic order the most fundamental human beliefs about reality, knowledge and value. Anthropology, geography, political science, psychology and sociology increase our understanding of human actions in the past and present. The department serves two principal functions — the provision of a liberal arts education and specialized training for future careers.

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

A student who desires to prepare for a career in law or in another profession requiring a legal education may take his undergraduate pre-law work at Grand Canyon University. Basic objectives of pre-legal

education should include the development of comprehension and articulate communication, critical understanding of human institutions, and analytical skills.

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

### Semesters in Washington, D.C. or Latin America

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

Department Description

Degree Requirements

Majors

History

Justice Studies

Psychology

Social Sciences

Sociology

Minors

Behavioral Sciences

History

Justice Studies

Philosophy

Political Science

Psychology

Social Sciences

Sociology

Course Descriptions

forms and application deadline information from the department chairperson.

**MINOR REQUIREMENTS — \* BEHAVIORAL SCIENCES**

SOC 101	Introduction to Sociology	3 hours
SOC 313	Cultural Anthropology or	
SOC 483	History of Social Thought	3 hours
PHI 101	Introduction to Philosophy	3 hours
PSY 101	General Psychology	3 hours
— —	Upper Division Psychology or	
	Sociology Electives	6 hours

**Total Minor Hours 18**

\* Not recommended for prospective teachers in secondary education.

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

General Studies (pg. 51)  
(Note: MAT 121 or higher required.)

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

**Minor Required**

**History Major**

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

**Total Major Hours 33**

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

**MINOR REQUIREMENTS — HISTORY**

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

**Total Minor Hours 21**

**DEGREE REQUIREMENTS — JUSTICE STUDIES  
(B.S. DEGREE; No Minor Required)**

Completion of ENG 101, ENG 102, and the passing of the Writing Proficiency Examination are required prior to beginning the Justice Studies major. Students must also have 32 semester hours of college work with a minimum GPA of 2.00.

General Studies (pg. 51)

Note: Specified General Studies for the Justice Studies major include: SPA 101; SPA 102; HIS 103 or HIS 104; MAT 121 or higher; CAM 180A; CAM 180B; CAM 180C; and BIO 100)

No minor required, but 32 hours of specified courses will be established between the student and faculty advisor.

**Justice Studies Major**

**Lower Division Courses**

* JUS 100	Intro. to the Justice System	3 hours
JUS 200	Issues in Justice Studies	3 hours
PSY 101	General Psychology	3 hours
SOC 101	Introduction to Sociology	3 hours
SPC 113	Fundamentals of Speech	3 hours
SPC 292	Group Discussion	3 hours

**Upper Division Courses**

JUS 303	Theory of Criminal Justice	3 hours
JUS 306	The Police Function	3 hours
JUS 308	The Adjudication Function	3 hours
JUS 310	The Correctional Function	3 hours
JUS 440	Criminal Justice Administration	3 hours
* JUS 462	Procedural Criminal Law	3 hours
JUS 495	Internship	4 hours
* JUS 496	Substantive Law	3 hours
JUS 498	Social Research	3 hours
PSY 350	Social Psychology	3 hours
PSY 466	Abnormal Psychology	3 hours
SOC 341	Social Problems	3 hours
SOC 423	American Minority Peoples	3 hours

**Total Major Hours 58**

\* These courses receive credit from the Phoenix Regional Police Academy and ALETA.

**MINOR REQUIREMENTS — JUSTICE STUDIES**

JUS 100	Intro. to the Justice System	3 hours
JUS 200	Issues in Justice Studies	3 hours
JUS 303	Theory of Criminal Justice	3 hours
JUS 306	The Police Function	3 hours
JUS 308	The Adjudication Function	3 hours
JUS 310	The Correctional Function	3 hours
JUS 495	Internship in Justice Studies	4 hours
JUS 498	Social Research (SOC 496)	3 hours

**Total Minor Hours 25**

**MINOR REQUIREMENTS — PHILOSOPHY**

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

**Total Minor Hours 18**

**MINOR REQUIREMENTS — POLITICAL SCIENCE**

POS 203	Federal and Arizona Government	3 hours
POS —	Political Science Electives (6 hours must be Upper Division)	15 hours
<b>Total Minor Hours</b>		<b>18</b>

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

General Studies (pg. 51)

(Note: MAT 121 or higher required.)

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

**Minor Required**

**Psychology Major**

PSY 101	General Psychology	3 hours
PSY 253	Personality Development	3 hours
PSY 350	Social Psychology	3 hours
PSY 363	Intro. to Probability and Statistics	3 hours
PSY 367	Experimental Psychology	4 hours
PSY 414	History and Systems of Psychology	3 hours
PSY —	Upper Division Psychology Electives	6 hours
One course from each of the following areas:		9 hours

**Clinical**

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

**Developmental**

PSY 341	Lifespan Development	
PSY 353	Child Psychology	
PSY 373	Adolescent Psychology	

**Experimental Psychology**

PSY 324	Learning and Cognition	
PSY 327	Physiological Psychology	
PSY 415	Sensation and Perception	

**Total Major Hours 34**

**MINOR REQUIREMENTS — PSYCHOLOGY**

PSY 101	General Psychology	3 hours
PSY 253	Personality Development	3 hours
PSY 350	Social Psychology	3 hours
PSY —	Upper Division Psychology Electives	9 hours

**Total Minor Hours 18**

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

General Studies (pg. 51)

(Note: MAT 121 or higher required.)

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

**Minor Required**

**Social Sciences Major**

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

**Total Major Hours 39**

**MINOR REQUIREMENTS — \* SOCIAL SCIENCES**

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

**Total Minor Hours 18**

\* Three (3) hours must be Upper Division

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

General Studies (pg. 51)

(Note: MAT 121 or higher required.)

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

**Minor Required**

**Sociology Major**

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

**Total Major Hours 33**

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

**MINOR REQUIREMENTS — SOCIOLOGY**

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

**Total Minor Hours 18**

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

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## GEOGRAPHY

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**GEO 111** **3 hours**  
**Physical Geography**

Every Fall. A geographic study of climate, topography, drainage, soils, and plant and animal life and their influence on man and on the development of civilization.

**GEO 121** **3 hours**  
**World Geography**

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

**GEO 396** **2 hours**  
**Geography Tutoring**

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

**GEO 399** **1 - 4 hours**  
**Practicum**

On demand. See page 42.

**GEO 421** **3 hours**  
**Geography of the Southwestern United States**

Summer, 1994, and alternate years on demand. A geographic study of the six states of the southwestern United States — Arizona, California, Colorado, Nevada, New Mexico and Utah. A study of the climate, ecosystems, soils, geology, landforms, tectonic processes and agents of erosion; and their influence on man and his environment.

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

On demand. See page 42.

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## HISTORY

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**HIS 101** **3 hours**  
**Western Civilization to 1815**

Every semester. The Renaissance and Reformation are studied and related to the transition from medieval to early modern world. Attention is given to the rise of the centralized national state, to the rise and decline of absolutism, and to intellectual, political and industrial revolutions of Europe and their impact.

**HIS 102** **3 hours**  
**Western Civilization Since 1815**

Every semester. A continuation of **HIS 101** but students need not have taken HIS 101 before taking HIS 102. A study of the swiftly changing tides of events that characterize the world of the 19th and 20th centuries.

**HIS 103** **3 hours**  
**Early American History**

Every semester. A study of European expansion in America, the English colonies, colonial institutions, the American Revolution and Constitution, the launching of the new government, nationalism and sectionalism, westward expansion, slavery and the Civil War.

**HIS 104** **3 hours**  
**Recent American History**

Every semester. Continuation of **HIS 103**. Deals with problems in the wake of the Civil War, postwar expansion, the Industrial Revolution in America, transition to a world power, and domestic and foreign issues of the 20th century.

**HIS 303** **3 hours**  
**Baptist and American Church History**

Spring, 1994, and alternate years. Also **HTH 303**. Continuation of **HIS 353**. Follows the progress of the Christian movement from Europe to the American colonies. The major emphasis is on the development of Baptists and Evangelical Christianity in the United States.

**HIS 312** **3 hours**  
**Foundations of Western Thought**

Fall, 1994, and alternate years. Also **PHI 312**. A survey of the development of Western Thought from ancient Greece through the Middle Ages, with particular emphasis on the contributions of Plato and Aristotle. Prerequisite: PHI 101 or instructor's approval.

**HIS 317** **3 hours**  
**Studies in the Non-Western World**

On demand. A study of the non-western world. Geographic areas studied will vary. Emphasis will be on culture, history and the contemporary situations.

**HIS 321** **3 hours**  
**Ancient and Medieval History**

Fall, 1993, and alternate years. A survey of the Ancient and Medieval World. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered.

**HIS 333** **3 hours**  
**The Renaissance and Reformation**

Spring, 1994, and alternate years. A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic and Counter Reformations; rise of nationalism and capitalism. Prerequisite: HIS 101.

**HIS 352** **3 hours**  
**History of England to 1714**

Fall, 1994, and alternate years. A study of the origin and the development of the English people, with particular attention given to their political, social, economic, and cultural institutions and their interaction with continental Europe. Prerequisite: HIS 101 or instructor's approval.

**HIS 353** **3 hours**  
**History of Christianity**  
 Every Fall. Also **HTH 353**. A study of the significant movements within the church from New Testament times through the Reformation. Special emphasis is given to the ancient Christian Church, the Church Fathers, heresies, monasticism, the Papacy, and the practices and problems of the Church.

**HIS 373** **3 hours**  
**Latin American History**  
 Spring, 1994, and alternate years. A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, the wars of independence and Latin American republics from the era of independence to the present. Prerequisite: 3 hours of history.

**HIS 383** **3 hours**  
**Economic History of the United States**  
 Fall, 1994, and alternate years. Also **ECN 383**. A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: ECN 202, HIS 103, HIS 104.

**HIS 396** **2 hours**  
**History Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

**HIS 401** **3 hours**  
**History Seminar**  
 Every Spring. An exploration of the historical discipline. Students study the meaning and interpretation of history, methodology and career opportunities. Prerequisites: HIS 101, HIS 102, HIS 103, HIS 104, 6 hours of Upper Division history.

**HIS 413** **3 hours**  
**Russian History**  
 Fall, 1993, and alternate years. A study of the Russian peoples and their rulers from the earliest times to the present. Prerequisites: HIS 101, HIS 102.

**HIS 416** **3 hours**  
**American Diplomatic History**  
 Spring, 1994, and alternate years. Also **POS 416**. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisites: 6 hours of history or political science.

**HIS 417** **3 hours**  
**Constitutional History of the United States**  
 Fall, 1993, and alternate years. Also **POS 417**. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the constitution by the courts. Prerequisites: 6 hours of history or political science.

**HIS 493** **3 hours**  
**The West in American History**  
 Spring, 1995, and alternate years. A study of the westward movement: the advancing frontier and western political, economic and social development from the colonial period to the 20th century. Prerequisites: HIS 103, HIS 104.

**HIS 495** **3 hours**  
**Special Topics in European History**  
 Summer, 1994, and alternate years. Topics of interest to historians, not covered in depth in other courses will be considered. Examples of topics might include: 20th century Europe, Modern Britain and problems in European history. May be repeated for credit. Prerequisite: Instructor's approval.

**HIS 496** **3 hours**  
**Special Topics in American History**  
 Summer, 1993, and alternate years. Topics of interest to historians, not covered in depth in other courses will be considered. Examples of topics might include: the Contemporary United States, and history of the South. May be repeated for credit. Prerequisite: Instructor's approval.

**HIS 497** **1 - 4 hours**  
**Internship in History**  
 On demand. The internship provides an opportunity for students to practice principles learned in their functional area by working in an outside organization under the supervision of a practitioner. See Department Chairman for specific information. Prerequisite: Instructor's approval.

**HIS 499** **1 - 4 hours**  
**Independent Study**  
 On demand. See page 42.

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## JUSTICE STUDIES

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**JUS 100** **3 hours**  
**Introduction to the Justice System**  
 Every Fall. Overview of police, courts, and corrections, the three components that make up the criminal justice system.

**JUS 200** **3 hours**  
**Issues in Justice Studies**  
 Every Spring. Issues, techniques, and trends of the criminal justice system. Prerequisite: JUS 100 or instructor's approval.

**JUS 303** **3 hours**  
**Theory of Criminal Justice**  
 Spring, 1995, and alternate years. An examination of the criminal justice system with emphasis on the psychological, biological, and social causes of crime. Prerequisites: JUS 100, JUS 200, and one Upper Division justice studies course or instructor's approval.

**JUS 306** **3 hours**  
**The Police Function**  
 Fall, 1993, and Spring, 1995. Objectives, strategies, programs, roles, perspectives and the interagency relationships of the police. Prerequisites: JUS 100, JUS 200, or instructor's approval.

- JUS 308** **3 hours**  
**The Adjudication Function**  
 Spring, 1994, and Fall, 1995. In depth study of the objectives, processes, settings, roles, and perspectives of the courts, prosecution and defense. Prerequisites: JUS 100, JUS 200 or instructor's approval.
- JUS 310** **3 hours**  
**The Correctional Function**  
 Fall, 1994, and Spring, 1995. The workings of the court system as it relates to the offender. Prerequisites: JUS 100, JUS 200 or instructor's approval.
- JUS 396** **2 hours**  
**Justice Studies Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisite: Approval of the Department Chair and the Tutor Program Coordinator.
- JUS 440** **3 hours**  
**Criminal Justice Administration**  
 On demand. Analysis of organization structures in police, courts, and corrections. Management and administrative policies of criminal justice agencies are examined. Prerequisites: JUS 100, JUS 200, and one Upper Division justice studies course or instructor's approval.
- JUS 462** **3 hours**  
**Procedural Criminal Law**  
 Fall, 1994, and Spring, 1995. Study of the criminal process as it relates to the constitution. Prerequisites: JUS 100, JUS 200 or instructor's approval.
- JUS 495** **4 hours**  
**Internship in Justice Studies**  
 On demand. Placement of students in a criminal justice or related agency to further the student's integration of theory with practice. Prerequisites: JUS 100, JUS 200 and 6 hours of upper division justice studies courses.
- JUS 496** **3 hours**  
**Substantive Law**  
 Spring, 1995, and alternative years. Study of criminal liability with an emphasis on crimes against persons, property, and society. Prerequisites: JUS 100, JUS 101 or instructor's approval.
- JUS 498** **3 hours**  
**Social Research**  
 Every Fall. Also **SOC 496**. Investigation of techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results. Prerequisite: SOC 101.
- JUS 499** **1 - 4 hours**  
**Independent Study**  
 On demand. See page 42.

## PHILOSOPHY

- PHI 101** **3 hours**  
**Introduction to Philosophy**  
 Every Fall. An introduction to the discipline of philosophy through a study of representative philosophic problems. Topics to be considered include: What can be known with certainty? What makes actions right? Are our choices free? Can God's existence be proved?
- PHI 215** **3 hours**  
**Introduction to Logic**  
 Every Spring. A study of the principles of correct reasoning with emphasis on distinguishing between good and bad arguments of various types.
- PHI 225** **3 hours**  
**Introduction to Ethics**  
 Every Spring. An introductory study of some of the central concepts, procedures and issues in the field of ethics, focusing on the nature of ethical thinking and how it applies to particular judgments about actions, character, and values. Topics to be considered include ethical relativism, morality and self interest, the basis of moral obligation, moral virtues and vices and the relevance of religious beliefs to morality.
- PHI 311** **3 hours**  
**Business Ethics**  
 Every semester. A study of the application of moral concepts and principles to business practice. Topics include product quality and safety, truth in advertising, employee rights and responsibilities, organizational life and the capitalist system.
- PHI 312** **3 hours**  
**Foundations of Western Thought**  
 Fall, 1993, and alternate years. Also **HIS 312**. A survey of the development of Western Thought from ancient Greece through the Middle Ages, with particular emphasis on the contributions of Plato and Aristotle. Prerequisite: PHI 101 or instructor's approval.
- PHI 313** **3 hours**  
**Shapers of the Modern Mind**  
 Fall, 1994, and alternate years. A study of thinkers from the Renaissance to contemporary times who have helped to form our understanding of ourselves and the world we live in. Focus will be on major philosophic systems of the modern period. Prerequisite: PHI 101 or instructor's approval.
- PHI 318** **3 hours**  
**Faith and Reason**  
 On demand. Also **HTH 318**. An examination of the reasonableness of religious beliefs, especially beliefs which are central to the Christian Faith. Topics include arguments for the existence of God, religious experience, the problem of evil, miracles, religious language and life after death. Prerequisite: PHI 101.

**PHI 329** **3 hours**  
**Biomedical Ethics**  
 Every Fall. A study of the application of moral concepts and principles to issues arising in the health care professions. Topics include role conflicts, paternalism, truth telling, informed consent, human experimentation, abortion, euthanasia and the allocation of scarce resources.

**PHI 396** **2 hours**  
**Philosophy Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

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

**PHI 499** **1 - 4 hours**  
**Independent Study**  
 On demand. See page 42.

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## POLITICAL SCIENCE

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**POS 203** **3 hours**  
**Federal and Arizona Government**  
 Every semester and every Summer. A basic course in American and Arizona Governments. The course is designed to give the student a broad outline of the workings of the governments and to lay the groundwork for further studies. This course meets the teacher certification requirement for American and Arizona Government.

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

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

**POS 323** **3 hours**  
**International Relations**  
 Fall, 1993, and alternate years. A study of the history of international politics, contemporary world power structure and international law and organization. Prerequisites: 6 hours of history or political science.

**POS 333** **3 hours**  
**Early Political Thought**  
 Fall, 1994, and alternate years. A study of the evolution of European and American political doctrines, with special attention given to the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 18th century enlightenment. Prerequisites: 6 hours of history or political science.

**POS 343** **3 hours**  
**Contemporary Political Thought**  
 Spring, 1995, and alternate years. Continuation of **POS 333**. Deals with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and to the study of socialism, communism and fascism in the modern world. Prerequisite: **POS 333** or sufficient work in history or philosophy to provide an adequate background.

**POS 396** **2 hours**  
**Political Science Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

**POS 399** **1 - 4 hours**  
**Practicum**  
 On demand. See page 42.

**POS 416** **3 hours**  
**American Diplomatic History**  
 Spring, 1994, and alternate years. Also **HIS 416**. The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisites: 6 hours of history or political science.

**POS 417** **3 hours**  
**Constitutional History of the United States**  
 Fall, 1993, and alternate years. Also **HIS 417**. A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. Prerequisites: 6 hours of history or political science.

**POS 499** **1 - 4 hours**  
**Independent Study**  
 On demand. See page 42.

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## PSYCHOLOGY

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



- PSY 253** **3 hours**  
**Personality Development**  
 Every Fall. An analysis of personal behavior and its development in the life of an individual. Topics include motivation, coping with stress, interpersonal relationships and personal growth and change.
- PSY 315** **3 hours**  
**Personality Psychology**  
 Spring, 1995, and alternate years. A study of the nature and causal determinants of human behavior, including the definition and scientific measurement of personality. Theories studied will include the psychodynamic, neo-Freudian, trait and factor, cognitive and behavioral theories. The Christian perspective on the nature of human personality will also be explored. Prerequisite: PSY 101.
- PSY 324** **3 hours**  
**Learning and Cognition**  
 Every Fall. The study of theoretical and empirical problems of human learning and cognitive behavior. The nature of learning processes, transfer, memory, information processing, concept attainment and problem solving will be explored. Prerequisite: PSY 101.
- PSY 327** **3 hours**  
**Physiological Psychology**  
 Fall, 1994, and alternate years. A course emphasizing the relationship between brain and behavior. Role of genetic, neural, hormonal and physiological processes in sensation, perception, motivation and learning will be discussed within the context of recent research. Prerequisite: BIO 201.
- PSY 333** **3 hours**  
**Psychology of Religion**  
 Spring, 1994, and alternate years. Also **HTH 333**. Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship and principles of leadership.
- PSY 341** **3 hours**  
**Lifespan Development**  
 Every Fall. A course in developmental psychology with an emphasis on the physical, social, cognitive, personality and moral developments within an individual. The course is designed to provide an understanding of the transitions of life from conception to death. May not be taken with prior credit in Child Psychology (PSY 353).
- PSY 350** **3 hours**  
**Social Psychology**  
 Every Spring. Also **SOC 350**. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques and the influence of mass communication on social awareness and control. Prerequisite: PSY 101 or SOC 101.
- PSY 353** **3 hours**  
**Child Psychology**  
 Every semester and every Summer. An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work and play in child life; and the synthesis and integration of personality. May not be taken with prior credit in Lifespan Development (PSY 341). Prerequisite: PSY 101.
- PSY 363** **3 hours**  
**Introduction to Probability and Statistics**  
 Every semester. Also **SOC 363**. A study of elementary theories of probability, distribution and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: MAT 120 or equivalent.
- PSY 367** **4 hours**  
**Experimental Psychology**  
 Every Spring. A laboratory course emphasizing both the theoretical and applied aspects of experimental design and research methodology. A variety of experiments will be performed in such areas as learning, motivation and perception. Prerequisites: PSY 101, PSY 363.
- PSY 373** **3 hours**  
**Adolescent Psychology**  
 Every semester. An examination of the meaning and significance of adolescence; physical, mental, moral and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescents; and the guidance and control of adolescent behavior. Prerequisite: PSY 101.
- PSY 396** **2 hours**  
**Psychology Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.
- PSY 414** **3 hours**  
**History and Systems of Psychology**  
 Every Spring. A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Prerequisites: PSY 101 and 9 hours of Upper Division psychology.
- PSY 415** **3 hours**  
**Sensation and Perception**  
 On demand. Theories, issues, research findings and methodology in the study of perception and the related area of sensory functioning. Emphasis is placed on visual and auditory perception. Topics include psychophysics, sensory coding, adaptation, attention, sensory and perceptual judgments, the perception of space, motion and color. Application of perception to interpersonal relationships. Prerequisite: PSY 101.

**PSY 420/421** **6 hours**  
**Principles of Residential Treatment of Adolescents I & II**

On demand. Also **SOC 420/421**. A specialized course dealing with the need for, the types of clients served in and methods of treatment of adolescents in residential settings. An experiential component of 45-60 hours per semester is an integral part of the course and is conducted at the Arizona Baptist Children's Services facility adjacent to the University. Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hours) may be applied to any one major or minor. No previous or subsequent Internship (SOC 497/PSY 497/JUS 495) can be in a residential treatment of adolescents' setting. (State law requires anyone working with juveniles to be fingerprinted by the appropriate state office and pay the cost of that process, approximately \$20. Details will be provided at the first class meeting.) Prerequisites: PSY 443, SOC 341, or one Justice Studies course.

**PSY 430** **3 hours**  
**Industrial Psychology**

Spring, 1995, and alternate years. The application of social and organizational psychological methods and principles to business and industry. Topics to be covered include human behavior at work, personnel selection and evaluation, motivation and job satisfaction, management philosophies, employee-management relationships, job evaluation, work and equipment design, working conditions, accident and human errors, and consumer psychology. Prerequisite: PSY 101.

**PSY 443** **3 hours**  
**Fundamentals of Counseling and Guidance**

Every Spring. Designed for teachers, ministers, business persons, industrial workers, or workers in sociology. Emphasis is placed on the proper use of psychology as a tool for guidance by persons in various occupations. Prerequisite: PSY 101.

**PSY 466** **3 hours**  
**Abnormal Psychology**

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

**PSY 496** **3 hours**  
**Special Topics in Psychology**

Summer, on demand. Topics of interest to psychologists but not covered in depth in other courses will be considered. Examples of topics include: motivation and emotion, psychology of death and dying, and psychological testing.

**PSY 497** **1 - 4 hours**  
**Internship in Psychology**

Every semester. The student is placed with an agency or organization in the community to gain practical insights and experience to complement their classroom learning. Every effort is made to place the student in a setting corresponding to their interests or career goals. May be repeated for credit. Prerequisite: Instructor's approval.

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

On demand. See page 42.

**SOCIOLOGY**

**SOC 101** **3 hours**  
**Introduction to Sociology**

Every semester. An introduction to the concepts, theories, and methods used by sociology to describe, explain, and understand human behavior in groups. Emphasis is placed on how sociology is used in everyday living and in social service careers.

**SOC 313** **3 hours**  
**Cultural Anthropology**

Spring, 1995, and alternate years. A study of social cultures which have developed in human society. Attention is given to preliterate peoples in comparison with our own and other cultures. The origin and development of the cultures, their technologies, economies, social organizations and beliefs are surveyed. Prerequisite: SOC 101.

**SOC 333** **3 hours**  
**Marriage and the Family**

Every Fall. A sociological analysis of the family, designed to contribute to an understanding of its origin, structure, and functions and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the adjustments necessary to successful marriage and family life. Prerequisite: SOC 101 or Junior status.

**SOC 341** **3 hours**  
**Social Problems**

Every Spring. A survey of the various issues and problems faced by contemporary American society including poverty, overpopulation, inequality, crime, sexual behavior and drug and alcohol abuse. A cross-cultural perspective will be employed to further an understanding of the history, nature and possible solutions of these social problems. Prerequisite: SOC 101.

**SOC 350** **3 hours**  
**Social Psychology**

Every Spring. Also **PSY 350**. A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. Prerequisite: PSY 101 or SOC 101.

**SOC 353** **3 hours**  
**Urban Sociology**

Fall, 1993, and alternate years. An analysis of the evolution of the city, together with the specific problems encountered in the process. An examination of the role of the church in this process will be considered. The effects of city-living on its citizens and the city of the future will also be of concern. Prerequisite: SOC 101.

**SOC 363** **3 hours**  
**Introduction to Probability and Statistics**

Every semester. Also **PSY 363**. A study of elementary theories of probability, distribution and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: MAT 120 or equivalent.

**SOC 384** 3 - 4 hours  
**Human Ecology**  
 Every Fall. Also **BIO 384**. A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences. Three hours lecture, three hours laboratory per week.

**SOC 396** 2 hours  
**Sociology Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills, and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

**SOC 401** 3 hours  
**Drug Abuse Seminar**  
 Every semester. Also **HLT 401**. Information presented concerns the problems of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychological, legal, social and cultural implications; and principles of program planning. Prerequisite: SOC 341.

**SOC 420/421** 6 hours  
**Principles of Residential Treatment of Adolescents I & II**  
 On demand. Also **PSY 420/421**. A specialized course dealing with the need for, the types of clients served in and methods of treatment of adolescents in residential settings. An experiential component of 45-60 hours per semester is an integral part of the course and is conducted at the Arizona Baptist Children's Services facility adjacent to the University. Restrictions: Open only to Sociology, Psychology, or Justice Studies majors with junior or senior standing; only one semester (3 hours) may be applied to any one major or minor. No previous or subsequent Internship (SOC 497/PSY 497/JUS 495) can be in a residential treatment of adolescents' setting. (*State law requires anyone working with juveniles to be fingerprinted by the appropriate state office and pay the cost of that process, approximately \$20. Details will be provided at the first class meeting.*) Prerequisites: PSY 443, SOC 341 or one Justice Studies course.

**SOC 423** 3 hours  
**American Minority Peoples**  
 Fall, 1994, and alternate years. A study of the various minority groups in the United States and their sociological significance in our national group and culture. The history and present status of American immigration policy are also considered.

**SOC 431** 3 hours  
**Social Work**  
 Every Spring. An overview of the training, tasks, and opportunities in the profession of social work. The student will be introduced to the skills, knowledge base and functional role of the social worker. Exposure to various settings of social work practice will be provided. Prerequisite: SOC 101.

**SOC 448** 3 hours  
**Sociology of Aging**  
 On demand. This class will explore the physical, psychological, social, economic, environmental, religious and programmatic aspects of aging. It is intended to provide the student with a broad background regarding the issues surrounding the topic of aging. Prerequisite: SOC 101.

**SOC 483** 3 hours  
**History of Social Thought**  
 Every Spring. A study of social thought from ancient to modern times, with equal emphasis on pre-20th century and 20th century social thought. This course investigates the background of modern sociology as it has been influenced by outstanding social thinkers. Prerequisite: SOC 101.

**SOC 496** 3 hours  
**Social Research**  
 Every Fall. Also **JUS 498**. Investigation of an involvement in techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results. Prerequisite: SOC 101.

**SOC 497** 1 - 4 hours  
**Internship in Sociology**  
 Every semester. The student is placed with an agency or organization in the community to gain practical insights and experience to complement their classroom learning. Every effort is made to place the student in a setting corresponding to their interests or career goals. May be repeated for credit. Prerequisite: Instructor's approval.

**SOC 498** 3 hours  
**Special Topics**  
 On demand. Topics of interest to sociologists but not covered in depth in other courses will be considered. The content (topic) will change each time the course is offered so it may be repeated for credit. Examples of topics might include: Women in America, Suicide, Third World Issues, Social Movements, Collective Behavior, Social Stratification, Sociology of Religion, Sociobiology, Sociology of Health and Illness, Sociology of Mental Illness or Juvenile Delinquency. Prerequisites: SOC 101 or instructor's approval.

**SOC 499** 1 - 4 hours  
**Independent Study**  
 On demand. See page 42.

# Department of Mathematics and Computer Science



## DEPARTMENT DESCRIPTION

The breadth and applicability of the mathematical sciences fit well with the purposes of a Christian liberal arts university: to liberate, to empower, and to prepare people for servant-leadership. Study in mathematics and computer science can help liberate people from mental imprecision and from being intimidated or fooled by technical arguments; it can empower people with tools for solving problems, and enlighten people with sudden but hard-won insights into structure; it engages the student in playful yet disciplined creativity; it calls students to wonder at the beauty of abstract ideas and the mystery of their applicability in other fields. Mathematics demands courage and calm action in the face of complexity, and honesty and humility in encounters with error, contradiction, and the limits of knowledge. As "queen and servant," mathematics gives leadership and service to other human endeavors, roles which fit well with the Christian purposes of Grand Canyon University. Thus the Department of Mathematics and Computer Science seeks to uphold the view that the

vigorous communication, creation, and application of mathematical ideas can be a noble Christian calling.

Mathematics is a broad, applicable, and playful subject. In recent times, especially since the advent of the digital computer, mathematics has expanded into a collection of mathematical sciences which include pure and applied mathematics, computation, and computer science, statistics, operations research and other areas. Themes of structure, randomness and chaos, techniques of computation, analysis and visualization, and modes of thought involving proof, counter-example, intuition and creation of unifying concepts are hallmarks of mathematics. Mathematical ideas have found application not only in the physical sciences but increasingly in the life, social and management sciences, and even in the arts and humanities. The pace of discovery and invention in mathematics remains high. Mathematics is indeed the "queen and servant of the sciences."

The Department of Mathematics and Computer

Department Description

Degree Requirements

Majors

Computer Science

Computer Science for  
Secondary Teachers

Mathematics

Mathematics for  
Engineers

Mathematics for  
Secondary Teachers

Minors

Computer Science

Mathematics

Course Descriptions

Science offers majors in mathematics, computer science, mathematics for secondary teaching, and computer science for secondary teaching. These majors prepare students for graduate study or employment in teaching, industry, business or government. An individualized major which emphasizes a certain application area such as scientific computation, actuarial science, operations research, or pure mathematics, and also fulfills departmental standards may be designed in consultation with the department. Students who have completed advanced or accelerated courses in mathematics in high school may apply for advanced placement with regard to certain mathematics courses. An individualized program may also be tailored for students who plan to continue their study elsewhere in an engineering program, but who also desire a strong foundation in mathematics and the advantages of a Christian liberal arts setting. The department also provides courses in mathematics and computer use for students with other majors.

Current areas of expertise and interest among the mathematics and computer science faculty include scientific computation, dynamical systems, differential geometry and topology, chaos, fractals and iterations, mathematics education, applied mathematics, applications programming, and computer interfacing. Students have the opportunity to enhance their contact with faculty, and other math students and the national mathematical and computer science communities through the Grand Canyon student chapter of the Mathematical Association of America, and the Association for Computing Machinery respectively.

The facilities for mathematics include a Computer Center and the Dynamical Systems Lab where students use computers to study fractals, chaos, and iterations. The Computer Center houses a VAX 6000-410 computer and terminals, a large network of IBM-compatible PCs and other micro-computers.

### DEGREE REQUIREMENTS — COMPUTER SCIENCE (B.S. Degree; Minor Required)

General Studies (pg. 51)

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

Minor Required

#### Computer Science Major

CSC	100	Intro. to Comp. Science I	3	hours
CSC	101	Intro to Comp. Science II	3	hours
CSC	120	Digital Computer Fundamentals	3	hours
CSC	220	Assembly Language Programming	3	hours
CSC	310	Intro. to Data Structures	3	hours
CSC	320	Comp. Architecture and Organization	3	hours
CSC	340	Structure of Programming Languages	3	hours
CSC	401	Senior Seminar	3	hours
CSC	430	Operating Systems	3	hours
CSC	460	Software Engineering	3	hours
CSC	—	Upper Division Computer Science Electives	6	hours
MAT	270	Analytical Geom. and Calculus I	4	hours
MAT	271	Analytical Geom. and Calculus II	4	hours
MAT	315	Discrete Mathematics	3	hours

MAT 363	Probability and Statistics	3	hours
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<b>Total Major Hours</b>			<b>50</b>
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### MINOR REQUIREMENTS — \* COMPUTER SCIENCE

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

<b>Total Minor Hours</b>			<b>18</b>
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\* Students desiring teaching certification should take 24 hours for a minor, including CSC 155, CSC 333, and CSC 356. Please refer to the College of Education for certification requirements.

### DEGREE REQUIREMENTS — \* COMPUTER SCIENCE FOR SECONDARY TEACHERS (B.S. DEGREE; Minor Required)

General Studies For Teacher Education Programs (pg. 100)

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

Minor Required

Secondary Certification Required

#### Computer Science for Secondary Teachers Major

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

<b>Total Major Hours</b>			<b>30</b>
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\* Please refer to the College of Education for secondary certification and minor requirements.

### DEGREE REQUIREMENTS — MATHEMATICS (B.S. DEGREE; Minor Required)

General Studies (pg. 51)

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

Minor Required

#### Mathematics Major

CSC	100	Intro. to Computer Science I	3	hours
CSC	201	Computer Prog. Language	1	hour
MAT	270	Analytical Geom. and Calculus I	4	hours
MAT	271	Analytical Geom. and Calculus II	4	hours
MAT	272	Analytical Geom. and Calculus III	4	hours
MAT	300	Intro. to Mathematical Thought or		
	MAT 310	College Geometry	3	hours
	MAT 342	Linear Algebra	3	hours

MAT 363	Probability and Statistics	3 hours
MAT 371	Advanced Calculus I	3 hours
MAT 372	Advanced Calculus II	3 hours
MAT 373	Differential Equations	3 hours
MAT 443	Abstract Algebra	3 hours
MAT —	Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483)	9 hours
*PHY 115	University Physics I	4 hours
*PHY 116	University Physics II	4 hours
<b>Total Major Hours</b>		<b>54</b>

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

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

General Studies (pg. 51)

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

Minor Required

Mathematics for Engineers Major

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 342	Linear Algebra	3 hours
MAT 373	Differential Equations	3 hours
MAT —	Upper Division Mathematics Electives (Excluding MAT 396 and MAT 483)	12 hours
EGN 105	Intro. to Languages of Engineering	3 hours
EGN 106	Intro. to Computer Aided Engineering	3 hours
EGN 211	Statics	3 hours
EGN 312	Dynamics	3 hours
PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 441	Physical Chemistry I	4 hours
CHM 442	Physical Chemistry II	4 hours

**Total Major Hours** 66

\* Concurrent graduation from an accredited Engineering program. The student should consult with the Grand Canyon University engineering advisor and the requirements of the particular engineering program they plan to enter in order to select the most appropriate upper division math electives.

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

General Studies For Teacher Education Programs (pg. 100)

Minor Required

Secondary Certification Required

Mathematics for Secondary Teachers Major

MAT 270	Analytical Geom. and Calculus I	4 hours
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MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 272	Analytical Geom. and Calculus III	4 hours
MAT 300	Intro. to Mathematical Thought	3 hours
MAT 310	College Geometry	3 hours
MAT 342	Linear Algebra	3 hours
MAT 363	Probability and Statistics	3 hours
MAT 371	Advanced Calculus I	3 hours
MAT 373	Differential Equations	3 hours
MAT 443	Abstract Algebra	3 hours
MAT 483	Mathematics in the Secondary School	3 hours
CSC 100	Intro. to Computer Science I	3 hours
+PHY 115	University Physics I	4 hours
+PHY 116	University Physics II	4 hours

**Total Major Hours** 47

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

+ An alternate application sequence may be planned with department consultation and written approval.

**MINOR REQUIREMENTS — \* MATHEMATICS**

MAT 270	Analytical Geom. and Calculus I	4 hours
MAT 271	Analytical Geom. and Calculus II	4 hours
MAT 342	Linear Algebra	3 hours
MAT —	Electives from MAT 272, CSC 101, or Upper Division Mathematics + (Excluding MAT 396 and MAT 483; not less than 3 hours Upper Division Mathematics)	9 hours

**Total Minor Hours** 20

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

+ Those having a major in the College of Education may use MAT 483.

**COMPUTER APPLICATION MODULES**

**CAM 180 1 hour modules**  
**Microcomputer Applications**

Every semester. Basic studies of applications of electronic data processing. Students may select from one-hour modules to meet their objectives. Modules include, but are not limited to: A. Word Processing, B. Beginning Spreadsheet, C. Beginning Database, D. Desktop Publishing, E. Advanced Spreadsheet, and F. T. K. Solver. Prerequisites: CAM 180D requires CAM 180A, CAM 180E requires CAM 180B.

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## COMPUTER SCIENCE

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**CSC 100** **3 hours**  
**Introduction to Computer Science I**

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

**CSC 101** **3 hours**  
**Introduction to Computer Science II**

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

**CSC 120** **3 hours**  
**Digital Computer Fundamentals**

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

**CSC 155** **3 hours**  
**Using Computers in the Classroom**

Fall, 1993, and alternate years. Also **EDU 355**. This course will provide a basic knowledge of computers as related to education: How they work, what they can do for us and current issues in all teaching disciplines. It will also give practical experience enabling the student to use the computer as a tool in teaching.

**CSC 201** **1 - 2 hour modules**  
**Computer Programming Languages**

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

**CSC 204** **3 hours**  
**COBOL**

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

**CSC 220** **3 hours**  
**Assembly Language Programming**

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

**CSC 310** **3 hours**  
**Introduction to Data Structures**

Fall, 1994, and alternate years. A study of the implementation of different data structures, including trees, lists, stacks and queues. Prerequisites: CSC 101, MAT 315.

**CSC 320** **3 hours**  
**Computer Architecture and Organization**

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

**CSC 333** **3 hours**  
**Computer Curriculum Management**

Spring, 1994, and alternate years. This course provides a basic knowledge of the tools and procedures available for creating and maintaining a computer science curriculum. Prerequisite: CSC 101.

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

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

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

Fall, 1994, and alternate years. This course will provide background in the languages BASIC and LOGO, and practical experience in how to teach programming. Prerequisite: CSC 101.

**CSC 396** **2 hours**  
**Computer Science Tutoring**

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

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

Every semester. See page 42.

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

Every Spring. Students participate in group discussions of current topics with peer groups and local professional organizations. Prerequisite: Senior status.

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

Fall, 1993, and alternate years. A study of several different operating systems, and operating system structure in general. Topics include: dynamic procedure activation, system structure, memory and process management, and the evaluation of operating systems. Prerequisite: CSC 320.

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

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

**CSC 471** **3 hours**  
**Artificial Intelligence**  
Fall, 1993, and alternate years. Introduction to heuristic search, games, knowledge representation techniques, natural language understanding, expert systems and computer vision. Prerequisite: CSC 220.

**CSC 496** **3 hours**  
**Special Topics in Computer Science**  
Every year. An in-depth study of one particular topic of current interest. May be repeated for credit. Prerequisite: Instructor's approval.

**CSC 498** **1 - 3 hours**  
**Research in Computer Science**  
Every semester. A detailed study of one or more problems in computer science. May be repeated for up to 9 hours of credit, 3 of which may count as electives toward a Computer Science major. Prerequisite: Instructor's approval.

**CSC 499** **1 - 4 hours**  
**Independent Study**  
On demand. See page 42.

## ENGINEERING

**EGN 105** **3 hours**  
**Introduction to Languages of Engineering**  
On demand. Computer programming using C, freehand drawing, visualization and computer graphics.

**EGN 106** **3 hours**  
**Introduction to Computer-Aided Engineering**  
On demand. An introduction to computer-aided analysis and design using appropriate software packages. Modeling, optimization and graphic documentation will also be examined. Prerequisite: EGN 105.

**EGN 211** **3 hours**  
**Engineering Mechanics I: Statics**  
On demand. Statics involves the study of forced systems, resultants, equilibrium, distributed forces, area moments, internal stresses and friction. Prerequisites: MAT 272, PHY 116.

**EGN 312** **3 hours**  
**Engineering Mechanics II: Dynamics**  
On demand. Dynamics involves the study of the kinematics of particles, translating and rotating coordinate systems, rigid body kinematics and energy/momentum principles. Prerequisite: EGN 211.

## MATHEMATICS

**MAT 100** **3 hours**  
**Mathematical Concepts**  
Every Fall. A review of basic mathematical concepts. Topics include problem-solving, arithmetic processes and basic algebraic concepts. This course does not satisfy the University general studies requirement for math. *in CLAS, COL, COB, SCOL, CSAH*

**MAT 120** **3 hours**  
**Intermediate Algebra**  
Every semester. Topics from basic algebra: linear equations, polynomials, quadratic equations, systems of equations, exponents, roots and radicals. Prerequisite: Placement counseling or one year of high school algebra. This course satisfies the University general studies requirement for math; some colleges and majors specify MAT 121 to satisfy the requirement.

**MAT 121** **3 hours**  
**College Algebra**  
Every semester. A precalculus course on topics and algebraic properties of elementary functions. Prerequisites: Placement counseling and MAT 120 or high school equivalent. This course satisfies the College of Liberal Arts and Sciences general studies requirement for math.

**MAT 122** **2 hours**  
**College Trigonometry**  
Every Spring. A study of the trigonometric functions and their properties, as related to the unit circle and the right triangle. The course is designed to help students prepare for calculus and physics. Additional topics will be graphing, proving trigonometric identities, inverse trigonometric functions, polar coordinates and vectors. Prerequisite: MAT 120 or high school equivalent.

**MAT 130** **3 hours**  
**Contemporary Mathematics**  
Every semester. An integrated course emphasizing mathematical modeling and problem solving. Topics include: systems of numeration, the real number system, algebraic models, number theory and geometry. Prerequisite: MAT 120 or high school equivalent.

**MAT 131** **3 hours**  
**Contemporary Mathematics II**  
Every semester. A continuation and extension of the mathematical concepts presented in MAT 130 with continued emphasis on problem solving. Topics from logic and geometry, elementary probability and statistics, math of finance and number theory.

**MAT 210** **4 hours**  
**Business Calculus**  
Every Spring. Differential and integral calculus of elementary functions. Focus on applications. Prerequisite: MAT 121 or high school equivalent.

**MAT 270** **4 hours**  
**Analytical Geometry and Calculus I**  
Every Fall. A study of concepts of limits, differentiation and integration of algebraic and elementary functions. Prerequisites: MAT 121, MAT 122 or high school equivalent.

**MAT 271** **4 hours**  
**Analytical Geometry and Calculus II**  
Every Spring. A continuation of MAT 270, covering the techniques of integration, infinite series and solid analytic geometry. Prerequisite: MAT 270 or equivalent.

**MAT 272** **4 hours**  
**Analytical Geometry and Calculus III**  
Every Fall. A study of partial differentiation and multiple integration with an introduction of vector analysis and differential equations. Prerequisite: MAT 271 or equivalent.



- MAT 300** **3 hours**  
**Introduction to Mathematical Thought**  
 Every Spring. An introduction to the basic structures of mathematical thought including logic and proofs, set theory, relations and functions, selected topics from modern algebra and the real number system. Emphasis is on the student's ability to read, write and discuss mathematical ideas. Prerequisites: MAT 270, MAT 271.
- MAT 310** **3 hours**  
**College Geometry**  
 Fall, 1993, and alternate years. A course in the technique of construction and the procedure of proofs of common geometric figures, particularly adapted to the needs of future teachers of high school mathematics. A brief introduction to non-Euclidean geometry is also included.
- MAT 315** **3 hours**  
**Discrete Mathematics**  
 Spring, 1995, and alternate years. A blend of discrete and continuous mathematics to facilitate the manipulation of formulas, and to provide techniques for solving problems. Topics include recurrences, elementary number theory, generating functions, discrete probability and asymptotic methods. Prerequisite: MAT 270.
- MAT 342** **3 hours**  
**Linear Algebra**  
 Every Fall. An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. Prerequisite: MAT 271 or instructor's approval.
- MAT 363** **3 hours**  
**Probability and Statistics for Mathematics and Science**  
 Every Spring. A study of elementary theories of probability, distribution, estimation and testing of statistical hypotheses. Prerequisite: MAT 271.
- MAT 371** **3 hours**  
**Advanced Calculus I**  
 Every Fall. Sets, functions, the real numbers, topological ideas, sequences, limits, continuity and differentiation. Prerequisites: MAT 272, MAT 300 or MAT 310.
- MAT 372** **3 hours**  
**Advanced Calculus II**  
 Spring, 1995, and alternate years. Integration, series, uniform convergence and selected additional topics in analysis. Prerequisite: MAT 371.
- MAT 373** **3 hours**  
**Differential Equations**  
 Every Spring. A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics and physics. Prerequisite: MAT 272.
- MAT 396** **2 hours**  
**Mathematics Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

- MAT 443** **3 hours**  
**Abstract Algebra**  
 Fall, 1993, and alternate years. An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: MAT 300 or instructor's approval.
- MAT 461** **3 hours**  
**Complex Analysis**  
 Spring, 1995, and alternate years. An introduction to the theory and geometry of functions of a complex variable. Topics include complex numbers, analytic functions, integration, Taylor and Laurent series, the residue calculus and selected additional topics. Prerequisite: MAT 272.
- MAT 462** **3 hours**  
**Partial Differential Equations**  
 Fall, 1994, and alternate years. An introduction to the theory and solution of partial differential equations of applied mathematics: Laplace's, wave and heat conduction equations and their solution by characteristics, separation of variables, integral transforms and selected numerical methods. Prerequisite: MAT 373.
- MAT 464** **3 hours**  
**Numerical Methods**  
 Spring, 1994, and alternate years. An introduction to selected topics in numerical analysis chosen from among the following: linear algebra, interpolation, numerical solution of ordinary differential equations, quadrature, solution of nonlinear equations and optimization. Choice of topics varies. Prerequisites: MAT 100, MAT 271 and instructor's approval.
- MAT 483** **3 hours**  
**Mathematics in the Secondary School**  
 Fall, 1994, and alternate years. Topics in geometry, number theory, algebra and analysis. Emphasis is on the development of the problem solving process and unifying principles. Teaching strategies and the selection of secondary school curricular materials and classroom management experience will be included. Prerequisites: MAT 270, MAT 271.
- MAT 496** **3 hours**  
**Advanced Topics in Mathematics**  
 On demand. Upper Division topics such as History of Mathematics, Topology, Math Modeling, Number Theory, Advanced Analysis, Advanced Linear Algebra and Dynamical Systems will be offered. May be repeated for credit. Prerequisite: Instructor's approval.
- MAT 498A/298A** **1 hour**  
**Research/Projects in Applied Mathematics**
- MAT 498B/298B** **1 hour**  
**Research/Projects in Mathematics**
- MAT 498D/298D** **1 hour**  
**Research/Projects in Dynamical Systems**  
 Every semester. A detailed study or project in Dynamical Systems or some other area of the Mathematical Sciences. May be repeated for up to 9 hours credit, 3 of which may count toward the degree in mathematics. Prerequisite: Instructor's approval.
- MAT 499** **1 hour**  
**Independent Study**  
 Every Semester. See page 42.

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# Department of Natural Sciences



## DEPARTMENT DESCRIPTION

The Department of Natural Sciences provides courses for students who specialize in biology, environmental biology, chemistry, premedicine and other health sciences, and science education. It prepares students for graduate study, medical or other professional training, and employment in business, industry, government or teaching.

The department also makes available to every student at Grand Canyon University a broad liberal arts introduction to the sciences. This introduction stresses the spirit, method and concepts of science.

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

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

Department Description

Requirements

Premedical

Pre-Health Professions

Pre-Graduate

Degree Requirements

Majors

Biology (General)

Biology (Environmental)

Biology for Secondary Teachers

Chemistry

Science Teaching

Minors

Biology

Chemistry

Physics

Science Teaching

Course Descriptions

Natural Sciences

NATURAL SCIENCES

NURSING

## REQUIREMENTS — PREMEDICAL

### PREPARATIONS FOR SCHOOLS OF MEDICINE, PODIATRY, OPTOMETRY, VETERINARY SCIENCE AND DENTISTRY

Students who plan to apply to medical, podiatry, optometry, veterinary, or dental schools should obtain a premedical advisor immediately upon entering the University or upon deciding on a career in medicine. The premedical advisors are Drs. Philip Fernandez, Jerry Justus, and Mark Taylor. The advisors know the requirements of medical schools and the sequences of courses which students should or must take.

Medically-oriented students may major in biology, chemistry, or any other discipline. If they major in biology or chemistry, they are urged to minor in humanities or some other non-science area.

For favorable consideration by medical, podiatry, optometry, veterinary, or dental schools, students should take 15 or more hours of courses per semester (with the possible exception of the freshman year) and maintain A and B grades. Medical programs are rigorous. Students must demonstrate that they can successfully and comfortably manage a full schedule, allowing time for studies, rest and recreation.

Medical, podiatry, optometry, veterinary and dental schools generally require the following courses:

BIO 181, 182	General Biology I/II	8 hours
CHM 113, 115	General Chemistry I/II	8 hours
CHM 331, 332	Organic Chemistry I/II	8 hours
PHY 111, 112	General Physics I/II or	
PHY 115, 116	University Physics I/II	8 hours
ENG 101, 102	Grammar and Composition, Composition and Literature	6 hours

Articulation and early (3+4) admission agreements enable qualified students to spend three years at Grand Canyon University taking premedical courses and then four years at either the Kirksville College of Osteopathic Medicine, the New York College of Podiatric Medicine, or the Southern California College of Optometry earning a professional degree. Upon successful completion of the coursework, the students will be awarded a Bachelor of Science (B.S.) degree in biology from Grand Canyon University and either a Doctor of Osteopathy (D.O.) degree, a Doctor of Podiatric Medicine (D.P.M.) degree, or a Doctor of Optometry (O.D.) degree from the professional school.

Because other courses may be required by particular schools, students are encouraged to determine these requirements early in their undergraduate careers. A broad liberal arts background including courses in psychology, sociology and the humanities is important in the health sciences. In addition, electives from the following list should be considered:

BIO 205	Microbiology
BIO 308	Pathophysiology
BIO 340	Genetics
BIO 360	Basic Physiology
BIO 373	Mammalian Anatomy
BIO 332	Cell Biology
BIO 430	Developmental Biology
BIO 433	Histology

CHM 314	Analytical Chemistry
CHM 361	Biochemistry
MAT 270	Analytical Geometry and Calculus I
MAT 271	Analytical Geometry and Calculus II
PHI 329	Biomedical Ethics
SPC 113	Fundamentals of Speech

Students who plan to be physicians should consider part-time work, either voluntary or paid, in a hospital or clinic.

## REQUIREMENTS — PRE-HEALTH PROFESSIONS

### PHYSICAL THERAPY, OCCUPATIONAL THERAPY, MEDICAL TECHNOLOGY, SPORTS MEDICINE, HEALTH ADMINISTRATION AND PHARMACY

Students who plan to apply to various schools of health sciences should obtain a health professions advisor immediately upon entering Grand Canyon University or deciding upon their careers. The health professions advisors are Drs. Erdie Morris, Jim Witherspoon and Mark Taylor. The requirements for such programs are more diverse than for medical schools. Many programs in physical therapy, for example, require Human Anatomy and Physiology in place of General Biology. Consult your advisor about requirements for specific fields.

The Department of Natural Sciences at Grand Canyon University is currently developing its own programs in physical therapy, occupational therapy and pharmacy. Please consult with the Natural Sciences advisors for more information.

Articulation and early (3+2) admission agreements allow qualified students to become physical therapists, occupational therapists, health administrators, and sports medicine professionals at the Kirksville College of Osteopathic Medicine. Students spend three years at Grand Canyon University taking prerequisite courses and then two years at the Kirksville College of Osteopathic Medicine earning a professional degree. Upon successful completion of coursework, the students will be awarded a bachelor's degree from Grand Canyon University and a master's degree from the professional school.

## REQUIREMENTS — PRE-GRADUATE

### PREPARATION FOR GRADUATE STUDY

Students who plan to apply to graduate schools in biology should take all the required courses in biology and others. For 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 complete BIO 498: Research in Biology among their courses.

### DEGREE REQUIREMENTS - BIOLOGY (B.S. DEGREE; Minor Required)

General Studies (pg. 51)  
(Note: MAT 121 or higher required.)

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

Minor Required

Biology  
BIO  
BIO  
BIO  
BIO  
BIO  
BIO  
BIO  
BIO  
CHM 113  
CHM 115  
CHM 331  
CHM 332  
PHY 111  
PHY 112  
CAM 180  
MAT 270  
ENG 301  
PHY 115 and  
PSY 363 ma  
GREE REQ  
BIOLOGY (B.S.)  
General Studies (Note: MAT 121  
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Senior  
Biology  
102  
Intro. to  
113  
General  
115  
General  
101  
Intro. to  
180  
Microcom  
363  
Introducti  
and Stat  
301  
Advanced  
Total Major  
one of each of th  
426 Aquatic Ecology  
481 Vertebrate Zoology

**Biology Major**

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 320	Fundamentals of Ecology	3 hours
BIO 332	Cell Biology	3 hours
BIO 340	Genetics	4 hours
BIO 360	Basic Physiology	4 hours
BIO 401	Senior Seminar	2 hours
BIO —	Biology Electives	8 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
* PHY 111	General Physics I	4 hours
* PHY 112	General Physics II	4 hours
CAM 180	Microcomputer Applications	3 hours
+ MAT 270	Analytical Geometry and Calculus I	4 hours
ENG 301	Advanced Composition	3 hours

**Total Major Hours** 65

\* PHY 115 and PHY 116 may be substituted.

+ PSY 363 may be substituted.

**DEGREE REQUIREMENTS — ENVIRONMENTAL BIOLOGY (B.S. DEGREE; Minor Required)****General Studies (pg. 51)**

(Note: MAT 121 or higher required.)

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

**Minor Required****Environmental Biology Major**

BIO 105	Environmental Biology	4 hours
BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 184	Plant Biology	4 hours
BIO 320	Fundamentals of Ecology	4 hours
BIO 350	Comparative Invertebrate Zoology	4 hours
BIO 360	Basic Physiology	4 hours
BIO 399	Environmental Biology Practicum	1 hour
BIO 401	Senior Seminar	2 hours
* BIO —	Biology Electives	10 hours
CHM 102	Intro. to Organic/Biochemistry	4 hours
CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
PHY 101	Intro. to Physical Science	4 hours
CAM 180	Microcomputer Applications	3 hours
PSY 363	Introduction to Probability and Statistics	3 hours
ENG 301	Advanced Composition	3 hours

**Total Major Hours** 66

\* Choose one of each of the paired courses:

BIO 426 Aquatic Ecology or BIO 384 Human Ecology

BIO 481 Vertebrate Zoology I or BIO 482 Vertebrate Zoology II

**DEGREE REQUIREMENTS — \* BIOLOGY FOR SECONDARY TEACHERS (B.S. DEGREE; Minor Required)****General Studies For Teacher Education Programs (pg. 100)**

(Note: MAT 121 or higher required.)

**Minor Required****Secondary Certification Required****Biology for Secondary Teachers Major**

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO 320	Fundamentals of Ecology	4 hours
BIO 340	Genetics	4 hours
BIO —	Upper Division Biology Elective(s)	7 hours
+ CHM 101	Introduction to Chemistry	4 hours
+ CHM 102	Intro. to Organic/Biochemistry	4 hours
CAM 180	Microcomputer Applications	3 hours
PHY 101	Introduction to Physical Science	4 hours

**Total Major Hours** 46

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

+CHM 113 and CHM 115 are required for Chemistry minors.

**MINOR REQUIREMENTS — \* BIOLOGY**

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO —	Biology Electives including 6 hours Upper Division	12 hours

**Total Minor Hours** 20

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

**DEGREE REQUIREMENTS — CHEMISTRY (B.S. DEGREE; Minor Required)****General Studies (pg. 51)**

(Note: MAT 121 or higher required.)

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

**Minor Required****Chemistry Major**

CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 314	Analytical Chemistry	5 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
CHM 361	Biochemistry	4 hours
CHM 401	Senior Seminar	2 hours
CHM 441	Physical Chemistry I	4 hours
CHM 442	Physical Chemistry II	4 hours

CAM 180	Microcomputer Applications	3 hours
ENG 301	Advanced Composition	3 hours
MAT 270	Analytical Geometry and Calculus I	4 hours
MAT 271	Analytical Geometry and Calculus II	4 hours
PHY 115	University Physics I	4 hours
PHY 116	University Physics II	4 hours

**Total Major Hours** 57

**MINOR REQUIREMENTS — \* CHEMISTRY**

CHM 113	General Chemistry I	4 hours
CHM 115	General Chemistry II	4 hours
CHM 331	Organic Chemistry I	4 hours
CHM 332	Organic Chemistry II	4 hours
CHM —	Chemistry Elective(s)	4 hours

**Total Minor Hours** 20

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

**MINOR REQUIREMENTS — \* PHYSICS**

+PHY 115	University Physics I	4 hours
+PHY 116	University Physics II	4 hours
++PHY —	Physics Electives (6 hours must be Upper Division)	12 hours

**Total Minor Hours** 20

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

+PHY 111 and PHY 112 may be substituted.

++ Electives may include CHM 441, CHM 442, EGN 211, or EGN 312.

**DEGREE REQUIREMENTS - \* SCIENCE TEACHING  
(B.S. DEGREE; No Minor Required)**

The teaching major or minor in science is designed to give prospective teachers a broad introduction to science rather than specializations in one field. It is particularly useful for teachers in grades 4 - 8 who will be teaching both life and physical sciences.

General Studies For Elementary Teacher Education Programs (pg. 100)

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

Elementary Certification Required

Science Teaching Major

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
BIO 384	Human Ecology	4 hours
CHM 101	Introduction to Chemistry	4 hours
CHM 102	Introduction to Organic/Biochemistry	4 hours
CAM 180	Microcomputer Applications	3 hours
GLG 101	Introduction to Geology	4 hours

PHY 101	Introduction to Physical Science	4 hours
PHY 107	Astronomy	4 hours

**Total Major Hours**

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

**MINOR REQUIREMENTS — \* SCIENCE TEACHING**

BIO 181	General Biology I	4 hours
BIO 182	General Biology II	4 hours
CHM 101	Introduction to Chemistry	4 hours
PHY 101	Introduction to Physical Science	4 hours
— —	Electives in Science (6 hours must be Upper Division)	8 hours

**Total Minor Hours**

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

**BIOLOGY**

**BIO 100** 4 hours  
**Biology Concepts**

Every Spring. A complete overview of the science of biology from a human perspective. Topics include cells, energetics, ecology, inheritance, evolution, embryology, anatomy and physiology. Three hours lecture, three hours lab. This course does not apply toward the biology major.

**BIO 105** 4 hours  
**Environmental Biology**

Every Fall. Study of the fundamentals of ecology and their relevance to human impact on natural ecosystems. Three hours lecture, three hours lab.

**BIO 181** 4 hours  
**General Biology I**

Every Fall. Biological concepts emphasizing the interplay of structure and function at the molecular, cellular and organismal level of organization. Three hours lecture, three hours lab.

**BIO 182** 4 hours  
**General Biology II**

Every Spring. Study of organ systems, characteristics of the major groups of plant and animal life, and the ecological interaction of organisms with each other and their environment. Three hours lecture, three hours lab. Prerequisite: BIO 181 or instructor's approval.

**BIO 184** 4 hours  
**Plant Biology**

Spring, 1994, and alternate years. A study of the principles and processes in plant biology with emphasis on vascular plants. Includes survey of plant kingdom, plant ecology, and economic botany. Three hours lecture, three hours lab.

**BIO 201** 4 hours  
**Human Anatomy and Physiology I**

Every Fall. A study of the structure and function of the following human systems: skeletal, muscular, nervous, endocrine. Three hours lecture, three hours lab. Ordinarily no credit for biology majors (except those in physical therapy). Majors take BIO 373 and BIO 360 instead.

**BIO 202** 4 hours  
**Human Anatomy and Physiology II**

Every Spring. A study of the structure and function of the following human systems: cardiovascular, respiratory, digestive, urinary, and reproductive. Three hours lecture, three hours lab. Prerequisite: BIO 201 or instructor's approval. Ordinarily no credit for biology majors (except those in physical therapy). Majors take BIO 373 and BIO 360 instead.

**BIO 205** 3 - 4 hours  
**Microbiology**

Every semester. An introduction to the principles and applications of microbiology, with a study of the general characteristics of microorganisms and their relationship to man. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182 or instructor's approval.

**BIO 308** 3 hours  
**Pathophysiology**

Every semester. Manifestations of altered human physiology and disease. Systems theory is used to analyze the relationship between disease and physiology. Prerequisites BIO 201, BIO 202, and BIO 205, or BIO 205 and BIO 360 or instructor's approval.

**BIO 320** 3 - 4 hours  
**Fundamentals of Ecology**

Every Fall. Study of plants and animals as individuals and in communities in relation to their physical and biological environment. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

**BIO 332** 3 hours  
**Cell Biology**

Every Fall. A comprehensive study of the composition, structure, regulation, and growth of eukaryotic cells. Three hours lecture. Prerequisites: BIO 181, BIO 182.

**BIO 340** 3 - 4 hours  
**Genetics**

Every Spring. A comprehensive examination of the principles of heredity and variation, including Mendelian genetics, molecular genetics, and population genetics. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182 or instructor's approval.

**BIO 350** 4 hours  
**Comparative Invertebrate Zoology**

Fall, 1993, and alternate years. Morphology, life cycles, and adaptations of invertebrate organisms. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

**BIO 360** 4 hours  
**Basic Physiology**

Every Spring. A study of the functions of cells, organs and systems of vertebrates, with the emphasis on humans. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

**BIO 373** 2 hours  
**Human Dissection**

Every Fall. A laboratory study of the structure of mammals, with the emphasis on humans. This limited enrollment course includes a dissection of human cadavers. Six hours lab. Prerequisites: BIO 181, BIO 182 and instructor's approval.

**BIO 384** 3 - 4 hours  
**Human Ecology**

Every Fall. Also **SOC 384**. A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences. Three hours lecture, three hours lab.

**BIO 396** 2 hours  
**Biology Tutoring**

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

**BIO 399** 1 - 4 hours  
**Practicum**

On demand. See page 42.

**BIO 401** 2 hours  
**Senior Seminar**

Every semester. A course in which students study methods of writing and speaking, write one or more scholarly papers based on extensive review of scientific literature, and speak on the topic of the papers. Prerequisite: Open only to seniors who are biology or chemistry majors.

**BIO 426** 4 hours  
**Aquatic Ecology**

Spring, 1995, and alternate years. A study of the physical and biological components of aquatic ecosystems and adaptations of aquatic organisms. Laboratory investigations include methods of sampling and analyzing water and aquatic life. Three hours lecture, three hours lab. Prerequisite: BIO 320.

**BIO 430** 3 - 4 hours  
**Developmental Biology**

Every Spring. A comprehensive examination of topics in developmental biology, including genetic regulation, nucleocytoplasmic interactions, morphogenesis, pattern formation and cell differentiation. Three hours lecture. Prerequisites: BIO 181, BIO 182.

**BIO 433** 4 hours  
**Histology**

Spring, 1994, and alternate years. A study of the microscopic structure and function of human tissues. Three hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

**BIO 480** 3 hours  
**Methods of Teaching Biology in the Secondary School**

On demand. Methods of instruction, organization, and presentation of content in biology. Two hours lecture, three hours lab. Prerequisites: BIO 181, BIO 182.

**BIO 481** **4 hours**  
**Vertebrate Zoology I**  
 Fall, 1994, and alternate years. A study of the systematics, morphology, and ecology of fish, amphibians and reptiles. Prerequisites: BIO 181, BIO 182.

**BIO 482** **4 hours**  
**Vertebrate Zoology II**  
 Spring, 1995, and alternate years. Systematics, morphology and ecology of birds and mammals. Three hours lecture, three hours lab. Prerequisite: BIO 481.

**BIO 496** **1 - 4 hours**  
**Advanced Topics in Biology**  
 On demand. Each year appropriate topics will be offered at an advanced level. May be repeated for credit. Credit will range from one to four credits depending on the topic. Prerequisite: Instructor's approval.

**BIO 498** **1 - 6 hours**  
**Research in Biology**  
 Every semester. A detailed study of one or more biological problems. May be repeated for up to nine hours of credit, three of which may count toward electives in biology. Prerequisites: BIO 181, BIO 182, consultation with and instructor's approval.

**BIO 499** **1 - 4 hours**  
**Independent Study**  
 On demand. See page 42.

## CHEMISTRY

**CHM 101** **4 hours**  
**Introduction to Chemistry**  
 Every Fall. An introduction to the principles of chemistry designed for students without a strong background in chemistry. Topics covered include a survey of the chemical and physical properties of elements and compounds, chemical reactions, chemical energetics, acids and bases, and chemical bonding. Three hours lecture, three hours lab.

**CHM 102** **4 hours**  
**Introduction to Organic and Biochemistry**  
 Every Spring. Continuation of **CHM 101**. Survey of the properties and reactions of organic compounds, with emphasis on the chemical nature of biological processes. Topics covered include identification and reactions of organic compounds, protein structure and function, carbohydrates and lipids, and nucleic acids, and the biological production and use of energy. Three hours lecture, three hours lab. Prerequisite: CHM 101.

**CHM 113** **4 hours**  
**General Chemistry I**  
 Every Fall. An exploration of the principles of modern chemistry. Topics covered include the chemical and physical properties of elements and compounds, reaction stoichiometry, equilibria, and energetics, atomic and molecular structure. Three hours lecture, three hours lab.

**CHM 115** **4 hours**  
**General Chemistry II**  
 Every Spring. Continuation of **CHM 113**. Topics include thermodynamics, descriptive chemistry of the elements, electrochemistry, nuclear chemistry and kinetics. Three hours lecture, three hours lab. Prerequisite: CHM 113.

**CHM 314** **5 hours**  
**Analytical Chemistry**  
 Every Fall. Principles of quantitative and instrumental analysis. Topics include titrimetric, gravimetric, and analytical separation methods; and optical, magnetic and electroanalytical methods of analysis. Three hours lecture, six hours lab. Prerequisite: CHM 115.

**CHM 331** **4 hours**  
**Organic Chemistry I**  
 Every Fall. Systematic study of the chemistry of carbon compounds. Structure, synthesis, reactions, and analysis of aliphatic and aromatic compounds are covered. Three hours lecture, three hours lab. Prerequisite: CHM 115.

**CHM 332** **4 hours**  
**Organic Chemistry II**  
 Every Spring. Continuation of **CHM 331**. Analysis and reactions of organic functional groups, and relationships between structure and reaction mechanisms are covered. Three hours lecture, three hours lab. Prerequisite: CHM 331.

**CHM 361** **4 hours**  
**Biochemistry**  
 Every Spring. Study of the chemical basis of biological processes. Topics covered include protein structure and function, carbohydrate and lipid chemistry, nucleic acids, genetic function, biological energy production and photosynthesis. Three hours lecture, three hours lab. Prerequisite: CHM 331.

**CHM 396** **2 hours**  
**Chemistry Tutoring**  
 Every semester. Designed to train students to help others who are experiencing difficulty in their regular coursework. Emphasis is placed on learning strategies, time management, study skills and test taking. May be repeated for no credit. Prerequisites: Approval of the Department Chair and the Tutor Program Coordinator.

**CHM 399** **1 - 4 hours**  
**Practicum**  
 On demand. See page 42.

**CHM 401** **2 hours**  
**Senior Seminar**  
 Every semester. A course in which students study methods of writing and speaking, write one or more scholarly papers based on an extensive review of scientific literature and speak on the topic of the papers. Prerequisite: Open only to Seniors who are biology or chemistry majors.

**CHM 441** **4 hours**  
**Physical Chemistry I**  
 Every Fall. A study of the physical and chemical behavior of gases, liquids, solids, and solutions. Treatment includes thermodynamics, electrochemistry, and the kinetic molecular theory of ideal and non-ideal gases. Three hours lecture, three hours lab. Prerequisites: CHM 115, MAT 271.

**CHM 442** 4 hours  
**Physical Chemistry II**

Every Spring. Continuation of **CHM 441**. Chemical kinetics and the development of modern atomic theory is studied, with emphasis on quantum theory, ligand fields and molecular spectroscopy. Three hours lecture, three hours lab. Prerequisite: CHM 441.

**CHM 496** 3 hours  
**Advanced Topics in Chemistry**

On demand. May be repeated for credit. Prerequisite: Instructor's approval.

**CHM 498** 1 - 6 hours  
**Research in Chemistry**

Every semester. A detailed study of one or more chemical problems. May be repeated for up to nine hours of credit. Prerequisite: Consultation with and instructor's approval.

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

On demand. See page 42.

## GEOLOGY

**GLG 101** 4 hours  
**General Geology**

Every Spring. An introduction to physical and historical geology with an emphasis on the geology of Arizona. The relation of geology to man's culture and economic development is stressed. Three hours lecture, three hours lab.

## PHYSICS

**PHY 101** 4 hours  
**Introduction to Physical Science**

Every Spring. A survey of physical science emphasizing applications of physics to modern life. Three hours lecture, three hours lab.

**PHY 107** 4 hours  
**Astronomy**

Every Fall. A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the nonscientific student; designed to develop an appreciation and understanding of the natural laws of the universe. Three hours lab, three hours lecture.

**PHY 111** 4 hours  
**General Physics I**

Every Fall. Survey of physical principles and concepts, using mathematical descriptions based on algebra and trigonometry. Topics covered include force and motion, physical properties of materials, and thermodynamics. Three hours lecture, three hours lab. Prerequisite: MAT 121.

**PHY 112** 4 hours  
**General Physics II**

Every Spring. Continuation of **PHY 111**. Topics covered include wave motion, electrostatics, optics, and magnetism. Three hours lecture, three hours lab. Prerequisite: PHY 111.

**PHY 115** 4 hours  
**University Physics I**

Every Fall. Rigorous treatment of physical principles and concepts using mathematical descriptions based on calculus. Topics covered include mechanics, thermodynamics and wave motion. Three hours lecture, three hours lab. Prerequisite: MAT 271.

**PHY 116** 4 hours  
**University Physics II**

Every Spring. Continuation of **PHY 115**. Topics covered include electromagnetism, optics and quantum theory. Three hours lecture, three hours lab. Prerequisite: PHY 115.

**PHY 396** 2 hours  
**Physics Tutoring**

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

**PHY 496** 3 hours  
**Advanced Topics in Physics**

On demand. Courses such as modern physics, thermodynamics or materials science will be offered. May be repeated for credit. Prerequisite: Instructor's approval.

**PHY 498** 1 - 6 hours  
**Research in Physics**

Every semester. A detailed study of one or more physical problems. May be repeated for up to nine hours of credit, three of which may count toward electives in physics. Prerequisite: Instructor's approval.

NURSING



# Samaritan College of Nursing



College Description

College of Nursing Features

Degree Requirements

Nursing

Course Descriptions

*Samaritan College  
of Nursing*

NURSING

**COLLEGE DESCRIPTION**

Samaritan College of Nursing is an integral part of Grand Canyon University, working closely with the College of Liberal Arts and Sciences and the Department of Natural Sciences. The curriculum leads to the degree of Bachelor of Science in Nursing. Courses are designed to assist the student to assess the individual, the family and communities, to utilize Functional Health Patterns within a variety of clinical settings, to formulate nursing diagnoses, plan nursing interventions and to function as a professional within the health care team. Emphasis is on both a strong academic foundation and nursing practice. The student will have supervised clinical experiences in health care agencies within the metropolitan area. The student is responsible for personal transportation and uniform expenses necessary for the nursing major. Students are also expected to reflect the stated purpose of Grand Canyon University while representing the nursing program in the various clinical areas.

Attendance at a Department Seminar is required of students prior to applying to the nursing major. It is scheduled twice a semester to present the philosophy, curriculum and the application process. Application packets are available from the College Office. Applications for the Fall semester are due in March, and in October for the Spring semester. The application procedure requires a completed application form, health history and physical examination, an interview, three selected references, successful completion of math and Writing Proficiency Examinations and satisfactory completion of nursing prerequisites. Acceptance into the Samaritan College of Nursing is determined by the College of Nursing faculty upon the recommendation of the Student Affairs Committee and clinical space availability. Students who have completed their prerequisites at Grand Canyon University are given priority in consideration for acceptance. A cumulative grade point average (GPA) of 2.50 and a GPA of 2.80 in prerequisites are recommended. Admission to Grand Canyon University does not guarantee acceptance into the nursing program. An accelerated curriculum is available for R.N. students.

Graduation from the nursing program requires successful completion of the prerequisites, sequential nursing coursework and all general studies. Students must maintain a 2.50 GPA in clinical nursing coursework.

Registered Nurse licensing requirements are the exclusive responsibility of the State Board of Nursing (Nurse Practice Act, A.R.S. Sections 32-1601 et. seq.), and must be satisfied independently of any requirements for graduation from the University. The baccalaureate program is approved by the Arizona State Board of Nursing, accredited through the National League for Nursing and the College is a member of the American Association of Colleges of Nursing and a charter member of the Western Institute of Nursing.

**COLLEGE OF NURSING FEATURES**

**FACULTY**

The courses are taught by Master's- or Doctoral-prepared experienced faculty often at a faculty-to-student ratio of 1:8 to 1:10.

**CLINICAL EMPHASIS**

Nursing practice in the hospital starts during the sophomore year. During the last two years, students spend approximately 18 - 24

hours per week in a clinical experience learning to apply the in patient-care situations.

**PRACTICUM IN NURSING**

This last course of the program is designed to assist the student in role transition and in gaining confidence in a specialty area. In this course students may select from many practice areas such as emergency department, intensive care, labor and delivery and community health.

**EMPLOYMENT OPPORTUNITIES**

Development of a resume and interview skills are part of the senior studies. Seniors are actively recruited for employment by hospitals prior to graduation. Agencies frequently contact the College of Nursing to request students for employment over the summers or holidays. Students are eligible to take the Nurse Aide examination given by the State Board of Nursing after completing NUR 202.

**NURSING SCHOLARSHIP**

Designated funds are allocated for nursing students based on previous academic work and financial need. Prenursing scholarships are available to high school seniors, transfer and returning students. Contact the College of Nursing for more information.

**FACILITY**

The Samaritan College of Nursing building provides an academic setting for an optimal educational experience. The student parking lot is adjacent to the building. A Learning Resources Center with microcomputers and audio-visual hardware was designed for individual or group activities. A nursing lab simulates the hospital environment for student practice. Students have the opportunity for video production in a studio designed for this purpose.

**SPIRITUAL EMPHASIS**

Recognition of the spiritual needs of all persons is included as an integral part of caring for self and others. The spiritual dimension is integrated into each nursing course throughout the curriculum. A required ethics course provides an opportunity to develop a Christian ethical approach to the future professional.

**LOCATION**

The University is located in metropolitan Phoenix with access to a variety of clinical agencies. Agencies include large and small medical facilities such as Good Samaritan Regional Medical Center, Maryvale Samaritan Medical Center, Samaritan Camelback Behavior Health Center, Thunderbird Samaritan Medical Center and Phoenix Baptist Hospital.

**ADVANCED EDUCATION/CERTIFICATE PROGRAMS**

The College of Nursing offers advanced nursing education to prepare for practice in flight nursing or as a Neonatal Nurse Practitioner. These courses are available only to registered nursing students and require a separate admission process. Interested students should contact the College of Nursing for additional information.

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## FINANCIAL AID / SCHOLARSHIPS

Financial Aid processing and advisement is available through the University's Office of Financial Aid. Nursing students may be eligible for Pell Grants, Supplemental Loans, the Guaranteed Student Loan Program, Department Scholarships, Academic Scholarships and agency tuition reimbursement programs.

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

### Section 1. Information for Generic Student

#### PREREQUISITES FOR NURSING

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO 205	Microbiology	4 hours
BIO 308	Pathophysiology	3 hours
CHM 101	Introduction to Chemistry	4 hours
ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours
NUR 204	Applied Nutrition	3 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours
SOC 101	Introduction to Sociology	3 hours

**Total** **37 hours**

#### NURSING MAJOR REQUIREMENTS

NUR 202	Fundamentals of Nursing	8 hours
NUR 203	Introduction to Pharmacology	3 hours
NUR 301	Adult Health Nursing	6 hours
NUR 302	Psychiatric-Mental Health Nursing	6 hours
NUR 303	Nursing Care of the Childbearing Family	6 hours
NUR 304	Family-Centered Child Health Nursing	6 hours
NUR 310	Physical Assessment for Health Care	3 hours
NUR 398	Research in Nursing	2 hours
NUR 401	Community Health Nursing	6 hours
NUR 402	Nursing Care of the Critically Ill Adult	6 hours
NUR 403	Management Concepts and Leadership Behaviors in Nursing	6 hours
NUR 406	Trends and Issues in Nursing	2 hours
NUR 498	Practicum in Nursing	3 hours

**Total** **63 hours**

#### REQUIREMENTS FOR GRADUATION NOT MET BY NURSING PREREQUISITES

##### Christian Studies (6 hours)

BIB 101/113	OT Survey/OT History	3 hours
BIB 102/123	NT Survey/NT History	3 hours

##### Humanities (6 hours)

PHI 329	Biomedical Ethics	3 hours
— —	Art, Music, Theatre Elective	3 hours

##### Social Sciences (Select one only) (3 hours)

HIS 101	Western Civilization to 1815	
HIS 102	Western Civilization Since 1815	
HIS 103	Early American History	
HIS 104	Recent American History	

##### Sciences (6 hours)

PSY 363	Introduction to Probability and Statistics	3 hours
MAT 120	Intermediate Algebra	3 hours

##### Physical Education (2 hours)

PED —	Two different activity courses	2 hours
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##### Electives

5 hours

**Total** **28 hours**

**TOTAL REQUIREMENTS FOR B.S.N. GRADUATION** **128 hours**

#### SUGGESTED CURRICULUM PLAN GENERIC OR TRANSFER STUDENTS

##### Freshman Year

###### First Semester

ENG 101	Grammar and Composition	3 hours
BIO 201	Anatomy and Physiology I	4 hours
CHM 101	Introduction to Chemistry	4 hours
— —	Bible, History, or Humanities Elective	3 hours
PED —	P.E. Activity	1 hour

15 hours

###### Second Semester

ENG 102	Composition and Literature	3 hours
BIO 202	Anatomy and Physiology II	4 hours
SOC 101	Introduction to Sociology	3 hours
PSY 101	General Psychology	3 hours
MAT 120	Intermediate Algebra	3 hours
PED —	P.E. Activity	1 hour

17 hours

###### Summer Session

NUR 204	Applied Nutrition	3 hours
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3 hours

##### Sophomore Year

###### First Semester

BIO 205	Microbiology	4 hours
PSY 341	Lifespan Development	3 hours
PSY 363	Introduction to Statistics	3 hours
— —	Bible, History, or Humanities Electives	6 hours

16 hours

Second Semester		
NUR 202	Fundamentals of Nursing	8 hours
NUR 203	Introduction to Pharmacology	3 hours
BIO 308	Pathophysiology	3 hours
		14 hours

Summer Session		
— —	Electives	2 hours
		2 hours

**Junior Year**

First Semester		
NUR 301	Adult Health Nursing	6 hours
NUR 302	Psychiatric-Mental Health Nursing	6 hours
NUR 310	Physical Assessment for Health Care	3 hours
		15 hours

Second Semester		
NUR 303	Nursing Care of the Childbearing Family	6 hours
NUR 304	Family-Centered Child Health Nursing	6 hours
NUR 398	Research in Nursing	2 hours
— —	Bible, History, or Humanities Elective	3 hours
		17 hours

**Senior Year**

First Semester		
NUR 401	Community Health Nursing	6 hours
NUR 402	Nursing Care of the Critically Ill Adult	6 hours
PHI 329	Biomedical Ethics	3 hours
		15 hours

Second Semester		
NUR 403	Management Concepts and Leadership Behaviors in Nursing	6 hours
NUR 406	Trends and Issues in Nursing	2 hours
NUR 498	Practicum in Nursing	3 hours
— —	Elective	3 hours
		14 hours

**Total for Bachelor of Science in Nursing 128 hours**

(This schedule may be adjusted based on individual needs.)

**Section 2. Information for Registered Nurse A.D.N. Graduates**

**\* PREREQUISITES FOR NURSING**

BIO 201	Human Anatomy and Physiology I	4 hours
BIO 202	Human Anatomy and Physiology II	4 hours
BIO 205	Microbiology	4 hours
CHM 101	Introduction to Chemistry	4 hours
ENG 101	Grammar and Composition	3 hours
ENG 102	Composition and Literature	3 hours
NUR 204	Applied Nutrition	3 hours
+BIO 308	Pathophysiology	3 hours
PSY 101	General Psychology	3 hours
PSY 341	Lifespan Development	3 hours

SOC 101	Introduction to Sociology	3 hours
<b>Total</b>		<b>37 hours</b>

\* MAT 120 is not a prerequisite, but it is highly recommended.  
+Prerequisite for NUR 401 and NUR 402 for RN Students.

**REQUIREMENTS FOR GRADUATION NOT MET BY NURSING COURSES AND PREREQUISITES**

PSY 363	Introduction to Probability and Statistics	3 hours
BIB 101/113	OT Survey/OT History	3 hours
BIB 102/123	NT Survey/NT History	3 hours
PHI 329	Biomedical Ethics	3 hours
NUR —	Technical Credit	
		(Awarded for A.D.N. R.N.)
— —	Electives (Not Technical Credit)	16 hours
		11 hours
<b>Total</b>		<b>39 hours</b>

**NURSING MAJOR REQUIREMENTS**

* NUR 301	Adult Health Nursing	6 hours
* NUR 302	Psychiatric - Mental Health Nursing	6 hours
* NUR 303	Nursing Care of the Childbearing Family	6 hours
* NUR 304	Family-Centered Child Health Nursing	6 hours
NUR 307	Introduction to Baccalaureate Concepts	6 hours
NUR 310	Physical Assessment for Health Care	3 hours
NUR 398	Research in Nursing	2 hours
NUR 401	Community Health Nursing	6 hours
NUR 402	Nursing Care of the Critically Ill Adult	6 hours
NUR 403	Management Concepts and Leadership Behaviors in Nursing	6 hours
NUR 406	Trends and Issues in Nursing	2 hours
NUR 498	Practicum in Nursing	3 hours

**Total 58 hours**

\* Up to 18 credit hours of the 24 credit hours for these four junior year nursing courses may be awarded by challenge examination. NUR 307, NUR 310, and NUR 398 complete the 29 hours of junior year nursing course requirements.

**R.N. DEGREE COMPLETION**

Samaritan College of Nursing also offers an accelerated R.N. to B.S.N. degree completion option. The individual progresses through the standard curriculum sequence with opportunities for challenge examination to recognize previous learning. Individual advisement with faculty is available throughout the year.

Eleven hours of sophomore nursing courses are waived (NUR 202 and NUR 203) and up to 16 hours of technical credit are awarded for lower division nursing coursework from an accredited college or university. Up to 18 hours of the junior year coursework may be awarded by challenge examination. NUR 307 Introduction to Baccalaureate Concepts (6 hours), NUR 398 Research in Nursing (2 hours) and NUR 310 Physical Assessment for Health Care (3 hours) complete the 29 hours of junior year nursing course requirements.

The R.N.-to-B.S.N. option is available for full- or part-time study. If enrollments are sufficient, nursing clinical R.N. to B.S.N. courses

courses will meet in afternoon hours, one day a week, with clinical experiences to be arranged.

Students in this program have the option of attending generic classes. Most nursing clinical classes will offer an R.N. section depending on enrollment.

This accelerated option is designed for full-time study. Part-time study may be arranged depending on the availability of clinical space.

### ADMISSION REQUIREMENTS

The admission process and requirements for the R.N. with a current Arizona license and two or more years of current nursing experience are consistent with those required for generic students.

### COURSES WAIVED/CREDIT GRANTED

NUR 202 Fundamentals of Nursing (8 hours), and NUR 203 Introduction to Pharmacology (3 hours) are waived for the R.N. student, based on current practice. Humanities credits, electives or other courses are recommended for credit substitution. Sixteen hours of technical credit are granted for A.D.N. graduates.

### JUNIOR YEAR OPTION

To meet Junior year nursing requirements, all R.N. students must test for 18 hours upper division nursing credit to attend under the R.N.-to-B.S.N. Degree Option. This testing may be done anytime prior to program entry. Results must be received prior to registration for senior year nursing courses.

If the scores on any or all examinations are not satisfactory, the student is allowed one retake of each unsatisfactory examination. If scores are still below an acceptable level, the student will be required to take a "Reading and Conference" course in the area of the weakness prior to entry into senior year nursing courses.

NCLEX review books and computer programs available in the Samaritan College of Nursing Audio Visual Lab may be helpful in preparing for these examinations.

After satisfactory results are received, the student will be notified to complete the forms necessary to have the 18 credits posted on his/her transcript. A posting fee will be charged by the Office of the Registrar.

Two options for testing are presented:

1.) ACTPEP Tests

#545 Adult Nursing, #457 Maternal and Child Nursing Baccalaureate level and #503 Psychiatric/Mental Health Nursing. A minimum score of 45 must be achieved on each test. These tests are administered at nationally approved test sites throughout the country and are available on specific dates at Arizona State University. A fee is involved.

2.) NLN Mobility examinations in Childbearing, Childrearing, Adult Health, and Mental Disorders. A minimum decision score of 85 is required with an average decision score of 95 on all four tests. These examinations are available at Grand Canyon University through the Samaritan College of Nursing and testing can be arranged according to convenience. Please call the College to arrange to take one or more of the examinations.

A testing fee of \$35.00 per examination will be assessed to cover the costs NLN charges to provide and score the tests.

### SENIOR YEAR OPTION

R.N.s in the R.N.-to-B.S.N. Degree Option are eligible to test for a three credit waiver of NUR 402, Nursing Care of the Critically Ill Adult. Successful performance on the test will allow the student to register for a three credit, R.N.-only, section of NUR 402. All students are still required to earn 128 credits (45 hours upper division) to meet degree requirements.

The Practicum in Nursing (NUR 498) allows the A.D.N./R.N. student a choice in area of interest to facilitate role transition and career opportunities. During the practicum, the graduating student develops learning objectives with a Preceptor. A variety of agencies accommodate the A.D.N./R.N. student in roles of management, education or clinical practice.

### LENGTH OF STUDIES

For the A.D.N./R.N. student who has completed all of the prerequisites, a minimum of 24 months of full-time study would be needed to complete all degree requirements. Some students may need additional time in order to meet all prerequisites or to complete the courses required for graduation.

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## NURSING

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### NUR 201

2 hours

#### Goals in Health Care

On demand. Goals in Health Care offers an overview of the nursing profession and the interaction between nursing and other health care professions. The process of education and practice are discussed as well as health trends. The process of communication, helping, problem-solving, teaching/learning and leadership as essential components of nursing practice are presented. This is an elective nursing course and is encouraged for those individuals interested in entering nursing.

### NUR 202

8 hours

#### Fundamentals of Nursing

Every semester. Fundamentals of Nursing 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. Communication, teaching, helping, problem-solving and leadership skills are introduced and integrated into the clinical practice. Prerequisite: Acceptance into the nursing program.

### NUR 203

3 hours

#### Introduction to Pharmacology

Every semester. Introduction to Pharmacology provides an 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: BIO 201, BIO 202.

**NUR 204** **3 hours**

**Applied Nutrition**

Every Summer. Applied Nutrition provides a foundation of basic nutrition theory. The focus will be on assessment, food components, exercise and nutrition, weight control, community programs and resources. Application and analysis of these aspects are used to promote health and prevent illness.

**NUR 208** **3 hours**

**Living with Loss**

On demand. Living with Loss is designed to increase the awareness of loss-grief experiences by exploration of bereavement behavior and coping skills as provided by Kubler-Ross, Garfield and Engle and Leming. Content includes case studies, field trip, experiential sharing, films and reading. There will be an optional opportunity to become a hospice volunteer by attending additional sessions and paying a fee.

**NUR 301** **6 hours**

**Adult Health Nursing**

Every semester. Adult Health Nursing focuses on nursing theories and concepts that are applicable to the care of hospitalized adults. Emphasis is placed on the analysis and diagnosis of human responses to acute, chronic and terminal stage illnesses. Prerequisites: BIO 308, NUR 202, NUR 203.

**NUR 302** **6 hours**

**Psychiatric-Mental Health Nursing**

Every semester. Mental Health Nursing focuses on the behaviors observed across the mental wellness-illness continuum and includes nursing and psychological theories related to human behaviors. Analysis and diagnoses of individual and family mental health status provides a basis for intervention. Emphasis is placed on therapeutic communication and interpersonal relationship skills. Prerequisites: BIO 308, NUR 202, NUR 203.

**NUR 303** **6 hours**

**Nursing Care of the Childbearing Family**

Every semester. Nursing Care of the Childbearing Family focuses on planning for health promotion in the normal and high risk childbearing family. Emphasis is placed on family education, use of community resources, and advocacy of alternatives to promote positive outcomes during the childbearing phase of family development. Prerequisites: NUR 301, NUR 302, NUR 310.

**NUR 304** **6 hours**

**Family Centered Child Health Nursing**

Every semester. Family Centered Child Health Nursing integrates theories from nursing, child development and family development. These concepts are related to the planning of care for children, adolescents and their families who are well or experiencing acute or chronic illnesses. Emphasis is placed on teaching and on community resources related to the child-rearing family. Prerequisites: NUR 301, NUR 302, NUR 310.

**NUR 307**

**Introduction to Baccalaureate Concepts**

Every semester. Introduction to Baccalaureate Concepts is designed for the ADN/RN who is returning for the baccalaureate degree program. The emphasis is on the theoretical concepts of the junior and senior courses that are unique to baccalaureate education and the Samaritan College of Nursing philosophy. Application of the problem solving process with individuals and families is emphasized. Prerequisites: R.N. Licensure and acceptance into the nursing program.

**NUR 310**

**Physical Assessment for Health Care**

Every Spring and Summer. Physical Assessment for Health Care focuses on the techniques of inspection, percussion, palpation and auscultation. History-taking and systems application will be emphasized in both theory and demonstration. Development of skills for children, adults and aged clients are included with the opportunity for practice of general physical assessment techniques. Prerequisite: Satisfactory completion of NUR 202, R.N. or instructor approval.

**NUR 398**

**Research in Nursing**

Every semester. Research in Nursing promotes research as a framework for analysis of clinical practice. Quantitative and qualitative research methodologies are presented. Emphasis is on the critical review of research and application to nursing practice. This course may be taken by the R.N. any time in the curriculum. Prerequisite: PSY 363.

**NUR 401**

**Community Health Nursing**

Every semester. Community Health Nursing focuses on community assessment and intervention with vulnerable groups and communities. Emphasis is placed on critical analysis, using epidemiological data and functional health pattern assessments to plan and intervene in areas of health promotion, screening and rehabilitation with community groups. Prerequisites: NUR 303, NUR 304, or NUR 307.

**NUR 402**

**Nursing Care of the Critically Ill Adult**

Every semester. Nursing Care of the Critically Ill Adult focuses on nursing interventions in the critical care arena. Emphasis is placed on critical analysis using technological data, diagnostic parameters, functional health patterns and physical assessment data, in collaboration with health team members for managing the client and family experiencing a life-threatening crisis. Upon satisfactory performance on examination the R.N. student may register for 3 credits only. Prerequisites: NUR 303, NUR 304, or NUR 307.

**NUR 403**

**Management Concepts and Leadership Behaviors in Nursing**

Every semester. Management Concepts and Leadership Behaviors in Nursing are applied in a variety of settings. Emphasis is placed on the evaluation of nursing care of groups using selected standards of care and related criteria. The course includes a critical examination of professional development and peer collaboration. Prerequisites: NUR 401, NUR 402.

**NUR 406** **2 hours**  
**Trends and Issues in Nursing**

Every semester. Trends and Issues in Nursing focuses on the rapid and profound changes in health care in the United States and the dramatic effect these changes have had on nursing practice. Emphasis is placed on selected leaders in nursing's history and on selected issues in contemporary nursing. This course may be taken by the R.N. anytime in the curriculum. Prerequisites: Satisfactory completion of NUR 401 and NUR 402.

**NUR 498** **3 hours**  
**Practicum in Nursing**

Every semester. Practicum in Nursing provides a selected clinical experience to optimize the transition to a professional career. Nursing care areas are chosen according to preceptor availability and student focus. A faculty member assists in planning, implementing and evaluating the learning experience. Prerequisite: NUR 403.

**NUR 491/492/493** **12 hours each**  
**Neonatal Nurse Practitioner**

On demand. These three courses are designed to prepare experienced registered nurses to function in the advanced practice nursing role for bedside co-management of the high-risk neonate and family. The 36-credit program is divided into a didactic phase of theory and seminar with an integrated clinical component and a concentrated clinical internship in neonatal care units. The didactic component includes theory and seminar topics essential for the role. The clinical internship will facilitate incorporation of theory and clinical skills into the direct co-management of the high-risk neonate and family in various levels of care, and is under the direction of neonatologists and neonatal nurse practitioners. Prerequisites: R.N. status and instructor's approval.

**NUR 494** **12 hours**  
**Adult Flight Nursing**

On demand. This course is designed to prepare the experienced Critical Care Nurse for speciality as a flight nurse. Included are anatomy and physiology, normal and abnormal x-rays, pathophysiology, assessment and management, stations and case presentations. The didactic content is reinforced in the clinical areas of critical care units, clinical labs, or field experience in fixed-wing or helicopter settings. Prerequisites: R.N. status and instructor's approval.

**NUR 495** **5 hours**  
**Neonatal Flight Nurse**

On demand. This course is designed to prepare the experienced high-risk neonatal nurse for stabilization and flight transport of the neonate with consultation from the neonatologist. Included is a brief review of anatomy and physiology, pathophysiology of pregnancy, nursing assessment and management of neonatal congenital defects and medical/surgical emergencies. Emphasis is placed on viewing the patient as a complete person involving all systems, psychological as well as physical, and as an important member of the family unit. Didactic content will be reinforced in the following clinical areas: Labor and delivery, newborn ICU, helicopter, fixed-wing and ground transport, and the communications center. Prerequisites: R.N. licensure and instructor's approval.

**NUR 496** **5 hours**  
**Maternal Flight Nursing**

On demand. This course is designed to prepare the experienced high-risk maternal nurse for flight transport of the maternal client. Included is a review of anatomy and physiology, pathophysiology of pregnancy, nursing assessment and management of emergencies related to pregnancy. Emphasis is placed on viewing the patient as a complete person involving all systems, psychological as well as physical, and as an important member of the family unit. Didactic content will be reinforced in the following clinical areas: Labor and delivery, newborn ICU, helicopter, fixed-wing and ground transport, and the communications center. Prerequisites: R.N. licensure and instructor's approval.

# Special Programs



Reserve Officer  
Training Corps

University Programs

Honors

International

EASE

Study Abroad

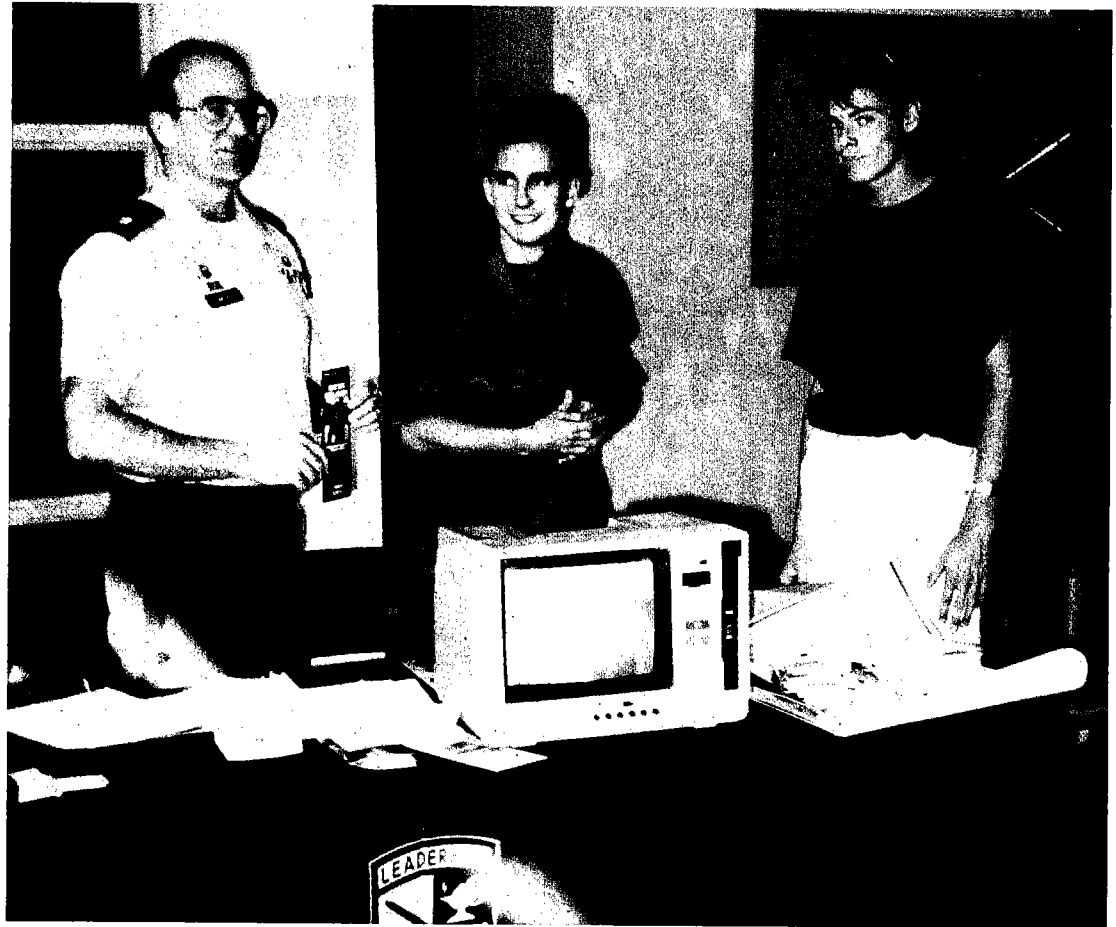
University Success

*Special Programs*



# Reserve Officer Training Corps

ROTC Programs  
Air Force ROTC  
Aerospace Studies  
Army ROTC  
Military Science



## ROTC PROGRAMS

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

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

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

## AIR FORCE ROTC

### PURPOSE

The Department of Aerospace Studies curriculum

consists of the general military course (GMC) and history for freshmen and sophomores (AES 101, AES 102, AES 201, AES 202) and the professional officer course (POC) for juniors and seniors (AES 301, AES 302, AES 401, AES 402).

## GENERAL QUALIFICATIONS

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

## FOUR-YEAR PROGRAM (GMC and POC)

A formal application is not required for students entering

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

## TWO-YEAR PROGRAM (POC)

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

## QUALIFICATIONS FOR ADMITTANCE

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

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

## PAY AND ALLOWANCES

POC members in their junior and senior years receive \$100 per month for a maximum of 20 months of Professional Officer Course attendance. Students are also paid to attend field training. In addition, uniforms, housing and meals are provided during field training at no cost to the student. Students are reimbursed for travel to and from field training.

## SCHOLARSHIPS

Air Force ROTC offers scholarships annually to outstanding young men and women on a nationwide competitive basis. Scholarships cover full college tuition for resident and nonresident students as well as an allowance for books, fees, supplies and equipment, plus a monthly tax-free allowance of \$100. Scholarships are available on a four- and two-year basis. To qualify for the four-year scholarship, students must be U. S. citizens and submit an application prior to December 1 of their senior year in high school. Interested students should consult their high school counselors or call AFROTC at ASU for application forms to be submitted to HQ AFROTC,

Maxwell AFB, AL 36112-6663. Students enrolled in AFROTC at Arizona State University are eligible for two-year scholarships. Those interested must apply through the Department of Aerospace Studies. Consideration is given to academic grades, score achieved on the Air Force Officer Qualifying Test and physical fitness. A board of officers considers an applicant's personality, character, and leadership potential.

## FLIGHT SCREENING PROGRAM (FSP)

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

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## AEROSPACE STUDIES

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### AES 101 2 hours

#### **U. S. Air Force Organization**

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

### AES 102 2 hours

#### **Nature of U. S. Air Power**

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

### AES 201 2 hours

#### **Aerospace History to World War II**

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

### AES 202 2 hours

#### **Aerospace History: WW II to Present**

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

### AES 301 3 hours

#### **U. S. Air Force Communication Management and Leadership**

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

### AES 302 3 hours

#### **U. S. Air Force Management and Leadership**

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

**AES 401** **3 hours**  
**National Security Institutional Policy and Strategy**

Every Fall. Armed Forces as a technical element of society, with emphasis on the broad range of American civil-military relations; principles and techniques of communicative skills; the political, economic, and social constraints on the national defense structure. Two hours lecture, one hour Leadership Practical Application.

**AES 402** **3 hours**  
**Topical and Regional Security Issues**

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

**MILITARY SCIENCE (ARMY ROTC)**

**PURPOSE**

The Department of Military Science curriculum consists of the basic course (MIS 101, MIS 102, MIS 203, and MIS 204) and the advanced course (MIS 301, MIS 302, MIS 401, and MIS 402). The goal of this professional education is to prepare selected students with leadership potential to be commissioned Army Officers within the national defense structure of the United States. Specific objectives include developing the leadership and managerial potential of the students; developing students' abilities to think creatively, to speak and write effectively; providing the students with an appreciation of the requirements for national security; and developing the students' understanding of the nature and functions of the U. S. Army. Upon successful completion of the Advanced Course, qualified students will receive commissions in the United States Army Reserve or Army National Guard. Active duty positions are available upon graduation from the university on a competitive basis.

Commissions as Second Lieutenants in the Regular Army are available to outstanding students who desire a career in the military service.

**GENERAL QUALIFICATIONS FOR BASIC COURSE**

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

**QUALIFICATIONS FOR ADVANCED COURSE**

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

1. Be a citizen of the United States (non-citizens may enroll but must obtain citizenship prior to commissioning).
2. Be of sound physical condition and pass the U. S. Army physical fitness standards.
3. Be at least 17 years of age for entrance into the advanced course and be able to complete all commissioning requirements prior to age 30. Only those students in the basic and advanced courses who meet required military regulations are eligible to receive financial assistance through the United States Army. Members of the Department of Military Science at Arizona State University are available during normal office hours to answer questions or provide counseling.

**FOUR-YEAR PROGRAM**

Students may enroll in Army ROTC during their freshman year. They take the basic course during the first two years, receiving a total of 8 semester hours of credit for the four semesters of study. Upon satisfying the requirements stated previously, they enter the advanced course where they will earn 10 semester hours for the four semesters of study. In addition, students will attend a six-week advanced summer camp at Ft. Lewis, Washington, between their junior and senior years. To preclude excessive course overloads, students in certain majors, especially nursing, should plan an additional semester or two and/or summer school to complete degree requirements. ROTC students must meet all of the degree requirements of the college. Upon successful completion of the advanced course and requirements for a degree, they are commissioned as Second Lieutenants in the United States Army Reserve or Army National Guard.

**TWO-YEAR PROGRAM**

Students must have at least two academic years of college work remaining, either at the undergraduate or graduate level. The student must also have at least sophomore status (except for certain exceptions applicable to veterans). This program is open to all students with the exception of three- and four-year scholarship winners. Students seeking enrollment in the two-year program should make application during the spring semester of the year in which they desire to enter the program. They must pass the ROTC Qualifying Examination and the Army physical examination. After successfully completing a six-week basic camp at Army Post (conducted during June, July, and August) or completing the basic course classes during a university summer session (not always offered), students may enroll in the advanced course. Students with previous military experience or who are currently members of the National Guard or Reserves may be admitted directly into the two-year program. They then follow the same program and meet the same requirements as stated for advanced course students in the four-year program.

Qualifications for Admittance to the Advanced Course. The qualifications are as follows:

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

**PAY AND ALLOWANCES**

Advanced Course students in their junior and senior years receive \$100 per month for the 20 months of enrollment in the Advanced Course. The student also receives one-half the pay for a Second Lieutenant during their attendance at the five-week advanced camp. Uniforms, housing and meals are provided at camp without cost to the students, and they are reimbursed at the current mileage rate for travel to and from camp. Students who attend basic camp receive the pay of an Army recruit during attendance at basic camp as well as current mileage rate for travel to and from camp.

## SCHOLARSHIP PROGRAMS

The Army ROTC offers scholarship programs for outstanding young men and women who are motivated toward a career as professional officers in the Regular Army. These scholarships pay for all fees, tuition and provide \$100 per month subsistence allowance while the scholarship is in effect. In addition, a flat rate is paid each semester toward the purchase of texts and some academic supplies. A scholarship for four years is available to freshmen who will enter the four-year program. Applications must be submitted in accordance with a schedule furnished by the high school counselors. Selection is made on a nation-wide basis. Scholarships are available for three- and two-year periods commencing with the sophomore and junior years of ROTC, respectively. Applications are open to all students in good standing with the University; previous ROTC or military experience is not required for application for two- and three-year scholarships. Selection is made by an interview board composed of Arizona State University faculty members and Army officers in the ROTC detachment. Acceptance of any of the three scholarship programs requires service commitment to serve in the active Army for a period of up to four years after commissioning and graduation.

## ACTIVE DUTY REQUIREMENTS

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

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## MILITARY SCIENCE

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### **EPE 105** **1 hour** **Army Master Fitness**

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

### **MIS 101** **3 hours** **Introduction to Military Science**

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

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

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

### **MIS 201** **3 hour** **American Military History**

Every Fall. A study of the role of the military in American life during war and peace from colonial times to the present day.

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

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

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

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

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

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

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

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

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

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

# University Programs

- Honors Program
- International Program
- EASE
- Study Abroad
- University Success



## HONORS PROGRAM

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

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

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

More information concerning general criteria for

selection is available through the Dean of the College of Liberal Arts and Sciences.

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## HONORS

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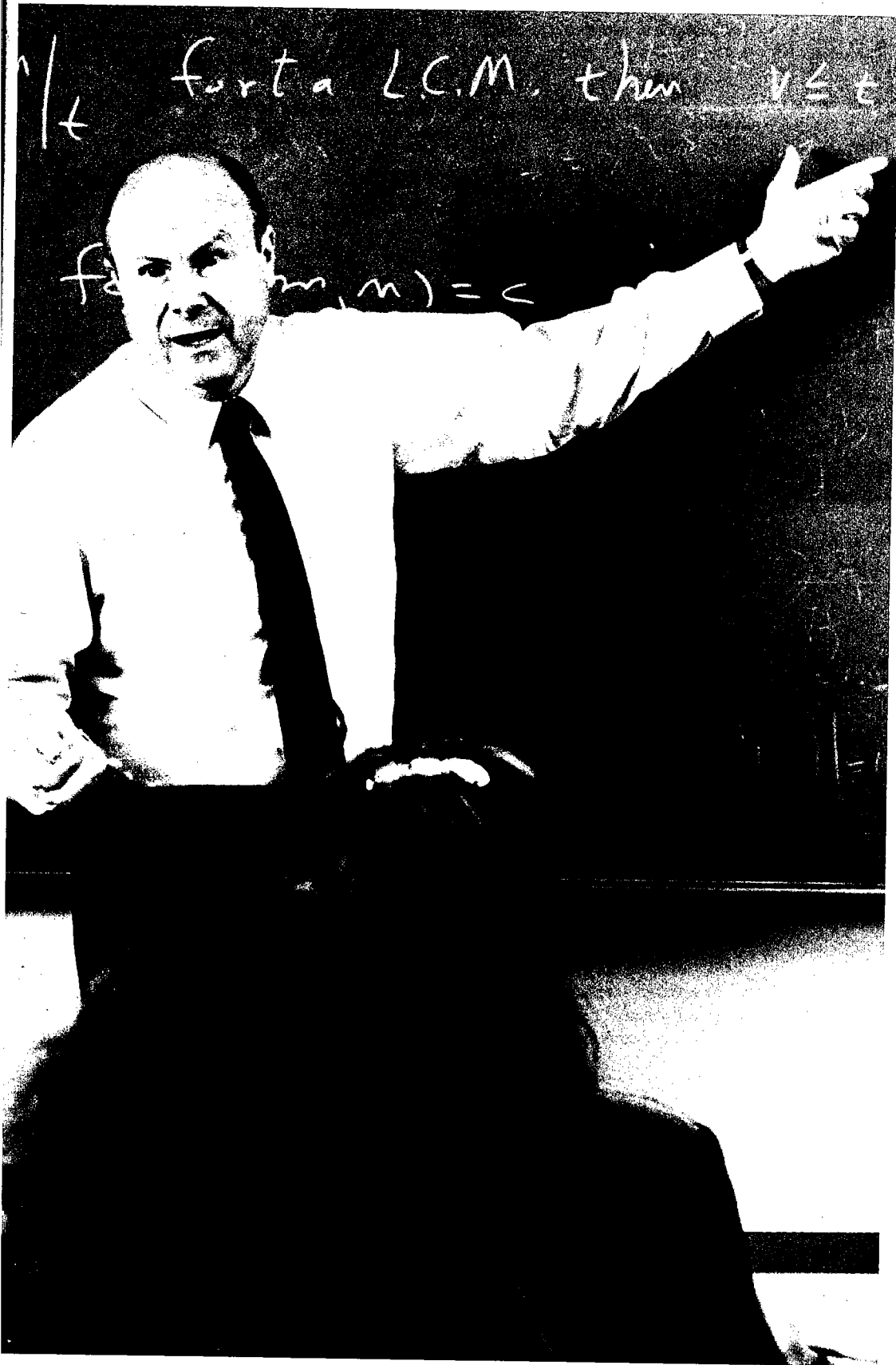
**HON 103** **3 hours**  
**Honors Composition and Literature**

Every Fall. 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.

**HON 201** **1 hour**  
**Honors Colloquium**

Every semester. Honors colloquium, led by faculty and outside speakers, provides opportunities for attendance at 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.

# Personnel



Personnel

## **GRAND CANYON UNIVERSITY BOARD OF TRUSTEES**

### **ONE YEAR TERM EXPIRING IN 1993:**

Dr. Ralph Bryan\*  
Mr. Jim Carter  
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Rev. Dudley Bristow\*  
Mrs. Carol Gutshall  
Rev. Gary Marquez\*  
Mr. Donald Pewitt\*  
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### **THREE YEAR TERM EXPIRING IN 1995**

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Mr. V. L. "Bud" Glaze  
Ms. Marlene Klotz\*  
Mrs. Linda Minton  
Mrs. Peggy Pillow  
Mr. Billy Shelton  
Mr. Jerry Sowell\*  
Rev. Douglas Turner  
Ms. Pricilla Williams

### **EX-OFFICIO:**

Dr. Dan Stringer - *Executive Director-Treasurer, Arizona Southern Baptist Convention*  
Rev. Berry Norwood - *President, Arizona Southern Baptist Convention*

\* Eligible for re-election

## **GRAND CANYON UNIVERSITY ADMINISTRATION**

### **BILL R. WILLIAMS**

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

### **MARTHA TAYLOR THOMAS**

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

### **CHARLES MAXSON**

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

### **B. DIANNE DINKEL**

**Vice President for Administration**  
B.S., Grand Canyon College; M.B.A., Arizona State University

### **LESLIE DODRILL**

**Vice President for Student Affairs**  
B.S., Grand Canyon College; M.R.E., Southwestern Baptist Theological Seminary; Ph.D., University of North Texas

### **CARL G. PAETZ, JR.**

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

## **GRAND CANYON UNIVERSITY FOUNDATION**

### **KENNETH R. MILLER**

**President**  
B.S., M.A., University of Illinois; D.P.A., Grand Canyon College

### **MARK A. TAYLOR**

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

### **SUSAN KIEBORZ**

**Administrative Assistant to the President of Grand Canyon University Foundation**

## GRAND CANYON UNIVERSITY FACULTY

The list of Faculty is in alphabetical order by the faculty member's name.

### MIKE BAIRD

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

### WILLIAM LARRY BARRON III

Associate Professor of Psychology  
B.A., *Rice University*; M.A., Ph.D., *University of Texas at Austin*

### SCOTT BEESLEY

Assistant Professor of Reading Education  
B.A., *Oklahoma Baptist University*; M.A., *East Texas State University*; Ed.D. Candidate, *East Texas State University*

### ARLENE BESORE

Instructor of Art  
B.F.A., *Arizona State University*

### PAUL BRIDGEMAN

Instructor of Theatre  
B.S., *Ohio University*

### JANE SAWEY CASTILLO

Assistant Professor of Special Education  
B.S., M.A., Ph.D., *University of New Mexico*

### NANCY CLAUTER

Assistant Professor of Music  
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### WILLIAM A. COGHLAN

Assistant Professor of Physical Science  
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### JUDY EROE

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M.P.H., *University of California - Berkeley*

**CHUCK MORRISON**  
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Ed.D., *Arizona State University*

**DEANNA MURRAY**  
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**JOSEPHINE SHANGKUAN ONG**  
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M.S., *Indiana State University*; Ph.D., *Arizona State University*

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**PETRU PAPADOPOUL**  
Professor of Mathematics  
Director of Dynamical Systems Laboratory  
M.S., Ph.D., *University of Bucharest, Romania*

**BETHYL PEARSON**  
Assistant Professor of Education  
B.A., *Albion College*; M.Ed., *Wright State University*; M.A.,  
Ph.D., *Michigan State University*

**CLAUDE N. PENSIS**  
Associate Professor of Theatre  
Chair, Department of Theatre/Drama  
B.S., *University of Wisconsin - Oshkosh*; M.F.A., *University of Wisconsin - Madison*

**RONALD PHILLIPS**  
Associate Professor of Music  
Associate Dean of College of Communications and Fine Arts  
Chair, Department of Music  
B.M., M.M., *Michigan State University*

**ELLEN POOLE**  
Instructor of Nursing  
B.S.N., *Creighton University*; M.S., *Arizona State University*

**DAVID WING**  
Professor of Chemistry  
B.S., Wheaton College; Ph.D., Northwestern University

**JIM WITHERSPOON**  
Professor of Biology  
B.S., M.S., Ph.D., Purdue University

**CLARK YOUNGBLOOD**  
Professor of Christian Studies  
B.A., Hardin-Simmons University; M.Div., Ph.D., Southern Baptist Theological Seminary

Adjunct Personnel are used when their special abilities or experience would enrich the curriculum.

### **GRAND CANYON UNIVERSITY PROFESSORS EMERITI**

---

**BETTY BECK**  
Professor Emeritus of the Department of English and Modern Languages  
B.A., De Pauw University; M.A., Ph.D., University of Oklahoma

**J. NILES PUCKETT**  
Professor Emeritus of the Department of Christian Studies  
B.A., Mississippi College; L.L.B., Cumberland University; Th.M., Th.D., Southern Baptist Theological Seminary

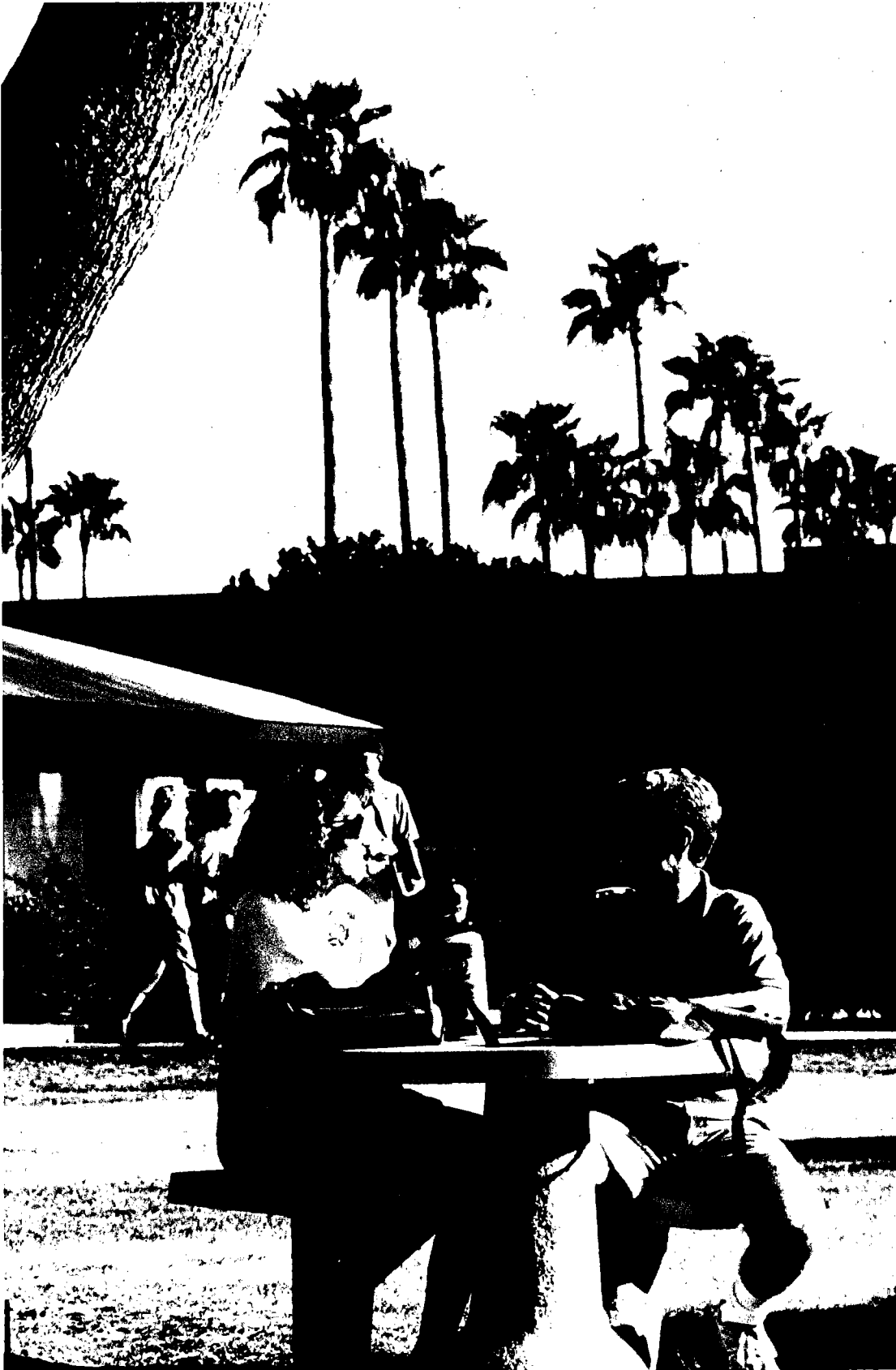
### **GRAND CANYON UNIVERSITY STAFF**

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Deborah Alvarez, B.S. - Coordinator of Telecommunications Services  
Victor Amuso - Air Conditioning Maintenance  
Laura Anthony, A.A. - Accounts Receivable  
Suella Baird - Technical Services Librarian  
B. Keith Baker, B.S. - Associate Athletic Director  
Mari Basham - Assistant Controller  
Thomas Bell - Groundsman  
Marlene Bjornsrud - Athletic Marketing/Promotions Director  
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Angie Buining - Accounts Receivable Cashier  
Louis Burdick - Maintenance Supervisor  
Richard Burke - Custodian  
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Bret Carruthers, B.S. - Graphic Visualization Programmer  
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Lee Diviki - College of Business Secretary  
Carol Doremus, B.S. - Women's Residence Director  
Petar Draskin - Head Soccer Coach

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James Farmer - Groundskeeper  
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Martha A. Goodwin - Housing Coordinator  
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Patricia W. Groseclose, B.A. - Graphic Artist  
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Bruce Hall - Maintenance  
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Richard Jinzo - Groundsman  
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Kathy Melendez - Student Loan Collections Coordinator  
Scott Miller - Electrician  
Deborah J. Morgan - Cash Receipts Specialist  
Lori Mueller - Purchasing/Accounts Payable Clerk

# Index



## INDEX

## A

Absences, 24, 40  
 Chapel, 24  
 Class, 40  
 Academic Advisement, 40  
 Academic Calendar, 2, 3  
 Academic Honors, 41, 44, 45  
 Academic Probation, 45  
 Academic Regulations, 39-45  
 Class Attendance, 40  
 Classification of Courses, 40  
 Classification of Students, 40-41  
 Comprehensive Examinations, 41  
 Concurrent Enrollment, 41  
 Correspondence and Extension Credit, 43  
 Eligibility for Activities, 43  
 Examinations at Other Than Scheduled Times, 43  
 Grade Requirements, 43  
 Grading System, 43-44  
 Student Records, 45  
 Academic Semester/Hour, 40  
 Academic Standards, 44-45  
 Academic Suspension, 45  
 Accounting  
 Course Descriptions, 60-61  
 Degree Requirements, 58  
 Accreditation, 6  
 ACT Scores, 31  
 Activities, 24  
 Administration and Personnel, 175-181  
 Administrative Withdrawal  
 for non-attendance, 44  
 for non-payment, see Student Expenses, 12  
 Admission Policy and Procedures, 29-38  
 Application Procedures, 30-32  
 Early Admissions Program, 30  
 of Fifth Year Students, 35  
 of Freshmen, 30-32  
 General Statement, 30  
 of Graduate Students, 37-38  
 of International Students, 36-37  
 of Second Degree Students, 35  
 of Transfer Students, 32  
 of Unclassified Students, 35  
 Advanced Nursing Practice Program  
 Course Descriptions, 165  
 Advanced Placement (AP), 33  
 Advisement, 40  
 Aerospace Studies  
 Course Descriptions, 169-170  
 Alma Mater, 24  
 Alumni Association, 7  
 American Literature  
 Course Descriptions, 123  
 American Studies Program, 7  
 Anthropology, 143  
 Apartments, see Housing Services, 26  
 Application Procedures  
 Admission, 30-35  
 Financial Aid, 15  
 Housing, 26, 28  
 Applied Music  
 Course Descriptions, 84-86  
 Degree Requirements, 80-81

Art, Department of, 69-73  
 Course Descriptions, 71-73  
 Department Description, 69  
 Major Requirements, 60  
 Minor Requirements, 60  
 Art Education  
 Major Requirements, 60  
 ASBC Scholarships, 19  
 Assistance, see Financial Aid, 15-21  
 Athletic Training Certification, 128  
 Athletics  
 Affiliation, NCAA, 26  
 Eligibility, 26, 43  
 Scholarships, 18  
 Teams, 26  
 Attendance Regulations  
 Chapel, 24  
 Class, 40  
 Auditing of Courses, 41  
 Awards, Honors, Recognitions, 25-26

## B

Bachelor of Arts, 48  
 Bachelor of General Studies, 48, 51, 54  
 Bachelor of Music, 48, 54  
 Bachelor of Science, 48, 54  
 Behavioral Sciences  
 Minor Requirements, 136  
 Bible  
 Course Descriptions, 117-118  
 General Studies Requirement, 51-52  
 Biblical Studies  
 Course Descriptions, 117-118  
 Major Requirements, 116  
 Biblical Studies, Center for, 116  
 Biology  
 Course Descriptions, 154-156  
 Major Requirements, 152-153  
 Minor Requirements, 153  
 Biology with Environmental Emphasis  
 Major Requirements, 153  
 Biology for Secondary Teachers  
 Major Requirements, 153  
 Board, Cost, 12  
 Board of Trustees, 176  
 Bookstore, University, 9  
 Broadcasting, Communications, 75  
 Buildings, see University Campus, 8-10  
 Business  
 Course Descriptions, 61-62  
 Minor Requirements, 58  
 Business, College of, 55-65  
 Application Procedures, 56  
 College Description, 56  
 Course Descriptions, 60-65  
 Degree Requirements, 57-60  
 General Business Requirements, 57-58  
 Internship Guidelines, 56-57  
 Lower Division Business Core, 58  
 Upper Division Business Core, 58  
 Business Education  
 Course Descriptions, 61-62  
 Degree Requirements, 58  
 Cafeteria, see Food Services, 25  
 Calendar, Academic, 2-3  
 Campus Facilities, see University Campus, 8-10

## C

Campus Housing, see Housing Services  
 Apartments, 26  
 Residence Halls, 26  
 Campus Map, 188-189  
 Campus Visits, 30  
 Catalog, Choice of, 48-49  
 Center for Biblical Studies, 116  
 Center for International Education, 7  
 Certification for Teaching, 98  
 Change of Courses (Add/Drop), 41-42  
 Chapel Attendance, 24  
 Charles M. Cooke Health Center, 9  
 Chemistry  
 Course Descriptions, 156-157  
 Major Requirements, 153  
 Minor Requirements, 154  
 Chinese  
 Course Descriptions, 124  
 Choice of Catalog, 48-49  
 Choir, see Communications and Fine Arts, 88  
 Choral Conducting  
 Major Requirements, 82-83  
 Christian College Coalition Programs, 7  
 Christian Education, see Christian Studies, 116-120  
 Christian Emphasis, 6  
 Christian Studies, Department of, 115-120  
 Center for Biblical Studies, 116  
 Course Descriptions, 117-120  
 Department Description, 115  
 Major Requirements, 116  
 Minor Requirements, 117  
 Church Music  
 Degree Requirements, 81-82  
 Class Attendance, 40  
 Classification of Courses, 40  
 Classification of Students, 40-41  
 CLEP Credit, 33  
 Clinical Emphasis, Nursing, 160  
 Clubs, see Student Clubs, 27  
 College of Business, 55-65  
 College of Communications and Fine Arts, 67-95  
 Art Department, 69-73  
 Communications/Speech Department, 74-78  
 Music Department, 79-92  
 Theatre/Drama Department, 93-95  
 College of Education, 97-111  
 College of Liberal Arts and Sciences, 113-114  
 Art Department, 69-73  
 Christian Studies Department, 115-120  
 English and Modern Languages Department, 121-126  
 Exercise Science, Sport and Recreation Department, 127-134  
 History, Philosophy and Social Sciences Department, 135-144  
 Mathematics and Computer Science Department, 145-150  
 Natural Sciences Department, 151-157  
 College of Nursing (Samaritan), 159-165  
 Commencement Exercises, 49  
 Communications  
 Course Descriptions, 76-77  
 Major Requirements, 75-76  
 Communications/Commercial Music  
 Major Requirements, 75-76  
 Communications and Fine Arts, College of, 67-95  
 College Description, 68  
 Course Descriptions, 71-95  
 Major Requirements, 70, 75-76, 80-84, 94  
 Minor Requirements, 70, 76, 81-82, 83, 94  
 Computer Science, 147-149  
 Course Descriptions, 147-149  
 Department Description, 145  
 Major Requirements, 146  
 Minor Requirements, 146  
 Comprehensive Examinations, 41  
 Computer Science for Secondary Teachers  
 Major Requirements, 146  
 Concurrent Enrollment, 41  
 Conditional Status, 45  
 Conduct, 24  
 Correspondence Courses, 49  
 Correspondence Directory, see Who to Contact, ii  
 Costs, 12-13  
 Counseling  
 Courses, see Psychology, 141-143  
 Course Descriptions, 141-143  
 Course Descriptions (see specific College or Department), 60-173  
 Courses  
 Auditing of, 41  
 Change of, 41-42  
 Course Load, 42  
 Dropping, 42  
 Order of Taking, 42  
 Prefix Index, 187  
 Repeating, 42  
 Special Study, 42-43  
 Withdrawing from, 43  
 Credit, Unit of, see Academic Semester/Hour, 40  
 Criminal Justice, see Justice Studies, 81  
 Curricular Requirements for Graduation, 49  
 Dean's List, 25-26  
 Degree Plan, 48  
 Degree Programs, 48, 54  
 Degrees  
 Bachelor of Arts, 48, 54  
 Bachelor of General Studies, 48, 54  
 Bachelor of Music, 48, 54  
 Bachelor of Science, 48, 54  
 Bachelor of Science in Nursing, 48, 54  
 Master of Art in Education, 48, 54  
 Master of Business Administration, 48, 54  
 Master of Education, 48, 54  
 Department Fellows, 18  
 Departments of Instruction, 53-173  
 College of Business, 55-65  
 College of Communications and Fine Arts, 67-68  
 College of Education, 97-111  
 College of Liberal Arts and Sciences, 113-114  
 Samaritan College of Nursing, 159-165  
 Special Programs, 167-173  
 Deposits, 12-13  
 Design  
 Course Descriptions, 72-73  
 Dining Facilities, see Food Services, 25  
 Direct Transfer Plan, 35  
 Directory of Correspondence, see Who to Contact, ii  
 Directory of Personnel, 175-181  
 Disabled Student Building/Housing Access, 24-25  
 Discipline, see Conduct, 24  
 Dismissal from the University, see Conduct, 24  
 Dormitories, see Housing Services, 26

**M**

- Majors, 48, 54
- Management
  - Course Descriptions, 63-64
- Map, Campus, 188-189
- Marketing
  - Course Descriptions, 64
  - Degree Requirements, 60
- Marital Arts
  - Minor Requirements, 129
- Master of Arts
  - Course Descriptions, 105-111
  - Degree Requirements, 104-105
- Master of Business Administration, 60
- Master of Education
  - Course Descriptions, 105-111
  - Degree Requirements, 103-104
- Mathematics, Department of, 145-150
  - Course Descriptions, 147-150
  - Department Description, 145-146
  - Dynamical Systems Laboratory, 146
  - Major Requirements, 146-147
  - Minor Requirements, 147
- Mathematics for Engineers
  - Major Requirements, 147
- Mathematics for Secondary Teachers
  - Major Requirements, 147
- Medical Examination, see Health Services and Health Records, 25
- Medicine, Preparation for, 152
- Memorial Endowment Funds, see Tribute Fund, 18
- Military Science
  - Course Descriptions, 171
- Minimum Residence, 49-50
- Ministerial Student Grants, see ASBC Scholarships, 19
- Minors, 54
- Missionary-in-Residence Apartment, 9
- Missions, see Christian Studies, 115-120
- Modern Languages, 124-126
- Music, see Communications and Fine Arts
  - Course Descriptions, 84-92
  - Major Requirements, 80-84
  - Minor Requirements, 81, 83
- Music Education
  - Major Requirements, 82-83
  - Minor Requirements, 83

**N**

- Natural Sciences, Department of, 151-157
  - Course Descriptions, 154-157
  - Department Description, 151
  - Major Requirements, 152-154
  - Minor Requirements, 153-154
- Premedical Curriculum, 152
- Preprofessional Curriculum, 152
- Neonatal Nurse Practitioner Program
  - Course Description, 165
- New Testament Greek
  - Course Descriptions, 119-120
- Notification of Admission, 30
- Numbering of Courses, see Classification of Courses, 40
- Nursing, Samaritan College of, 159-165

**O**

- Occupational Therapy, Preparation for, 152

- Optometry, Preparation for, 152
- Order of Taking Courses, 42
- Orientation, New Students, 30
- Officials, see Personnel, 175
- Orchestral Instruments, 84-86
- Organ, see Communications and Fine Arts
  - Major Requirements, 83-84
- Organizations, 26

**P**

- Parking Fee, see Student Expenses, 12
- Payment of Fees, see Student Expenses, 12
- Personnel, 175-181
- Pharmacy, Preparation for, 152
- Philosophy
  - Course Descriptions, 140-141
  - Minor Requirements, 136
- Photojournalism, Communications, 77
- Physical Education
  - Course Descriptions, 130-133
  - General Studies Requirement, 50
  - Major Requirements, 128-129
  - Minor Requirements, 129
- Physical Examinations, see Health Services and Health Records, 25
- Physical Sciences
  - Chemistry, 156-157
  - Physics, 157
- Physical Therapy, Preparation for, 152
- Physics
  - Course Descriptions, 157
  - Minor Requirements, 154
- Piano, see Communications and Fine Arts
  - Major Requirements, 83, 85
- Piano Proficiency, 83
- Placement Services, 21
- Political Science, see History, Philosophy and Social Sciences
  - Course Descriptions, 141
  - Minor Requirements, 137
- Practical Ministries
  - Course Descriptions, 118-119
  - Major Requirements, 116
- Practicum, 42-43
- Preaching and Evangelism, Center for, see Jackson, 9
- Pre-Professional Training
  - Pre-Dental, 152
  - Pre-Law, 136
  - Pre-Medical, 152
  - Pre-Pharmacy, 152
  - Pre-Veterinary, 152
- Presidents of the University, see Historical Sketch, 6
- Privacy Act, see Student Records, 45
- Probation, Academic, 45
- Professor Emeriti, 180
- Psychology
  - Course Descriptions, 85-88
  - Major Requirements, 81-82
  - Minor Requirements, 82
- Publications, 10
- Public Relations, Communications, 129
- Purpose of the University, 6

**Q**

- Quality Points, see Grading System, 43-44

**R**

- Radio, see Communications, 74
  - Ray-Maben Scholars, 25
  - Ray Student Services Building, 9
  - Reading and Conference Courses, 43
  - Reading Education
    - Course Descriptions, 108
    - Degree Requirements, 104
  - Reading, Developmental, 105
  - Readmission, 35
  - Recitals, see Communications and Fine Arts, 86
  - Recognitions, Honors, Awards, 25-26
  - Recreation
    - Course Descriptions, 133-134
    - Minor Requirements, 130
  - Refund
    - Policies, 14-15
    - Schedule, 14
  - Registered Nurse (R.N.) for B.S.N. Program, 162-163
  - Registration Dates, see Academic Calendar, 2-3
  - Regulations, Academic, 39-45
  - Religion, see Christian Studies, 115-120
  - Religious Life, 27
  - Repeating Courses, 42
  - Requirements
    - for Admission, 31-32
    - Course Load, 42
    - for Early Admission, 30
    - for Graduation, 48
    - for Honors Study Program, 172
    - Minimum Residence, 49-50
    - for Teacher Certification, 98
  - Reservations, Room, see Housing Services, 26
  - Reserve Officers Training Corps (ROTC), 168-171
  - Residence Halls, see Housing Services, 26
  - Residence Study Requirement, 45-46
  - Room and Board, 12
  - ROTC, 168-171
    - Aerospace Studies, 169-170
    - Army, 170-171
    - Course Descriptions, 169-171
    - Department Description, 168
    - Military Science, 170
    - Scholarships, 18
  - Russian
    - Course Descriptions, 125-126
- S**
- Samaritan College of Nursing, 159-165
    - College Description, 160
    - Course Descriptions, 163-165
    - Curriculum Plan, 161-162
    - Degree Requirements, 161-162
  - SAT Scores, 30
  - Schedule Changes, see Change of Courses, 41-42
  - Scholarships, 17-19
  - Science, see Natural Sciences, 151-157
  - Science Teaching
    - Major Requirements, 154
    - Minor Requirements, 154
  - Secondary Certification, 102
  - Second Degree, 52
  - Semester, Definition of, 40
  - Semester Hour, Definition of, 40
  - Services, see Student Services
  - Smith Arts Complex, 9
  - Smithy-Parker Building, 9
  - Social Sciences
    - General Studies Requirements, 50
    - Major Requirements, 137
    - Minor Requirements, 137
  - Social Work, see Sociology, 137, 143-144
  - Sociology
    - Course Descriptions, 143-144
    - Major Requirements, 137
    - Minor Requirements, 137
  - Spanish
    - Course Descriptions, 126
    - Minor Requirements, 123
  - Special Fees, 13
  - Special Class Fees, 13
  - Special Education
    - Course Descriptions, 109-110
    - Emotionally Handicapped, 101
    - Learning Disabilities, 101
  - Special Examinations, 41, 43
  - Speech
    - Course Descriptions, 77-78
    - Minor Requirements, 76
  - Speech Teaching
    - Course Descriptions, 77-78
    - Major Requirements, 76
  - Sports, 26
  - Spring Semester Dates, see Academic Calendar, 2-3
  - Standards of Academics, 41-45
  - Student Clubs, 27
  - Student Conduct, 24
  - Student Dress, 27
  - Student Employment Services, 20
  - Student Expenses, 12
  - Student Government, 26
  - Student Health History Form, 31
  - Student Housing, see Housing Services, 26
  - Student Insurance, 13
  - Student Life, 23-27
    - Activities, 24
    - Chapel Attendance, 24
    - Conduct, 24
    - Counseling, 24
    - Disabled Student Building/Housing Access, 24-25
    - Eligibility for Activities, 25
    - Employment Services, 25
    - Food Services, 25
    - Health Services and Health Records, 25
    - Honors and Special Recognition, 25-26
    - Housing Services, 26
    - Intercollegiate Athletics, 26
    - Organizations, 26
    - Religious Life, 27
    - Statement of Principles, 24
    - Student Clubs, 27
    - Student Dress, 27
    - Student Publications, 27
    - Traditional Events, 27
    - Tutoring, 27
  - Student Loans, 19-20
  - Student Organizations, 26
  - Student Publications, 27
  - Student Records, 45
  - Student Residences, see Housing Services, 26
  - Student Services
    - Counseling, 24
    - Health, 25
    - Placement, 21, 25
  - Student Teaching Dates, see Academic Calendar, 2-3

Studio Art  
 Major Requirements, 70  
 Minor Requirements, 70  
 Summer Session, see Academic Semester/Hour, 40  
 Dates, see Academic Calendar, 2-3  
 Suspension, Academic, 45

## T

Teacher Education, 97-111  
 Teacher Education Curricula, 98  
 Teacher Placement, see Program Features, 98  
 Teaching English As A Second Language  
 (TESL)  
 Course Descriptions, 110-111  
 Degree Requirements, 105  
 Television, see Communications, 76  
 Tell Science Building, 9  
 Tests, see Examinations at Other Than Scheduled  
 Times, 43  
 Theatre  
 Course Descriptions, 94-95  
 Minor Requirements, 94  
 Theatre-Drama  
 Major Requirements, 94  
 Theatre-Speech  
 Major Requirements, 94  
 Traditional Events, 27  
 Training and Development, see Human  
 Resource Development, 59, 63  
 Transcript of Credit, 29  
 Transfer of Credit, 34-35  
 Transfer Students, 32  
 Tribute Fund, 18  
 Trustees, Board of, 176  
 Tuition, 12  
 Tuition Grants, 18-19  
 Tutoring Program, 27

Upper Division, 50  
 Urban Education  
 Course Descriptions, 111  
 Degree Requirements, 105

## V

Vali-dine, 12  
 Veterans, 35  
 Vocal, see Communications and Fine Arts  
 Major Requirements, 83-84

## W

Who to Contact, ii  
 Who's Who Among Students, 26  
 Withdrawal  
 for non-attendance, 44  
 for non-payment, 12  
 from Courses, 43  
 Work Grants, 18  
 Work Opportunities, 20  
 Writing Proficiency Examination, 50

## Z

Zoology, see Biology, 154

## U

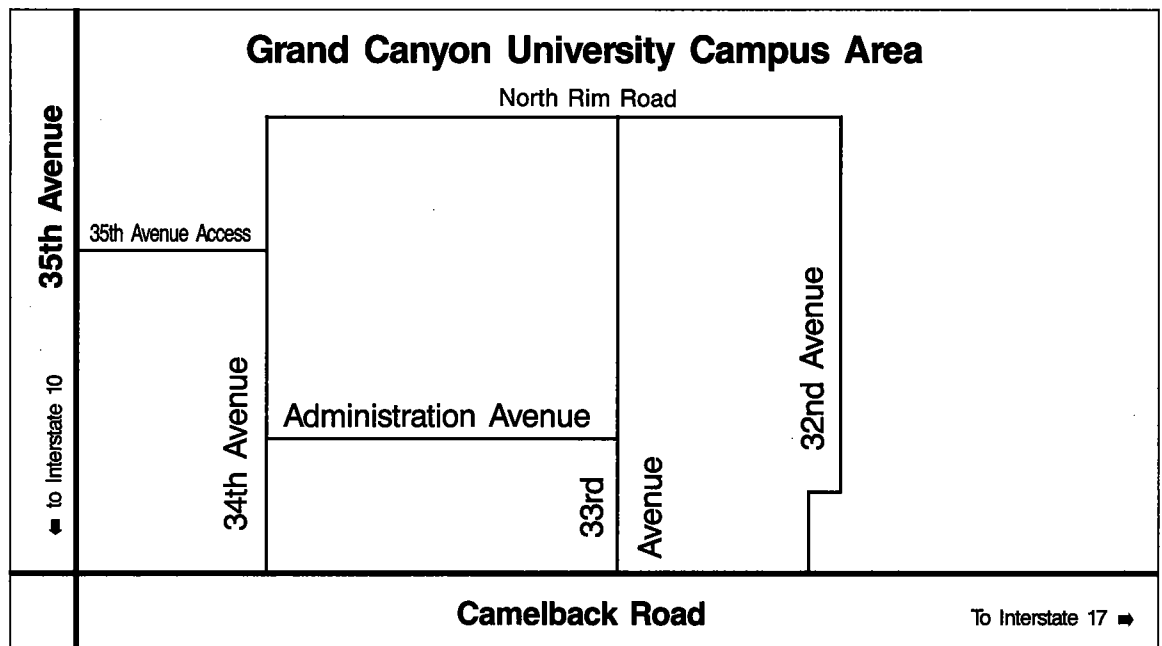
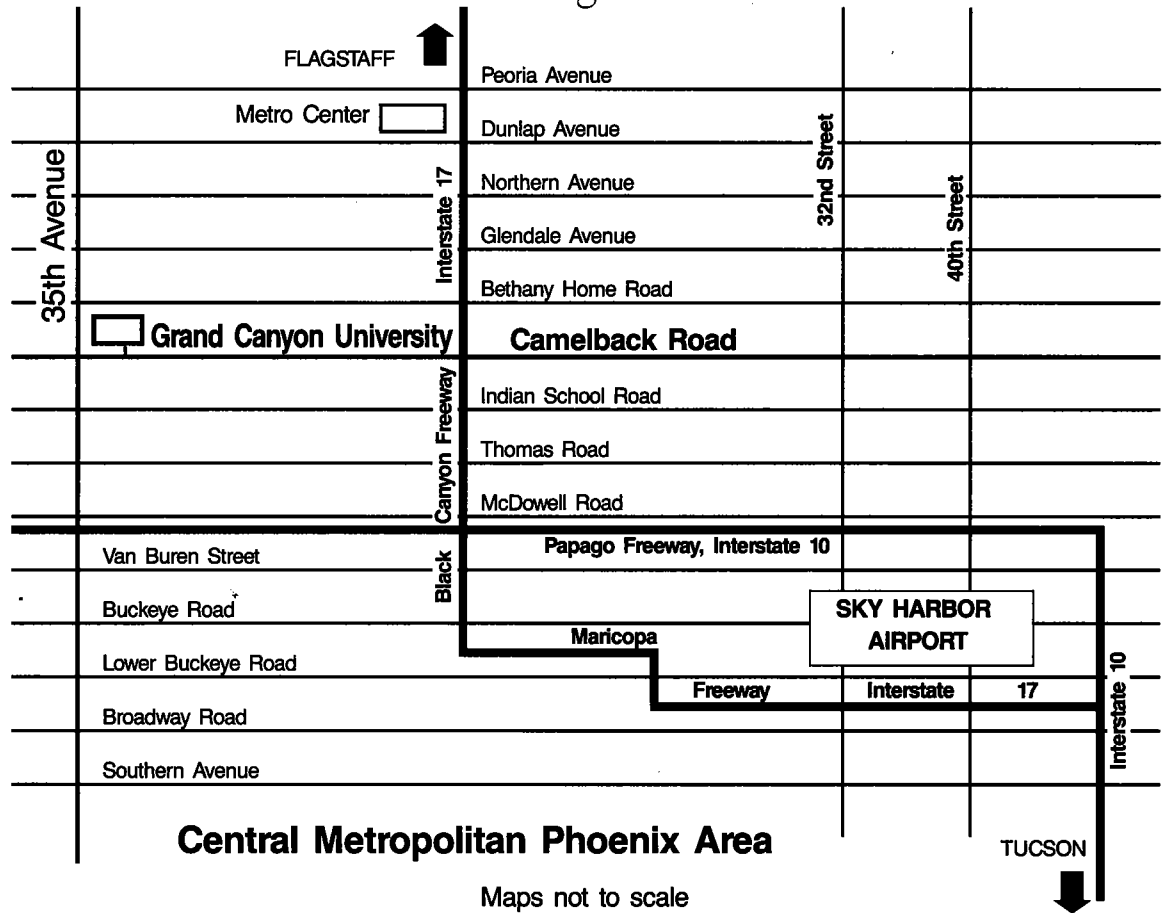
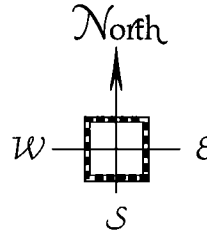
Unclassified Students, 35, 41  
 Undergraduate Admissions, 30  
 Unit of Credit, see Academic Semester/Hour, 40  
 University Campus, 8-10  
 Athletic Facilities, 8  
 Campus Housing, 8-9  
 Charles M. Cooke Health Center, 9  
 Computer Center, 9  
 Ethington Memorial Theatre, 9  
 Fleming Classroom Building, 9  
 Fleming Library, 9  
 Location, 8  
 Map, 188-189  
 Ms. W. C. Henderson Missionary-In-Residence  
 Apartment, 9  
 Ray Student Services Building, 9  
 Samaritan College of Nursing, 9  
 Smith Arts Complex, 9  
 Smithey-Parker Building, 9  
 Tell Science Building, 9  
 University Bookstore, 9  
 Wallace Building, 10  
 University, General Information, 5-10  
 University Logo, 10  
 University Publications, 10  
 University Seal, 10  
 University Success Program, 50, 173

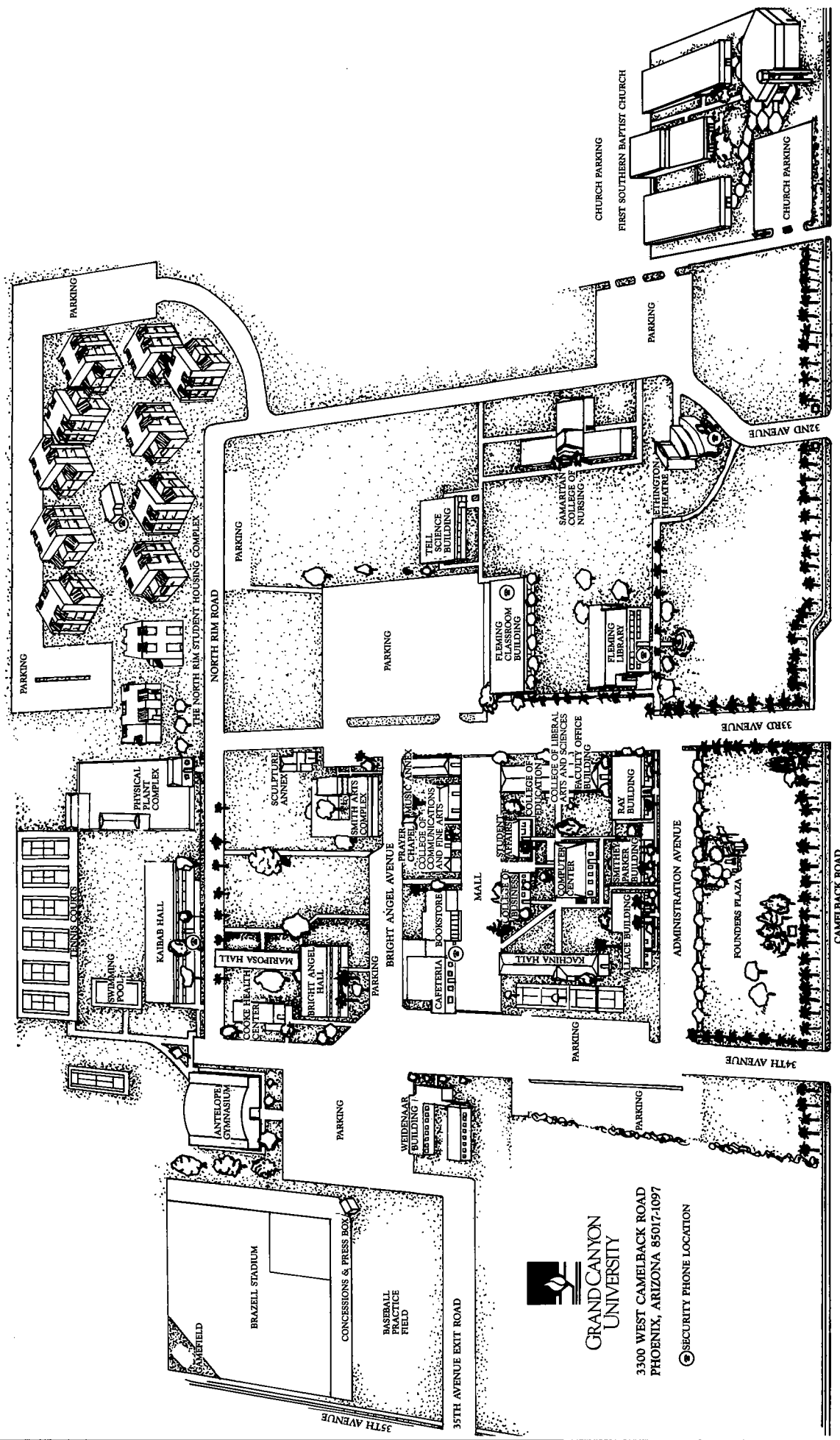
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## COURSE PREFIX INDEX

---

ACC	Accounting, 60	FIN	Finance, 62-63	MKT	Marketing, 64
ARE	Art Education, 71	FRE	French, 125	MTH	Musical Theatre, 88
AES	Aerospace Studies, 169-170	GEO	Geography, 138	MUS	Music, 89-92
ARH	Art History, 71-72	GER	German, 125	NUR	Nursing, 163-165
ART	Art Studio, 71	GLG	Geology, 157	PED	Physical Education, 130-133
BIB	Bible, 117-118	GRK	Greek, 119-120	PHI	Philosophy, 140-141
BIO	Biology, 154-156	HIS	History, 138-139	PHY	Physics, 141-143
BUS	Business, 61-62	HLT	Health, 130	POS	Political Science, 141
CAM	Computer Application Modules, 147	HON	Honors, 172-173	PSY	Psychology, 141-143
CHM	Chemistry, 156-157	HRD	Human Resource Development, 63	RDG	Reading Education, 108
CHI	Chinese, 124	HTH	Historical/Theological Studies, 118	REC	Recreation, 133-134
COM	Communication, 76-77	JRN	Journalism, 78	RUS	Russian, 125-126
CSC	Computer Science, 148-149	JUS	Justice Studies, 139-140	SED	Secondary Education, 109
DGN	Design Studio, 72-73	MAP	Music - Applied, 84-86	SOC	Sociology, 143-144
ECN	Economics, 62	MAT	Mathematics, 149-150	SPA	Spanish, 126
EDU	Education, 105-107	MCH	Church Music, 86-87	SPC	Speech, 77-78
EED	Elementary Education, 107-108	MED	Music Education, 87-88	SPE	Special Education, 109-110
ENG	English, 123-124	MEN	Music Ensembles, 88	TRE	Theatre and Drama, 95
EGN	Engineering, 149	MGT	Management, 63-64	UNV	University Courses, 173
EPE	Army Master Fitness, 171	MIN	Practical Ministries, 118-119	URB	Urban Education, 111
ESL	Teaching English as a Second Language, 110-111	MIS	Military Science, 171		






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