



A Z U S A   P A C I F I C   U N I V E R S I T Y

*1999/2000* UNDERGRADUATE CATALOG



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**AZUSA PACIFIC UNIVERSITY**

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[www.apu.edu](http://www.apu.edu)

*As you begin to ponder the college you will attend, you are making a critical choice—one that will greatly influence the purpose, direction, and shape of your life.*

*Azusa Pacific University is a place to ask questions, to learn, to deepen your faith, to grow as an individual. It is a warm and caring community, both exciting and dynamic. We call our unique atmosphere, “Spirit of Place.”*

*Education at Azusa Pacific University is a careful process founded on these four cornerstones: Scholarship, Community, Service, and Christ.*

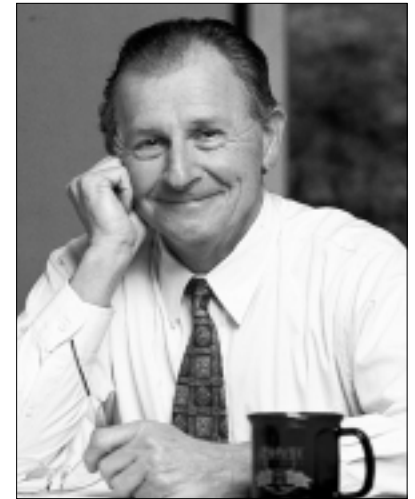
*We are called to scholarship permeated by our Christian faith. We are committed to teaching excellence. The liberal arts has a central place in the curriculum, for we are dedicated to the education of the whole person. At the same time, we value the role of professional offerings which equip students for specific careers.*

*We believe in community. We are a richly diverse people who value the worth of each individual. Our mission is to encourage, equip, and enable students to fulfill their great potential, and in turn, to become encouragers, equippers, and enablers of others.*

*Service is at the heart of our outreach and missions emphases. As an APU student, you will take part in both local and international service projects. And you may find this to be the greatest experience of your life.*

*Belief in Christ is central to all that we think and do. It is this understanding of God’s love for the world that informs all our pursuits: academic, service, and community.*

*With optimism and faith in God’s grace, we are preparing to meet the challenges of the coming century in our complex and troubled world. As you prepare to meet these same challenges, I pray that God will guide and go with you through these critical choices.*



*Richard Felix*

Richard E. Felix, Ph.D., President

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## Regarding the Catalog

This catalog is produced for the university by the Offices of Undergraduate Admissions, the Provost, Academic Advising Services, and University Marketing and Creative Media. It contains general academic and administrative information and specific descriptions of the courses of study offered.

Because this publication is prepared in advance of the year it covers, changes in some programs will inevitably occur. The semester schedule of classes is the final authority with regard to classes offered. This schedule is available prior to registration each semester.

Students who wish to obtain specific information about the university not contained in the catalog are advised to make a personal inquiry to the Office of Undergraduate Admissions, Azusa Pacific University, 901 E. Alosta Ave., PO Box 7000, Azusa, CA 91702-7000, (626) 812-3016 or (800) TALK-APU [(800) 825-5278], and admissions@apu.edu.

## Statement of Mission and Purpose

The Board of Trustees has adopted the following statement of mission and purpose for Azusa Pacific University:

Azusa Pacific University is an evangelical Christian community of disciples and scholars who seek to advance the work of God in the world through academic excellence in liberal arts and professional programs of higher education that encourage students to develop a Christian perspective of truth and life.

## Essence Statement

The essence statement of Azusa Pacific University is a philosophical description of the institution and its people—students, staff, faculty, administration, trustees, alumni—who we are and who we are

becoming. We are an institution of higher education with a tradition of Wesleyan evangelical Christianity. While acknowledging that as individuals we are at different points along the way, we are all nevertheless journeying toward the ideals described in the four perspectives that follow: Christian, Academic, Developmental, and Service.

### Christian

We are Christians who:

believe that God is the origin of all things and the source of the values made known to us in His creation, in human experience, and finally and fully, in Jesus Christ.

hold the Bible as the Word of God, the basis of our faith, and the primary record by which these values are made known.

rely on the Holy Spirit to help us discover these values, to understand them, and to live a life consistent with them.

live as citizens of the Kingdom of God, who model its values and thereby call into question the values of the world.

confess Jesus Christ as Lord of our lives, our university, and our world, and as the final authority for our faith and life.

recognize that redemption by Jesus Christ and personal acceptance of His forgiveness are necessary for human wholeness.

show love toward God (holiness of heart) and a love toward each other (holiness of life) which express themselves in worship, self-denial, and a special concern for the oppressed and which encourages us to abandon those distinctions that divide us.

practice community among ourselves as members of the one body of Christ and maintain a nonsectarian openness toward all Christians.

## Academic

We are scholars who:

believe that all truth is of God; therefore, we recognize the importance of each field of study both for its own significance and for its interrelationship with other areas of knowledge.

believe that God desires that we pursue excellence according to the standard of His will for us.

exhibit intellectual curiosity, flexibility, and critical open-mindedness.

are able to deal with complexity and ambiguity, to communicate effectively, weigh evidence, and make decisions.

recognize that a knowledge of history is a key to understanding ourselves, our world, and our future.

have a basic understanding of Christianity, the humanities, the social sciences, and the natural sciences.

know the language, art, and customs of at least one other culture or know the cross-cultural issues within one's own discipline in order to develop understanding of, respect for, and cooperation with those of all other cultures.

promote and expand the body of knowledge related to our profession or discipline.

have a thorough command of the primary sources, methodology and research skills, major issues, vocabulary, and facts in at least one academic field of study and understand how the skills acquired in this way may be adapted to other fields of endeavor.

encourage and make provision for any person to learn at any period of life.

## Developmental

We are persons who:

seek to develop a creative Christian lifestyle whose purpose flows from a commitment to God through Jesus Christ.

honor our commitments and take responsibility for our personal behavior, decisions, and continuing growth.

know from experience that self-discipline, struggle, risk, and confrontation are necessary for growth, and recognize that because of the grace of God we grow even through our failures.

have experiences in self-assessment in every dimension of our lives, in values-clarification based on biblical truths, and in planning for continuous individual growth and renewal.

understand the capabilities of our physical bodies and are committed to the lifelong nurturing of our physical selves.

### Service

We are servants who:

are able to follow joyfully Jesus' example of service in the world and to pour out our individual and corporate lives for others because of God's love in Christ for us.

share our faith unashamedly, disciple other Christians, participate in missionary endeavors, minister to the needs of all persons regardless of their agreement with our beliefs, and affirm the unique worth of every individual as one created by God, as one for whom Christ died, and as one who has been given individual gifts and talents to be discovered, developed, and directed toward service.

are faithful stewards of our time, talents, and resources that welcome and seek opportunities for service as a means to clarify and practice our faith and knowledge.

## Statement of Faith

We believe the Bible to be the only inspired, infallible, authoritative Word of God.

We believe that there is one God, eternally existent in three persons—Father, Son, and Holy Spirit. We believe in the deity of our Lord Jesus Christ, in His virgin birth, in His sinless life, in His miracles, in His vicarious and atoning death through His shed blood, in His bodily resurrection, in His ascension to the right hand of the Father, and in His personal return in power and glory.

We believe in the fall of man and his consequent total moral depravity, resulting in his exceeding sinfulness and lost estate and necessitating his regeneration by the Holy Spirit.

We believe in the present and continuing ministry of sanctification by the Holy Spirit by whose infilling the believing Christian is cleansed and empowered for a life of holiness and service.

We believe in the resurrection of the saved and the lost: those who are saved to the resurrection of life and those who are lost to the resurrection of damnation.

We believe in the spiritual unity of believers in our Lord Jesus Christ.

The following are fundamentals held to be essential, and the university expects students and staff not only to believe in them, but to practice them in daily living:

- Caring, effective love both of God and humankind
- A Christlike unity and acceptance between believers
- A lifestyle dedicated to God's will in society
- A growing, victorious state of mind because of the indwelling Christ
- A daily affirmation of Christ as Lord

- A willingness to serve the Lord, even if it means sacrifice
- A desire to be more sensitive to the personal work of the Holy Spirit
- A working faith in God's promises for all needs and daily life situations
- A witness for Christ without hypocrisy
- A firm, committed desire to be God's person

## Statement of Academic Freedom

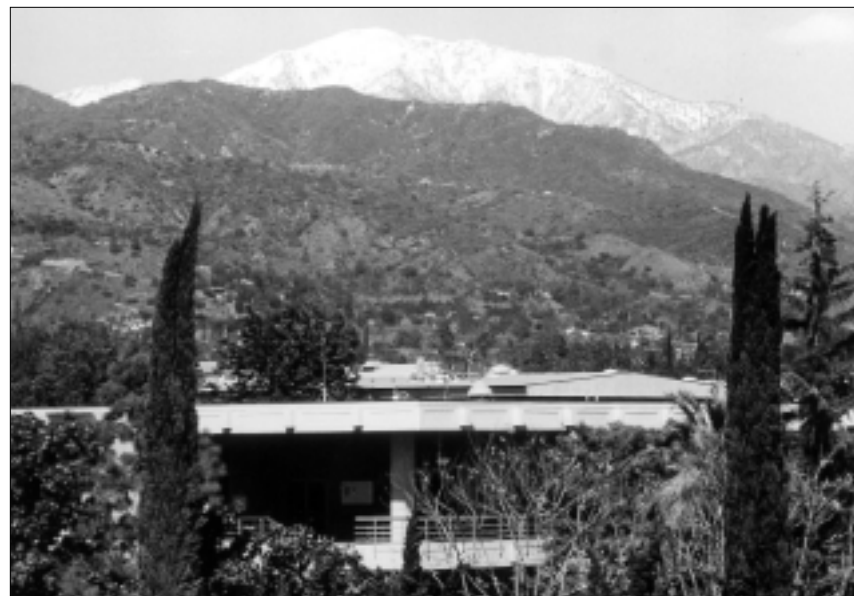
Azusa Pacific University adheres to the 1940 "Statement of Principles" by the American Association of University Professors and includes the statement in its Faculty Handbook. It states:

The teacher is entitled to complete freedom in the classroom in discussing his/her subject, and students should be encouraged to discuss any related controversial issues. However, the teacher should be careful to avoid dogmatic generalizations in any field.

The teacher is entitled to full freedom in research and the publication of the results, subject to the adequate performance of his/her other academic duties; but research with pecuniary return must be based upon an understanding with the administration of the institution.

Academic freedom carries with it responsibilities and obligations. Hence, the teacher should be accurate, restrained, and respectful of the opinions of others.

However, the "Statement of Principles" allows for some degree of limitation of academic freedom "because of religious or other aims of the institution, provided that such limitations are clearly stated in writing at the time of appointment." Azusa Pacific University adheres to this provision through the inclusion of the "Statement of Faith" within faculty application materials.



## History

Azusa Pacific University is the product of the merger between three Christian institutions in the Southern California area. The following is a brief historical sketch of the three respective colleges: The Training School for Christian Workers, Pacific Bible College, and Azusa College.

The origins of Azusa Pacific University date back to 1899. During that year, a group of spiritual leaders from various denominations met to pray in the home of Philena B. Hadley. Their mutual concern was the formation of a Bible college in the Southwest for the purpose of training students for service and missionary endeavors. As a result of their efforts, the first class of 12 students met on March 3, 1900.

The first principal for the school was Mary A. Hill, who served in this position for one year. In 1901 the school was moved to the Boyle Heights area of Los Angeles and then to Figueroa and First streets in 1902. In 1907 the school obtained facilities in

Huntington Park and remained there until moving to the Citrus and Alosta location in Azusa. For many years, the school was known as the Training School for Christian Workers. In 1939 the name was changed to Pacific Bible College.

In 1946 a 12-acre campus was purchased one mile east of Azusa on Highway 66. In 1955 a gift of an additional 1.6 acres adjacent to the campus made possible a further expansion of the program for education of young people in a Christ-centered atmosphere. In 1956 the name of the college was officially changed to Azusa College.

Los Angeles Pacific College was founded in 1903, and was then named Los Angeles Free Methodist Seminary by a group of ministers and laymen of the Free Methodist Church who desired for their children to receive the best in educational advantages within a Christian atmosphere. The 1954 session of the board and administration of the Free Methodist Church of North America granted senior college standing to

Los Angeles Pacific College. Two distinct courses of study were offered: one leading to the associate of arts degree; the other, to the bachelor of arts degree. In the spring of 1965, Los Angeles Pacific College merged with Azusa College to form Azusa Pacific College.

Arlington College was established in 1954 by the Association of the Churches of God in Southern California. The school was founded to provide training at the collegiate level for ministers, church musicians, church school teachers, and missionaries. Class instruction began on October 1, at Arlington, California, in temporary facilities made available by the Association. In 1959 the college secured a five-acre site in Long Beach adjacent to California State University.

Following extensive discussion and planning with Cornelius P. Haggard, Ph.D., President of Azusa Pacific College, the Long Beach property of Arlington College was sold; and, in the fall of 1968, Arlington College merged with Azusa Pacific College. The library furnishings and equipment from the Long Beach property, along with a sum of \$50,000, were donated for the purpose of perpetuating an Arlington Memorial Room on the Azusa Pacific Campus. The faculty, staff, and students of Arlington College were warmly welcomed by their new college family at the Azusa campus.

Azusa Pacific University is a comprehensive Christian university of the liberal arts and professional programs that seeks to serve its denominations and their evangelical constituencies throughout the world. Cooperative denominations include the Brethren in Christ Church, the Church of God, the Free Methodist Church, the Missionary Church, the Friends Church, the Wesleyan Church, and the Salvation Army. The university aims for the holistic development of its students, promoting an entrepre-

neurial spirit through academic excellence and outstanding cocurricular programming.

The Board of Trustees took action in February 1981 to assume university status. In May 1981 the board adopted the name Azusa Pacific University. The university is accredited by the Western Association of Schools and Colleges. The nursing program is accredited by the National League of Nursing. The undergraduate social work program is accredited by the Council on Social Work Education. The Graduate School of Theology is accredited by the Association of Theological Schools. Azusa Pacific University offers programs approved by the California Commission on Teacher Credentialing for elementary or secondary school teaching. Azusa Pacific University is approved for the training of veterans under the Veterans Bill of Rights. The University is designated by the United States Department of Justice for the training of students from foreign countries.

### Location and Campus

Azusa Pacific University is located in the San Gabriel Valley community of Azusa, 26 miles northeast of Los Angeles. The surrounding mountains provide a rugged, wilderness-like backdrop to the campus. Situated on the 52-acre campus are the university administrative facilities, library, classrooms, student center, gymnasium, residence halls, and student apartments. The purchase of 21 additional acres on Foothill Boulevard, within a quarter-mile of campus, provided the university with room to grow. The West Campus now houses the Schools of Nursing and Education and Behavioral Studies, as well as the Department of Computer Science, numerous classrooms and faculty offices, administrative facilities, the state-of-the-art Hugh and Hazel Darling Library, a food court, and bookstore. The 3,500-seat, \$10.2 million Event Center will be the next major building project.

The location of Azusa Pacific University affords its residents easy access to the popular mountain and beach resorts of Southern California and all of the cultural attractions of Los Angeles County. Students enjoy visiting Disneyland, Magic Mountain, Knott's Berry Farm, Universal Studios, and the major television studios. Desert resorts are less than a two-hour drive from the university. The climate is moderate; mostly warm and dry throughout the school year.

University residence is an important part of every student's experience. A majority of the undergraduate students live on campus. The university offers food, health, and counseling services; and recreation opportunities to these students and the commuting students who desire them. Approximately 85 percent of the students at Azusa Pacific University are from California; the remaining students are from 24 states and 54 countries.

### Accreditation and Memberships

Azusa Pacific University is accredited by the Western Association of Schools and Colleges. The nursing program is accredited by the National League for Nursing and the Board of Registered Nursing. The Social Work Program is accredited by the Council on Social Work Education. The C. P. Haggard School of Theology is accredited by the Association of Theological Schools. Azusa Pacific University offers programs approved by the California Commission on Teacher Credentialing and Licensing authorizing elementary and secondary school teaching. Azusa Pacific University is approved for the training of veterans under the Veterans' Bill of Rights. The university is listed with the United States Department of Justice for the training of students from foreign countries.

The university holds membership in the American Alliance of Health, Physical

Education, Recreation, and Dance; American Assembly of Collegiate Schools of Business; American Association of Colleges of Nursing; American Association of Registrars and Admissions Officers; American College Health Association; American Psychological Association; Association of Christian Schools International; Association of Collegiate Business Schools and Programs; Association of Conference and Events Directors; Association of Free Methodist Educational Institutions; Association of Independent California Colleges and Universities; Association of Independent California Colleges of Nursing; Association of Teacher Educators; Association of Theological Schools; California Association of Colleges for Teacher Education; California Association of Colleges of Nursing; California Campus Compact; California Council on the Education of Teachers; Council of Christian Colleges and Universities; Council of Graduate Schools; Council of Independent Colleges; National Association of Christian College Admissions Personnel; National Association of College Admissions Counselors; National Association of Graduate Admissions Professionals; National Association of Independent Colleges and Universities; National Association of Student Financial Aid Administration; National Collegiate Honors Council; National Commission on Accrediting; National League for Nursing; National Society for Experiential Educators; Pacific Association of Collegiate Registrars and Admissions Officers; Sigma Theta Tau International; Western Association of College Admissions Counselors; Western Association of Graduate Schools; Western Association of Schools and Colleges; Western Institute of Nursing; Western Society for Research in Nursing; and Western Interstate Commission for Higher Education.



Accreditation documents are available in the Office of the Provost.

### International Sister Schools

Azusa Pacific University has enjoyed a long-standing international commitment. In addition to involving international students as a vital part of campus life, APU has established sister school affiliations with the following:

Alliance Academy

Quito, Ecuador

Chiao Tai High School

Ta-Li City, Taiwan, R.O.C.

Christian Academy in Japan

Tokyo, Japan

Christ's College

Taipei, Taiwan, R.O.C.

Faculte Libre d'Economie et de Droit

Paris, France

Holy Light Theological Seminary

Kaohsiung, Taiwan, R.O.C.

Ili Teacher's College

Xinjiang, China

Methodist Pilley Institute

Sarawak, Malaysia

Nan-Tai College

Tainan Hsien, Taiwan, R.O.C.

Orio Women's Educational Institute

Kitakyushu, Japan

Rima College

Kuala Lumpur, Malaysia

St. Too Girls' College

Kowloon, Hong Kong

Tokyo Biblical Seminary

Tokyo, Japan

Universidad Autonoma de Zacatecas

Zacatecas, Mexico

### Libraries

Azusa Pacific's libraries include the Marshburn Memorial Library (located

on the East Campus), the Hugh and Hazel Darling Library (located on the West Campus), and six center/site libraries in the Inland Empire, Orange County, San Diego, Ventura, Watts, and Wilshire. A unified catalog identifies the more than 150,000 books, media, and 1,400 serial titles. More than 550,000 microforms include the Library of American Civilization, Library of American Literature, *New York Times*, and Educational Resources Information Center collections. The university network provides access to more than 100 electronic databases as well as all of the material available on the Web. Regular hours for the two main facilities are:

Monday-Thursday	8 a.m.-11 p.m.
Friday	8 a.m.-4 p.m.
Saturday	11 a.m.-5 p.m.
Sunday	2-10 p.m.

Special hours may be set for final exam weeks, vacation breaks, and holidays.

The holdings of the Marshburn Memorial Library include collections supporting liberal arts and sciences, religion, and business. This library includes extensive denominational collections of the Salvation Army, Free Methodists, Church of God (Anderson), and Society of Friends; a large holiness collection; and a historical music education collection. This library houses the Media Center with state-of-the-art audio-visual equipment, providing access to a large video, CD, and cassette tape collection. It also houses InterLibrary Loan and Document Delivery Services and the Office of Faculty Development.

The holdings of the Hugh and Hazel Darling Library include collections supporting education, nursing, professional psychology, and computer science. The library is comprised of the Stamps Rotunda, which offers a traditional library environment of book stacks and individual study carrels, and the Ahmanson Integrated

Information Technology Center, which includes 75 workstations for researching the 100 plus licensed electronic resources. This center also houses 8 scholar study rooms, 12 group study rooms, 4 conference rooms, and the children's literature collection. These two main areas are joined by the ECF Academic Hall of Fame.

Each off-campus library provides a core collection of holdings with an emphasis on the programs at that location. Each off-campus library also include computers which provide access to all of the electronic library resources and services.

### Computers

Azusa Pacific University encourages students to have their own computers for word processing, searching information databases, and exploring the Internet. The library catalog and other APU licensed databases are available through dial-in access with a computer and modem. Faculty and other students are accessible through electronic mail on the Internet.

The following may be used as a guide for minimum standards when purchasing a computer for use at APU:

PC Pentium 233 mhz processor  
32 mb RAM  
1 gig Hard Drive  
33.3 Modem

Macintosh 200 mhz processor  
32 mb RAM  
1 gig Hard Drive  
33.3 Modem

### Academic Computer Centers

Azusa Pacific University has 20 computer centers. The Academic Computer Center (ACC) is the general purpose computer facility located on the East Campus. This center is equipped with 35 PC workstations, 30 Macintosh workstations, and 4 HP Laser Jet printers. Software available

includes SPSS, Microsoft Office 97, professional word processing, spreadsheets, medical programs, and databases, a variety of discipline specific programs, and full Internet access. The center is open seven days a week for maximum utilization by students. Lab assistants are available during all operational hours.

The remaining 19 computer labs include the Educational Technology labs located on the West Campus in Building One and at the Inland Empire, Orange County, and Temecula Valley/Menifee centers; and the labs of the School of Music, the School of Business and Management, and the Departments of Physical Therapy, Mathematics and Physics, and Biology and Chemistry, in their respective areas.

### Instructional Technology and Media Services

Instructional Technology and Media Services (ITMS) is located in the Fletcher Jones Center adjacent to the Hugh and Hazel Darling Library on the West Campus. ITMS includes computer, video, audio, and graphic equipment and services. ITMS manages all classroom media support. Facilities include:

- Student video editing suite
- Live sound stage and video control room
- Graphics production (color copier, poster maker, Ellison die-cuts, paper cutters, paints, laminators, book binders, and computer graphics)
- Camcorders available for check-out for class projects.
- Internet services (Internet service is provided for both on and off campus. Internet service is \$50 per semester or \$100 per calendar year.)

### Intercollegiate Athletics

Azusa Pacific University, a member of the National Association of Intercollegiate Athletics (NAIA), sports a nationally

renowned 14-team intercollegiate athletic program. The Cougars also are a charter member of the Golden State Athletic Conference (GSAC), a 10-member conference featuring Christian colleges and universities throughout California.

Azusa Pacific men and women compete in cross country, soccer, basketball, tennis and track and field, while women in compete in volleyball and softball and men in football and baseball.

Over the past three years, the Cougars have finished in the top 10 of the prestigious Sears Director's Cup, which rates the top NAIA athletic programs. Azusa Pacific is also the four-time defending GSAC All-Sports champion.

In fall 1998, Azusa Pacific won the NAIA National Championship in football and women's soccer, and now has captured 15 NAIA national titles since 1980. The Cougar football team, one of only two members of the national Council for Christian Colleges and Universities west of the Rockies to field a football team, was crowned national champion after posting a 12-2 record, its finest in school history. The women's soccer team finished a perfect 25-0 in winning its first title. The women broke 19 conference records in collecting a GSAC title.

The Cougar men's track and field team has garnered 12 NAIA National Championships since 1980, while the men's cross country team finished in the NAIA's Top 20 in five of the past six seasons. The men's basketball team is the seven-time defending GSAC champion and has made four straight trips to the national tournament, making a Final Four appearance in 1998 and 1999. The men's tennis team was the GSAC champion in 1998 and has made

two consecutive trips to the national tournament. Cougar baseball has averaged more than 30 victories a year over the past 11 seasons, thanks to five GSAC championships since 1990. Men's soccer advanced to the 1996 NAIA national tournament.

Cougar softball has won two of the past three GSAC crowns and finished fifth at the 1996 and 1997 NAIA National Tournament. The women's basketball team won the GSAC championship in 1999, while enjoying its finest season in over a decade. Women's cross country finished fifth at the 1995 NAIA national tournament, its finest showing ever. Women's tennis, in just its second year of intercollegiate competition, has already garnered a national ranking. The volleyball team has advanced to the national tournament twice since 1991.

### **Statements of Compliance**

Azusa Pacific University, in compliance with Title VI and VII of the Civil Rights Acts of 1964 and Title IX of the Educational Amendments of 1972, does not discriminate on the basis of race, color, national origin, gender, age, disability, or status as a veteran in any of its policies, practices, or procedures. The dean of students is the campus coordinating officer for Title IX, and all inquiries should be made to the Office of Student Life.

In compliance with Section 504 of the Rehabilitation Act of 1973, Azusa Pacific University does not discriminate on the basis of disability in the recruitment and admission of students, or in the operation of any of its programs and activities, as specified by federal laws and regulations. Persons with questions about the Rehabilitation Act may contact the dean of students.



## Admission Policies

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## Undergraduate Admission to the University

Azusa Pacific University brings to its campus students who are committed to personal, intellectual, and spiritual growth. Applicants must evidence sympathetic appreciation for the standards and spirit of the university and exhibit moral character in harmony with its purpose. The university encourages applications from students who will contribute to, as well as benefit from, the university experience. In assessing the applicant's potential for success, academic capabilities, as well as involvement in church, school, and community activities, are reviewed.

To be considered for admission, the applicant should have completed the course of study at an accredited high school. (High school nongraduates should refer to the section in this catalog titled "Admission of High School Nongraduates," p. 22.) It is suggested that the high school background include courses in English, social studies, math, science (including one laboratory science), and a foreign language. The college preparatory sequence of courses offered by most high schools is considered sufficient for college.

The applicant's previous scholastic record is considered an important indicator of potential success at the university. Applicants are required to achieve a minimum grade-point average of 2.5 in high school or 2.0 in previous college work. Grade-point averages are determined by the university. High school grade-point averages do not include marks in physical education or driver's training, or from the freshman year. (For information on admission with provisional or probationary status, see the section of this catalog titled "Admission Status," p. 20.) While each applicant is considered for admission on individual merit, certain criteria are used in the selec-

tion process. These criteria are delineated in the following sections. In some cases, the Admissions Committee may request a personal interview with the applicant. Azusa Pacific University, in compliance with federal regulations, does not discriminate on the basis of race, color, national origin, gender, age, disability, or status as a veteran.

To apply for admission to Azusa Pacific University, request an application from the Office of Undergraduate Admissions, Azusa Pacific University, 901 E. Alosta Ave., PO Box 7000, Azusa, CA 91702-7000; send an email to [admissions@apu.edu](mailto:admissions@apu.edu); or call (626) 812-3016 or (800) TALK-APU [(800) 825-5278].

The following admissions deadlines apply:

Spring 2000	December 1, 1999
Fall 2000	June 15, 2000

### Freshman Applicants

A freshman applicant is defined as one who has fewer than 28 units of college credit following high school graduation.

#### The following information is required prior to evaluation of admissibility:

#### Application and Statement of Agreement

These two forms should be submitted, along with the three essay questions.

#### Application Fee

A \$45 nonrefundable application fee is required and must accompany the application. The check or money order should be made payable to Azusa Pacific University.

#### Transcripts

Applicants are responsible for requesting that the high school from which they graduated and each college or university they attended send official transcripts directly to the Office of Undergraduate Admissions. High school students applying for admission as a freshman should request



that their school office forward a preliminary transcript showing courses and marks for freshman through junior years, or through the first semester of the senior year if the application is made after the completion of that semester. A final transcript must be sent following graduation. The transcript and other documents submitted as part of the application become the property of the university and cannot be returned to the student or forwarded in any form to another college or university.

#### Preadmission Tests

All freshman applicants are required to submit scores from the American College Testing (ACT) Program or the Scholastic Aptitude Test (SAT). It is recommended that all high school applicants take the ACT or SAT by January of their senior year. Applicants may secure detailed information on testing schedules from their high school.

#### References

Applicants are required to supply two references from people who are familiar with their character and/or academic background. The university suggests a teacher and a pastor, youth director, or counselor. Family members may not fill out these forms.

#### Transfer Applicants

Azusa Pacific University welcomes applications from transfer students. The same credentials are required as for freshman applicants with the following exceptions:

1. If 28 or more semester units have been completed at an accredited college or university, preadmission tests are not required.
2. A minimum grade-point average of 2.0 for all college work completed is required for admission.

- Transfer students who have been dismissed from previous colleges must complete two semesters, taking a minimum of 12 units each semester, receive no Ds, Fs or withdrawals, and maintain a minimum 2.0 grade-point average.

In addition, transfer students must submit transcripts from any and all colleges and universities attended whether or not credit was given. Transfer applicants who have completed more than 12 core units of transferrable, semester, or college credit are not required to submit ACT or SAT test scores.

The university can give credit for no more than 64 units of junior or two-year college work. No upper-division credit can be allowed for courses taken at a junior or two-year college.

The Office of the Registrar will evaluate previous college work to determine its relationship to the requirements of Azusa Pacific University. A credit summary will be sent to the student showing those courses that have been accepted on transfer and those courses that still need to be taken to fulfill the general studies requirements of the university. Only courses where a grade of C or above has been earned can be considered for transfer of credit.

### Part-Time Applicants

Azusa Pacific University welcomes part-time students wishing to take up to six semester units. In order to be considered for part-time admission, a student must submit the following items:

- The application and signed Statement of Agreement
- The \$45 nonreturnable application fee
- Official transcripts from all schools attended. Official transcripts must be sent directly from schools to Undergraduate Admissions. Hand-carried transcripts will not be accepted as official.

*Note: If 28 or more semester units have been completed at an accredited college or university, high school transcripts are not required.*

A student who is admitted to the university part time may continue to take up to six units during following semesters without having to reapply. Students wishing to take more than six units must complete the full application for admission.

(See “Freshman Applicants” or “Transfer Applicants,” pp. 18-19.)

### Policy Regarding False Information

*Students are advised that admission is contingent upon the truthfulness of the information contained in the application files. Discovery of false information subsequent to admission is, at the university's discretion, grounds for immediate dismissal at any point in the student's course of study. Such dismissal shall result in forfeiture of all charges paid and academic credits earned.*

*The full fraudulent records policy may be obtained from the Office of the Registrar.*

### Readmission

Students planning to return to Azusa Pacific University after an absence must complete the following requirements in accordance with the length of their absence: An absence of one or two semesters requires that the student need only complete a re-enrollment form, and supply transcripts of any college work taken elsewhere during the absence; an absence of more than two years requires that the student complete all application materials as listed elsewhere in the admissions section of this catalog. All students applying for re-enrollment must be approved by the Offices of Student Financial Services, the Registrar, and the Dean of Students before re-enrollment will be considered.

### Admission Status

Applicants who meet all the requirements for admission are granted admission with regular standing to Azusa Pacific. They are permitted to continue in this classification as long as they maintain a satisfactory grade-point average and continue to meet the general standards established by the university for admission and graduation. Some applicants may be deficient in one or more of the requirements for admission, but in the estimation of the Admissions Committee, they may merit opportunity to prove themselves at Azusa Pacific. Such applicants are admitted with provisional or probational standing for one or more semesters. These students may be limited to 12 semester units and required, at the committee's discretion, to pass the Freshman Writing Seminar that focuses on study skills and strategies improvement (designed to assist students in their adjustment to university life), and study one-on-one with a tutor. If satisfactory progress is made, they will be given regular standing at the end of their probation; if not, they will be asked not to enroll for the succeeding semester. There are a limited number of spots for provisional/probational students per year.

In certain cases, the Admissions Committee may decide to offer acceptance to applicants who have not completed all of the admissions requirements; for instance, students still involved in course work at another institution will be unable to send complete transcripts to Azusa Pacific University. In such instances, the applicant is obligated to complete the admissions requirements as soon as possible. When these requirements are met, the student will be granted full admission. Failure to satisfactorily complete all requirements may result in withdrawal of the university's acceptance offer.

### Notification of Admission

Azusa Pacific University follows a procedure of rolling admission, which means that a prospective student may submit an application any time up to **December 1, 1999** for spring 2000; or **June 15** for the fall 2000. However, applications for the fall semester should be submitted by **January 1** to ensure that priority consideration is given for both admission to the university and financial aid. When the application requirements have been satisfied, the applicant's file is reviewed by the Admissions Committee. The applicant is notified after the Admissions Committee's decision. The Office of Undergraduate Admissions maintains regular contact with all applicants regarding the status of their application file.

### Confirmation of Admission

Students must send a \$100 nonrefundable tuition deposit by **May 1** for the fall semester and **November 1** for the spring semester. Azusa Pacific processes deposits received after **May 1** according to space availability. The deposit is not an additional fee, but is credited to the student's account.

### Reservations for On-Campus Housing

Following notification of acceptance, students will be sent a housing application. The application must be completed and returned to the Office of Residence Life along with a \$250 room deposit by **May 1** to secure fall/spring housing. A housing contract and emergency notification card will then be sent to the student, which must be signed and returned by the date indicated to confirm the reservation. This contract is binding for the entire academic year. Refunds will be given to students who send written notification of cancellation by **June 1** for fall and by **November 1** for spring.

When the deposit is received by the Office

of Residence Life, a room, if available, is placed on reserve until 5 p.m. the Friday after school officially begins. Any request to hold a room assignment beyond this time must be in writing and received by the Office of Residence Life at least 24 hours prior to the opening of the residence halls.

### Credit by Examination

Credit may be earned through placement examinations. There are three examinations recognized by the university: Advanced Placement (AP) Tests, the College Level Examination Program (CLEP), and the International Baccalaureate (IB) Program.

Credit is granted to students who score a three or higher on the AP Test (see p. 23); meet the cut-off level in CLEP subject area tests (individually determined by each APU department or school); or a five or higher on the IB higher level exams. There is no maximum number of credits that can be accumulated from these tests. Credit received by examination is tuition-free and applies toward the total requirement for graduation from the university.

College credit earned by a student still in high school may be transferred to Azusa Pacific University provided the course was taken at an accredited college. An official college transcript must be sent from the college to Azusa Pacific in order for such course work to be evaluated for transfer of credit. Requirements for transfer applicants apply.

### Admission of Home School Students

Admission will be based on the completed application (see “Undergraduate Admission to the University,” p. 18) with stronger emphasis on the student’s SAT or ACT scores. Applicants who are homeschooled and do not have an official high school transcript to submit to the university with the Application for Undergraduate Admissions are not required to take the

General Education Development (GED) Test or the California High School Proficiency Examination. If the student does not have access to an official transcript or does not subscribe to a transcript service, the student will be sent a transcript evaluation form to be completed by the primary teacher. The transcript evaluation and academic reference may be completed by a parent if the individual is the primary teacher.

### Admission of High School Nongraduates

Applicants who are not high school graduates may still be considered for admission. Azusa Pacific accepts some students who have acquired equivalency certificates or diplomas through GED tests or the California High School Proficiency Examination. The Office of Undergraduate Admissions evaluates such candidates’ individual merits and high school achievement records. Greater emphasis may be given to either the SAT or ACT results. A person 25 years of age or older, who is not a high school graduate, may be admitted with adult status by special action. In both cases, the applicant’s test scores and experience are evaluated for evidence of ability to complete college work. All such applicants should follow the application procedure for new students.

### Veterans’ Education Benefits

Azusa Pacific University is an approved degree-granting institution for veterans and eligible dependents seeking educational training under Title 38, Chapters 30, 31, 32, 34, 35, and 106. The final cutoff date for eligible veterans to use Chapter 34 benefits is December 31, 1989.

### Admission to Particular Majors

Admission to Azusa Pacific does not automatically guarantee admission to certain specialized programs within the university. The program admission criteria are set and acceptance is determined by the faculty of

### Credit for Advanced Placement Exams

Exam Subject	Score	Units	Credit Awarded
Art-General	3, 4, 5	3	Aesthetics and the Creative Arts core
Art-History	3, 4, 5	3	Aesthetics and the Creative Arts core
Biology	3, 4, 5	4	Nature core
Calculus AB	3, 4	5	Math 251 (Calculus I)
Calculus AB	5	9	MATH 251/252 (Calculus I and II)
Calculus BC	3	5	Math 251 (Calculus I)
Calculus BC	4, 5	9	MATH 251/252 Calculus I and II)
Chemistry	4, 5	8	Nature core and CHEM 152
Computer Science	3, 4, 5	3	Elective Units, not General Studies
English Language/Comp	3, 4	3	Freshman Writing Seminar
English Language/Comp	5	6	Freshman Writing Seminar and three non-general studies elective units
English Literature/Comp	3, 4	3	Freshman Writing Seminar or Language and Literature core
English Literature/Comp	5	6	Freshman Writing Seminar and Language and Literature core
European History	3, 4, 5	3	Elective units, not general studies
French	3	4	FREN 101
French	4, 5	8	FREN 101/102
German	3	4	GERM 101
German	4, 5	8	GERM 101/102
Gov’t & Politics-Comparative	3, 4, 5	3	Elective units, not general studies
Gov’t & Politics-U.S.	3, 4, 5	3	Heritage and Institutions Core
Econ-Macroeconomics	3, 4, 5	3	Elective units, not general studies
Econ-Microeconomics	3, 4, 5	3	Elective units, not general studies
Latin	3	4	General studies skills, foreign language requirement
Latin	4, 5	8	General studies skills, foreign language requirement
Latin Literature	3, 4, 5	3	Elective units, not general studies
Music Theory	3, 4, 5	4	Aesthetics and the Creative Arts core
Physics	3	4	Nature core
Physics	4, 5	8	Nature core
Psychology	3, 4, 5	3	Identity and Relationships core
Spanish	3	4	SPAN 101
Spanish	4, 5	8	SPAN 101/102
Spanish Literature	3, 4, 5	3	Elective units, not general studies
Statistics	3, 4, 5	3	Elective units, not general studies
U.S. History	3, 4, 5	3	Heritage and Institutions core

If a student takes a college course for which he/she has already received AP credit, the student forfeits the AP credit.

these specialized programs. Information regarding application deadlines and admission criteria may be obtained from the academic discipline to which the student wishes to apply.

## International Undergraduate Admission

Azusa Pacific is authorized under federal law to enroll nonimmigrant students and issue U.S. Immigration documents I-20 or USIA document IAP66. Students who understand and are in sympathy with the university's Christian principles and atmosphere are welcome to make application. The credentials required are the same as those listed under the freshman applicants section of the catalog with the following exceptions: The SAT/ACT are not required; the nonreturnable application fee is \$65; an affidavit of financial support and bank statement must be submitted proving ability to pay for educational costs through personal, family, or other sponsor resources\*; a 2.5 grade-point average is required of all high school applicants and transfer college applicants where English was not the medium of instruction; and the applicant must provide an original TOEFL (Test of English as a Foreign Language) certificate with a score of at least 500 (550 for School of Nursing applicants).

\*One year's tuition may be required in advance and placed on the student's account prior to issuance of the immigration document I-20 or IAP66.

### TOEFL Waiver

Students with more than 48 academic semester units from U.S. colleges or universities (taken just prior to attending APU) may be able to waive their TOEFL requirement for admission. Semesters with any ESL classes taken will not be counted toward the 48 units.

### Conditional Admission

Students whose TOEFL scores are between 450-499 (or who have completed Level 4 in the School of Intensive English), providing that all the other admission requirements have been met, may choose one of the following:

1. Enroll in the High Achiever's Program. This program involves taking 8 units of intensive English (GLBL 098 and GLBL 099) and 6 units of other university course work up to 14 units maximum during their first semester. Students' progress in their GLBL classes and other university classes will be monitored. If, at the end of the semester, the student's progress is deemed satisfactory, credit will be given in GLBL 098 and 099, and the student will be allowed to enroll in a full course of regular studies. If, however, the work in one or both areas is unsatisfactory, the student will be granted no credit in GLBL 098 and 099, but will be allowed to re-enroll the following semester in these courses as well as six more units of regular university course work. If, at the end of the second semester, the work is still unsatisfactory, the student will be required to study English full time at the School of Intensive English (SIE) before re-enrolling.
2. Enroll full time in the School of Intensive English (SIE) and complete Level 5 (equivalent to a TOEFL score of 500). Completing Level 5 waives GLBL 098 and 099.

### School of Intensive English

A student whose TOEFL score is below 450 may apply to Azusa Pacific University's School of Intensive English (SIE). The SIE trains students to use English proficiently in all areas: listening, speaking, reading, and writing. In addition, SIE students experience American culture, thus enhancing the learning process. The SIE has seven levels of study—beginning through advanced—taught in eight-week sessions. Levels 1-4 each require one session to complete, while Levels 5-7 require two. Students in Level 5 may audit university classes for noncredit. Level 6 and 7 is for graduate level students only.

Azusa Pacific University reserves the right to require additional English testing/classes after the student has arrived at the university if considered necessary.

### Proficiency Exams

All new students with freshman status (less than 28 credit units of transfer from an accredited college or university) will be required to take proficiency exams in reading, writing, and math. If necessary, the student may be required to take additional course work to strengthen comprehension in the area of deficiency.



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## Financial Information

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## Student Financial Services

Higher education is one of the most important investments an individual can make. Cost should not be the only determining factor in selecting the appropriate university; however, having a clear understanding of the expense involved is an integral part of making a well-informed choice.

The Office of Student Financial Services assists students in answering questions related to financial aid, student employment, and student accounts. Simply call (626) 812-3009 with any questions. Office hours: Monday-Thursday, 9 a.m.-5 p.m.; Friday, 9 a.m.-4:30 p.m.

## Cost of Attendance 1999-2000

(effective 9/1/99)

### Matriculation fees

Application	\$45
International Application	\$65

### Tuition

12-17 Units*	\$7,315/semester (includes Health Fee)
New Student Deposit (one time fee to be applied to account upon registration)	\$100

Per Unit	\$600/unit
Extended Studies	\$245/unit

Audit	\$300/unit
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Student Teaching (12-unit package)	\$3,950/semester
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\*The 18<sup>th</sup> unit is free if a student has completed at least 28 units at APU and has a 3.45 or better cumulative grade-point average. See the Office of the Registrar for more information.

### Room

Residence Hall—Adams and Smith	\$1,190/semester
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Residence Hall—Engstrom	\$1,300/semester
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Apartment—Bowles, Canyon Gardens, and University Park**	\$1,315/semester
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Apartment—Shire Modulars	\$1,380/semester
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Apartment—Pacific Glen** (1 bedroom/1 bath)	\$1,690/semester
(2 bedroom/2 bath)	\$1,450/semester

\*\*Bowles, Canyon Gardens, Pacific Glen, and University Park residents must pay utilities (gas and electric). This will cost an estimated \$400 a year per apartment and vary with usage.

### Board

20 meals/week	\$1,250/semester
15 meals/week	\$1,155/semester
10 meals/week	\$830/semester
7 meals/week	\$580/semester
5 meals/week	\$416/semester
Door Prices: Breakfast	\$4.50
Lunch	\$7
Dinner	\$6

### Mandatory Fees

University Access and Safety Fee (mandatory for all on campus and international students)	\$35
15-week semester	\$35
9-week session	\$15

Health Fee (mandatory for students with seven or more units, optional for students with six or fewer) \$170/semester

Graduation Fee (paid by graduating seniors when they file their Intent to Graduate form) \$60

Yearbook Fee	\$27/year
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### Special Fees

Art Fee	\$65/class
New Student Housing Deposit	\$250
Returning Student Housing Deposit	\$300
Independent Study	\$100/unit
International Fee	\$80/semester
Internet Fee	\$50/semester
Online Fee	\$120
Late Registration Fee	\$100/semester
Missions Seminar	\$50
Music—Private Lessons	\$200/unit
Music Choir Outfit	
Bel Canto	\$350/year
Jubilant Song	\$350/year
Male Chorale	\$475/year
University Band and Jazz Ensemble	\$25/year
University Choir	\$495/year

Nursing Fees (includes malpractice insurance) (\$200 semester maximum)	\$100/per course
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Placement File	
Setup and 10 Mailings	\$60
Education Job Opportunities Newsletter	\$40/year
Research Account Fee	\$20
Science Lab	\$75/class
Service Charge for Payment Plans (15-week sessions)	\$75
Transcript of Records	\$5/copy

## Payment Plans

Tuition, room, board, and fees are due and payable at registration. For the convenience of students and parents wishing to pay their college expenses in installments, a deferred payment plan is offered by the university to those whose accounts are paid promptly.

### Institutional Monthly Payment Plan

A 25 percent down payment is due by August 1 for fall and December 1 for spring. A \$75 service charge will be placed on the student's account for choosing this option. The remaining balance is due in three equal monthly payments:

Fall:	September 10, October 10, November 10
Spring:	February 10, March 10, April 10

Students who have loans covering all their expenses (tuition, room, board, and fees) will be charged \$75 if all loan documents, tax forms, and signatures are not completed by August 1st.

(Visa, MasterCard, Discover, and College Card are accepted.)

### Payment Plan Exceptions

Any exception to stated policy must be requested in writing (using a General Petition form obtained upon request from the Office of Student Financial Services) and approved by the director of student financial services.

## Refund Policy

### For Students Withdrawing from the 15-Week Semester

In the event a student withdraws from all units, refunds will be made as follows:

Tuition (excluding fees)	
1-2 week(s)	90%
3-4 weeks	50%
5-7 weeks	25%
After eighth week of classes	0%

Fees are not refundable.

First time students are subject to federal pro rata refund regulations if they have federal aid. Examples of federal pro rata refund calculations are available in the Office of Student Financial Services.

### Refund Policy Exemptions

Any exemption to stated policy must be requested in writing (using a General Petition form obtained upon request from the Office of Student Financial Services) and approved by the director of student financial services. Students receiving federal aid are subject to federal refund policies. Examples of federal refund calculations are available in the Office of Student Financial Services.

### Summer and Special Terms

Refund policies for other terms or special programs will be outlined in the appropriate printed material.

### Other Refunds

The room fee is only refundable based on the conditions set forth in the housing contract. The board fee may only be prorated in accordance with the add/drop deadline. Meal plan changes will not be approved after the add/drop deadline.

Any student dismissed by the university will receive refunds at the administration's discretion. If parents or students feel that individual circumstances warrant exceptions, they may submit a written petition to the director of student financial services.

### Students Making Class Changes

Students may add and drop classes until the last day to change registration. This date is listed on the academic calendar.

Students may withdraw from a class or classes after that date, but they will receive no financial adjustments. (See “Withdrawal from Courses,” p. 45.)

### Financial Agreement

A student may not participate in graduation ceremonies, register for further sessions, or receive any diploma, grades, certificates, transcripts, or letters of recommendation until all financial obligations (including NDSL/Perkins Loan) have been satisfied in accordance with APU financial policies. Any diploma, grades, certificates, transcripts, or letters of recommendation shall be retained by the university as a security interest until all such obligations are satisfied. Release of any such security interest prior to, or subsequent to, any default by the debtors shall not be considered a binding precedent or modification of this policy.

*The university reserves the right to make any changes in institutional refund policies, fees, and expenses without notice.*

### Student Employment

The Office of Student Employment is a referral service for APU students. Student employment is a vital part of college life. It is estimated that nearly 60 percent of all Azusa Pacific students work as a partial means of meeting college costs.

Students may apply to work on or off campus. If eligible, they may obtain work through the Federal Work Study program. (See p. 33.) No job is guaranteed; students are responsible for securing their own jobs. Job availability is dependent on a good match between the employer’s needs and the student’s schedule and qualifications.

Having at least two consecutive hours of available time is usually required.

### Financial Aid Application

#### To Apply for Financial Assistance

A Free Application for Federal Student Aid (FAFSA) form must be completed and sent to the address on the application. The FAFSA may be obtained at a secondary school or a college financial aid office. In addition, an Institutional Aid Application (IAA) must be completed and returned to the Office of Student Financial Services. APU’s Title 4 code is: 001117 for the FAFSA form.

From an analysis of these confidential forms, the amount of parental and student income and assets that can be applied toward university costs is determined. The application will be considered for financial aid as soon as the student has been granted admission to the university.

#### FAFSA Waiver

In some cases, a FAFSA may be waived. The student may submit an Institutional Aid Application only if a student wants to waive the right to apply for and receive all federal and/or state assistance (including loans).

#### Application Priority Date

Students who submit the FAFSA and IAA, and are accepted to the university on or before **March 2** will have priority over those who apply after that date. However, students having applied after **March 2** may still receive financial aid if funds are available. New students must apply for admission to the university by **July 1**, and submit a FAFSA and Institutional Aid Application by **July 1**, to be eligible to receive any institutional aid. Returning students must submit a FAFSA and IAA by **July 1** to be eligible for institutional scholarships. It is advisable to submit a FAFSA as early as possible. The earliest a FAFSA may be submitted is **January 1**, prior to enrollment

at the university. Financial aid priority deadline is **March 2**.

### Financial Aid Policies

#### Satisfactory Progress

Students who wish to receive financial assistance must be in good academic standing and make satisfactory academic progress in their degree or certificate program in addition to meeting other eligibility criteria.

#### A. Quality of Progress — “Good Academic Standing”

- Students requesting aid must maintain a minimum cumulative 2.0 grade-point average.
- Grade-point averages are reviewed at the end of each semester.
- Students who fail to maintain the minimum grade-point average will be given one semester of “Aid Probation” in which they must earn the above listed cumulative grade-point average, or they will be suspended from the aid programs.
- Freshmen entering with less than a 2.0 grade-point average will be given one semester of “Aid Probation” and must achieve a 2.0 grade-point average to continue receiving aid.
- Transfer students entering with less than a 2.0 grade-point average will not be eligible for aid until a 2.0 cumulative grade-point average is attained.

#### B. Quantity of Progress — “Unit Completion Requirement”

- Students requesting aid must make progress towards their degrees as follows:  
Full time: 12 units/semester  
3/4 time: 9 units/semester  
1/2 time: 6 units/semester
- Unit completion is reviewed at the end of each semester.
- The following grades are considered to demonstrate satisfactory course com-

pletion: *A, B, C, D, and Pass*. These grades do not demonstrate course completion: *F, In-Progress, Incomplete, No Pass, and Withdrawal*.

- Repeated courses for which a satisfactory grade has been given may only be counted once for the purpose of academic progress.
- Remedial course work may be considered if it is specifically prescribed by the student’s academic advisor.
- Students failing to complete the required number of units per semester will be given one semester of “Aid Probation” in which they must complete the deficit units or they will be suspended from all aid programs. Students may petition their satisfactory progress status by submitting an APU General Petition form to the Office of Student Financial Services.

#### C. Quantity of Progress — “Maximum Time Frame”

- Students requesting aid are expected to complete their academic program within a reasonable time frame (including transfer units) as follows:
  - Students may not attempt more than 189 units prior to completing their undergraduate degree.
  - Students may petition for extended time by submitting a General Petition form to the Office of Student Financial Services.

### Financial Aid Packaging

Azusa Pacific University offers financial aid in the form of employment, loans, grants, and scholarships. In order to serve the large number of students needing financial assistance, the university coordinates various elements of each student’s financial aid program. This “packaging” approach may include assistance from two or more sources of financial aid. The university’s goal is to award all applicants the maximum scholarship, grant, loan, and work

study for which they qualify, given restrictions in availability of funds, institutional policies, and state and federal guidelines.

#### **Minimum Enrollment**

All Azusa Pacific aid is given on the basis of a minimum academic load of 12 units per semester. Should a student drop below the 12 units required, he or she should notify the Office of Student Financial Services immediately, and the institutional aid will be prorated. If a student is taking the last units required for graduation and is only part time, institutional aid will be prorated.

#### **Stacking Institutional Aid Offers**

Students receiving international scholarships are not eligible for stacking any other institutional scholarships nor are students who receive Financial Needs Grants.

#### **Equitable Treatment**

The university shall provide fair and equitable treatment in the awarding of financial aid. In addition, there shall be no discrimination of any kind. Appeal procedures exist for anyone who feels that a violation of the above has occurred. Contact the director of student financial services for further information.

#### **Release of Records**

It is understood that in applying for financial aid, the student grants the Office of Student Financial Services the right to release the student's grades and enrollment records to scholarship, state, federal, and loan agencies as needed.

#### **Keeping in Touch**

The university will attempt to inform students about deadlines and procedures, but the final responsibility for the timely filing of the FAFSA and related documents is the student's.

The student must notify the Office of Student Financial Services regarding changes in financial situation, marriage, loss

of a job, change in class load, withdrawal from school, or change of address. Write, call, or come in and speak to someone in the Office of Student Financial Services.

#### **Outside Aid Resources**

All students are required to report, in their application for aid, ALL resources known or expected to be available to them during the period for which they seek financial assistance. These resources include, but are not limited to: veterans' benefits, scholarships, fellowships, stipends, unemployment earnings (including spouse's, where applicable), and tuition reimbursement. Failure to report these resources can result in delays in receiving aid funds for which the student may be eligible, cancellation of the award, or even the return of funds already received.

Should any new resources become available, the student is required to report this fact. Withholding or concealing information about these resources may constitute fraud, as the student would be receiving financial aid to which he or she is not entitled.

#### **Overawards**

Each year a number of financial aid recipients are distressed to learn that their aid package is being reduced due to an overaward. As required, students must inform the Office of Student Financial Services of any outside aid awards or changes in their class load. This will save the frustration and inconvenience that may result from an overaward.

*All institutional aid is subject to coordination with federal, state, and all other aid sources.*

*All institutional aid is subject to the policies printed in the Azusa Pacific University Student Financial Services Handbook, catalog, and other printed material.*

*Availability of all aid is subject to federal, state, institutional, and private funding.*

## **Types of Financial Assistance**

### **Federal Aid**

Any student who wishes to apply for federal programs must be either a U.S. citizen, permanent resident, or an eligible noncitizen.

### **Federal Pell Grant**

The Pell Grant Program provides grants from the government to both full- and part-time undergraduate students. The amount of the grant is based on need. After the student submits the FAFSA, a Student Aid Report (SAR) will be received from the government and must be reviewed for accuracy. If any corrections are necessary, the student should submit the SAR to the Office of Student Financial Services, along with other required paperwork immediately.

### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

FSEOG is a Title IV, need-based grant that awards up to \$2,000. FSEOG funds are limited and must be awarded to the neediest students as determined by the FAFSA. Early submission of a FAFSA is recommended.

### **Federal Work Study (FWS)**

FWS enables students to earn part of their financial aid award through employment. Federal regulations allow the university to offer qualified students a certain amount of college work study earnings. **THIS MONEY IS NOT GIFT AID, BUT IS AN OPPORTUNITY FOR STUDENTS TO WORK AND HAVE PART OF THEIR SALARY PAID BY THE FEDERAL GOVERNMENT.**

Any student participating in the FWS program will be paid directly through the on-campus student payroll. Base rate pay on campus is minimum wage. Individual earnings are not credited to the student's account, but paid directly to the student. FWS earnings are taxable.

### **Federal Perkins Loan**

The U.S. government makes funds available to qualified and promising young people of limited means who wish to go to college. These are long-term loans at a five percent rate of interest. A student may borrow up to \$3,000 per year. Repayment will not be required nor will interest begin to accrue until nine months after the student has ceased enrollment. Deferment provisions for public service are available. Up to 10 years are allowed for repayment, with minimum monthly payments of \$40. Eligibility is determined by the FAFSA and availability of funds. Perkins funds are limited and must be awarded to the neediest students as determined by the FAFSA. Early submission of a FAFSA is recommended.

### **Federal Stafford Loan**

A loan program for students is available through many banks and credit unions from which undergraduate first-year students may borrow up to \$2,625 annually, sophomores (with 28-59 units completed) up to \$3,500, and juniors and seniors (with 60 or more units completed) up to \$5,500 annually. Students must demonstrate need (through completion of a FAFSA form) in order to receive a subsidized Federal Stafford Loan. No interest is charged while the student attends school. The interest rate is variable for new borrowers whose loans originate after October 1, 1992, but will never be higher than nine percent; there is a fixed rate for borrowers with loans originating before October 1, 1992. Repayment begins six months after the student graduates or discontinues schooling, with deferment provisions for public service available. Unsubsidized funds may also be borrowed up to the yearly amount. If the student borrows an unsubsidized loan, the student is responsible for the interest payment while in school. Loan request forms are available in the Office of Student Financial Services and should be completed once the student



receives an award package. The actual loan application will be mailed to the student once the loan has been certified by the Office of Student Financial Services. This application/promissory note should be signed and immediately returned to the servicer. Once the servicer receives the application/promissory note, they will release funds electronically to APU for placement in the student's account.

#### **Federal Parent Loans (PLUS)**

PLUS is an auxiliary loan program authorized by Congress which provides loans at a variable interest rate that caps at nine percent. As with the Federal Stafford Loan, these loans will be made by banks, savings and loan institutions, and credit unions. Unlike the Subsidized Federal Stafford Loan, repayment of this loan and interest must begin in 60 days, unless deferred. PLUS eligible borrowers include parents of dependent undergraduates, with a loan limit of the unmet cost after other aid is subtracted.

Borrowing under either or both the Federal Stafford Loan and PLUS programs may not exceed net educational costs (school educational costs less other financial assistance).

#### **State Aid**

##### **Cal Grant A**

These awards are granted yearly at Azusa Pacific University and other California schools. They are renewable with satisfactory academic progress and financial need. Qualifications will depend on grade-point average (verified by the GPA verification worksheet submitted to CSAC by the Cal Grant deadline), California residency, and financial need as determined by the FAFSA. Awards will differ between institutions—the higher the school costs, the larger the state scholarship. The deadline is **March 2**, prior to entry to the university. However, the closer students apply to **January 1**, the better their chances of being awarded other types of limited grants. See a high school counselor or the APU Office of Student Financial Services for information and forms, or write to the Student Aid Commission, PO Box 942845, Sacramento, CA 94245-0845. APU's USDE Code is 000 111 700.

##### **Cal Grant B**

These grants are designed for those students entering college who come from disadvantaged backgrounds and demonstrate financial need and a desire to succeed in college.

Tuition grants plus subsistence are based on California residency, a questionnaire, and financial need as determined by the FAFSA. They are renewable for four years with satisfactory academic progress and continued financial need. The application deadline is **March 2**, prior to entry. See a high school counselor or the APU Office of Student Financial Services for information and forms, or write to the Student Aid Commission, PO Box 942845, Sacramento, CA 94245-0845. APU's USDE Code is 000 111 700.

#### **Institutional Aid**

All institutional aid is subject to coordination with federal, state, and outside aid sources. Student aid in combination with outside, state, and federal aid cannot exceed the calculated cost of attendance. If grant aid (excluding the Pell grant) exceeds a student's institutional charges, any institutional grant aid will be reduced so as to not exceed a student's total charges. No institutional aid is given until all outside aid has been considered and institutional costs have been met. Institutional aid is limited to undergraduate students only, except for teacher-education discounts.

#### **Trustees' Scholarships**

Trustees' full-tuition scholarships are awarded to five first-time freshmen with 3.9 grade-point average or higher and a minimum score of 1,250 on the SAT, 1,280 on the SAT 1, or 30 on the ACT. The scholarships are renewable for up to four years or upon completion of a bachelor's degree. Recipients must also maintain a 3.75 grade-point average. To apply, students must submit a Trustees' Scholarship application and obtain admittance to the university by **February 1** and be interviewed by the Trustees' Scholarship Committee.

#### **President's Scholarships I and II**

Azusa Pacific University awards scholarships to outstanding high school graduates who have distinguished themselves as the

highest academic achievers in their high school. Students with grade-point averages of 3.75 or higher and a recentered SAT score of 1,200 or above (or its equivalent) receive the President's I Scholarship of \$4,000 per year; students with grade-point averages of 3.75 or higher may receive the President's II Scholarship of \$3,500 per year; if they apply for admission to APU by **July 15** and submit a FAFSA and Institutional Aid Application by **July 1**. These awards may continue for four years if the recipient maintains the qualifying cumulative grade-point average.

#### **Deans' Scholarships I and II**

Deans' I Scholarships are \$3,000; Deans' II Scholarships are available in yearly grants of \$2,500. Students applying must have a cumulative grade-point average of 3.45-3.74, and for the Deans' I Scholarship must receive a recentered SAT score of 1,100 or above (or its equivalent), apply to APU for admission by **July 15**, and submit a FAFSA and Institutional Aid Application by **July 1**. These awards may continue for four years, if the student maintains the qualifying cumulative grade-point average.

#### **Directors' Scholarships**

Directors' Scholarships are given to new and returning students who have a cumulative grade-point average between 3.0-3.44. Award amounts are given in correlation to SAT or ACT scores. Only SAT or ACT scores received while in high school, prior to enrollment at APU, will be accepted.

ACT	SAT	Award Amount
21	950-1,000	\$1,000
22	1,010-1,040	\$1,500
23	1,050-1,080	\$2,000
24	1,090+	\$2,250

#### **Athletic Scholarships**

Athletic scholarships are available to students who qualify to participate in a university athletic program (football, basketball, track, cross country, tennis,

soccer, softball, baseball, and volleyball). Applicants must be interviewed and recommended by one of the university varsity coaches and a FAFSA or Waiver and Institutional Aid Application must be completed and received by the Office of Student Financial Services by **July 1** in order for this award to be processed. Grants may cover up to 100 percent of tuition.

### Music Scholarships

Music scholarships are available to students for participation in a variety of music groups. There are also awards for exceptional musical talent. Amounts range from \$200-\$2,000 per year. Auditions are required with the School of Music and a FAFSA or Waiver and Institutional Aid Application must be completed and received by the Office of Student Financial Services by **July 1**, in order for this award to be processed.

### Drama/Forensics Scholarships

Scholarships are available to students participating in APU's drama or forensics programs. Grants of \$200-\$500 per year are awarded to qualified students who submit a FAFSA or Waiver and Institutional Aid Application to the Office of Student Financial Services by **July 1** and audition with the director of the drama program, or are interviewed and recommended by the director of the forensic program.

### Sibling Scholarships

Sibling scholarships are available to two or more dependent undergraduate siblings attending as full-time students in the same year. Each sibling will receive a \$1,000 award, for up to four years. A FAFSA or waiver and Institutional Aid Application must be completed and received by **July 1** in order to be eligible for this scholarship.

### Christian Worker's Discount for Missionaries', Pastors', and Christian Organization Workers' Dependents

To recognize those working in areas of ministry, discounts are awarded to undergraduate dependents of full-time foreign missionaries up to \$2,000 yearly, church pastors up to \$1,000 yearly, and other church and parachurch workers up to \$500 yearly. The student must complete a FAFSA or Waiver and send it to the processor by **July 1**, as well as submit Institutional Aid and Christian Workers' Discount applications to the Office of Student Financial Services by **July 1**.

### Financial Need Grant

Grants of up to \$2,000 yearly (\$1,000 per semester) are awarded on a year-to-year basis, based on need as determined by the FAFSA, and subject to the availability of funds. Early submission of a FAFSA and Institutional Aid application is essential. *This grant cannot be stacked with other institutional scholarships.*

### Multi-Ethnic Leadership Scholarship

Scholarships are available to incoming students who want to participate in a Multi-Ethnic Leadership (MEL) Program at APU. The MEL Program is designed to expand diversity within the student leadership team at APU. Grants of \$4,000 are awarded to qualified students based on need as determined by the FAFSA. All applications are due by **March 1**.

### Alumni Teacher-Education Discounts

Discounts of 25 percent are given to APU alumni who enroll in teacher-education courses required for a teaching credential. Applications and a list of qualifying classes are available in the School of Education and Behavioral Studies.

### Institutional Aid— Underwriting Organizations

Some organizations contribute funds that are used to underwrite APU institutional aid. Among these foundations and corporations are the following:

- Ahmanson Foundation
- Hugh and Hazel Darling Foundation
- Farmers Insurance Group
- Fuller Foundation
- GenCorp
- Lucile and Horton Howe foundation
- LifeCare Foundation
- George Mayr Foundation
- James Stamps Foundation
- Riverside Community Foundation

### Study Abroad Programs

Azusa Pacific University will award federal financial aid for study abroad programs in which the institution (APU) has entered into a contractual or consortium agreement with another school or organization for the purpose of awarding credit(s) and federal aid for such a program. Students **may be** eligible to receive institutional aid for a study aboard program. Please see the special programs coordinator in the Office of Student Financial Services for more details.

### Outside Aid

#### Church of God Student Aid

The purpose of this fund is to provide financial and moral support to Church of God students. Eligibility is limited to full-time students. Stipends are determined by a Church of God Scholarship Committee on the basis of funds available, financial need, and academic achievement. Awards may be made up to \$200.

### Ebell of Los Angeles Scholarships

Ebell of Los Angeles awards \$2,000 per year to Azusa Pacific University students with grade-point averages of 3.25 or better. Undergraduate students who are Los Angeles County residents, registered voters, and single are qualified applicants. The Ebell Scholarship Committee holds an annual Scholarship Program and Tea in the spring to honor the scholarship students. Both students and parents are invited to attend.

### Mustard Seed Scholarship

The Mustard Seed Scholarship was received as a grant from the Council of Christian Colleges and Universities (CCCU) to provide scholarships to increase the enrollment and graduation rates of traditionally underrepresented populations. Undergraduate students that are African American, Hispanic/Latino Americans, and Native Americans are eligible to apply. Ten students will be selected to receive this scholarship and will be awarded a grant of up to \$3,000.

Students must have financial need, as established by the FAFSA, have a minimum GPA of 2.5, be a current full-time undergraduate student at APU and permanently reside in the San Gabriel Valley. For a list of qualified cities or more details on this scholarship, please contact the Office of Multi-Ethnic Programs. All applications are due by **April 1**.




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## Academic Policies

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## Reservation of Rights

Azusa Pacific University reserves the right to change any of its policies without prior notice, including but not limited to tuition, fees, unit-value per course, course offerings, curricula, grading policies, graduation and degree requirements, and admissions standards and policies. The university further reserves the right to refuse admission to any applicant at the discretion of the dean or the Admissions Committee and to disqualify, discontinue, or exclude any student at the discretion of the dean, faculty, administration, or Ethical Standards Committee.

This catalog supersedes all previous catalogs. The policies expressed in this catalog and each subsequent catalog will be controlling regardless of any policies stated in a previous catalog received by the student upon his or her admission. However, there are exceptions in certain cases regarding course requirements. (See "Requirements for Graduation," p. 50.)

This catalog and each subsequent catalog are supplemented by the rules and regulations stated in the Student Handbook and by appropriately posted bulletin board notices. Where conflict exists between any of these sources, the most recent rule, regulation, or policy will be controlling.

## Academic Integrity

The maintenance of academic integrity and quality education is the responsibility of each student at Azusa Pacific University. Cheating or plagiarism in connection with an academic program is an offense for which a student may be expelled, suspended, or given a less severe disciplinary action. Academic dishonesty is a serious offense which diminishes the quality of scholarship and defrauds those who depend upon the integrity of the educational system.

Academic dishonesty includes:

**Cheating:** Intentionally using or attempting to use unauthorized material, information, or study aids in any academic exercise.

- Students completing any examination should assume that external assistance (e.g., books, notes, calculators, and conversations with others) is prohibited unless specifically authorized by the instructor.
- Students may not allow others to conduct research or prepare work for them without advance authorization from the instructor.
- Substantial portions of the same academic work may not be submitted for credit in more than one course without authorization.

**Fabrication:** Intentional falsification or invention of any information or citation in an academic exercise.

### Facilitating academic dishonesty:

Intentionally or knowingly helping or attempting to help another commit an act of academic dishonesty.

**Plagiarism:** Intentionally or knowingly representing the words, ideas, or work of another as one's own in any academic exercise.

## Course Numbering System

Courses are identified by a departmental abbreviation followed by a three-digit course number. The course will indicate the following: 001-099, remedial (no credit toward any degree); 100-299, lower division; 300-399, upper division; 400-499, upper division or graduate credit; 500-899, graduate courses; and 900-999, continuing education courses.

The departmental abbreviations are as follows:



ACCT	Accounting	LDRS	Leadership Studies
ADP	Accelerated Degree Program	MATH	Mathematics
ART	Art	MCIS	Management and Computer Information Systems
BCLM	Business and Christian Leadership Management	MIS	(Accelerated Degree Program) Management Information Systems
BIOL	Biology	MISS	Management Information Systems (Accelerated Degree Program)
BLNG	Biblical Languages	MKTG	Marketing
BMGT	Business Management (Accelerated Degree Program)	MUS	Music
BUSI	Business and Management	PE	Physical Education
CHEM	Chemistry	PEAT	Athletic Training
CISS	Computer Information Systems (Accelerated Degree Program)	PHIL	Philosophy
CMIN	Christian Ministries	PHYC	Physics
COMM	Communication Studies	POLI	Political Science
CS	Computer Science	PSYC	Psychology
CSA	College Student Affairs	REC	Recreation
EDUC	Education	SOC	Sociology
ENGL	English	SOCW	Social Work
FREN	French	SPAN	Spanish
GERM	German	TEP	Teacher Education Program
GLBL	Global Studies	THEO	Theology
HDEV	Human Development (Accelerated Degree Program)	UBBL	Biblical Studies
HIST	History	UNRS	Nursing

## Academic Calendar

The academic year is divided into fall and spring semesters followed by two six-week summer sessions. Each year, the university publishes a special bulletin containing information about course offerings, tuition fees, and other details pertinent to these terms of study.

## Late Registration

Students who are unable to register during the regular registration period may register late. Late registrants may be severely limited in arranging their programs because many classes may be closed. A \$100 late registration fee will be charged. The last day to register each semester is announced in the Class Schedule and the Academic Calendar. Late admission (after the first day of class) into a language course is dependent upon the instructor's approval.

## Credit Hours

Semester credit is generally determined on the basis of the Carnegie System, which awards one unit of credit for each 50-to-55-minute class session per week. However, the nature of the course will determine the number of class contact hours. Emphasis will be given to achieving course objectives.

## Study Load

The maximum study load recommended by the university is 17 units per semester. However, upon approval of the registrar, a student may take additional units above the maximum study load. Approval for additional units is usually given only to students with a 3.45 grade-point average or higher who have completed 28 units.

## Concurrent Enrollment Policy

Students wishing to take courses at another institution while enrolled at APU should obtain prior approval from the registrar. Without written prior approval from the registrar, transfer credits may be denied.

## Auditing

A student may apply to the instructor for permission to audit a class. The student must meet university entrance requirements and pay the audit fee, which is one-half the regular course fee. A student may not change from an audit classification to obtain credit after the last date to change the registration, nor change from credit to audit after the sixth week of instruction.

## Grading

Grades are based on daily work, classroom projects, and examinations. Scholarship is ranked as follows: *A*, exceptional; *B*, superior; *C*, average; *D*, poor; *F*, failure; *I*, incomplete; and *W*, withdrawal. For each credit in which the student is enrolled, points are awarded according to the grade earned as follows:

Grade A	4.0 points
Grade A-	3.7 points
Grade B+	3.3 points
Grade B	3.0 points
Grade B-	2.7 points
Grade C+	2.3 points
Grade C	2.0 points
Grade C-	1.7 points
Grade D+	1.3 points
Grade D	1.0 point
Grade D-	0.7 points
Grade F	0 points
Grade W	0 points

## Incomplete Grades

The grade "incomplete" (*I*) is given only under special circumstances. An incomplete grade may be given upon recommendation of the professor with the permission of the appropriate academic dean. To obtain an incomplete, the student must fill out the official incomplete form available from the Office of the Registrar. An incomplete may be granted for up to 12 weeks from date of issue. Petition for extension beyond the 12 weeks will be subject to review by the

faculty member and the appropriate academic dean. An incomplete submitted without the incomplete form or not made up within the allotted period, will automatically become an *F*.

## Attendance Regulation

Class attendance is of paramount importance, and excessive absences will affect the final grade. The individual instructor defines for the student the grading and attendance policies for each class in the course instruction plan.

## Repeated Courses

Students may repeat courses at Azusa Pacific in which a grade of *D* or *F* was received. Both grades will remain on record, but only the most recent grade will be calculated into the student's grade-point average. The units will be counted only once. Students may not repeat a course in which they have earned a grade of *D* or *F* more than twice.

## Examinations

Final examinations are required in all courses. No final examination shall be given to individual students before the regularly scheduled time. No exception can be made to this rule without the written approval of the instructor, the department chair, and the appropriate academic dean.

## Normal Progress Toward a Degree

The minimum number of credits for a bachelor's degree is 126. Twelve (12) units per semester constitute a minimum full-time load. Successful completion of 12 units will be considered normal progress toward a degree. However, the student should be aware that to complete a bachelor's degree in four years, an average of 16 units per semester is needed.

## Classification of Students

A full-time student may be defined as one taking a minimum academic load of 12

units. The following system for classifying students is used by the university:

Freshman		
0-27 units		54 grade points
Sophomore		
28 units		56 grade points
Junior		
60 units		120 grade points
Senior		
90 units		180 grade points

Senior classification does not ensure graduation. All requirements for a degree must be satisfactorily met.

Freshmen and sophomores have lower-division standing. Juniors and seniors have upper-division standing.

Unclassified students are those admitted to the university program on a provisional basis and/or those who are not registered in a degree credit program. Each student will receive special attention.

## Graduate Courses Taken by Undergraduate Students

An undergraduate student may enroll in a graduate course only if:

- The student is a senior.
- The department chair of the student's major approves.
- The request is submitted with the form provided by the Office of the Registrar.

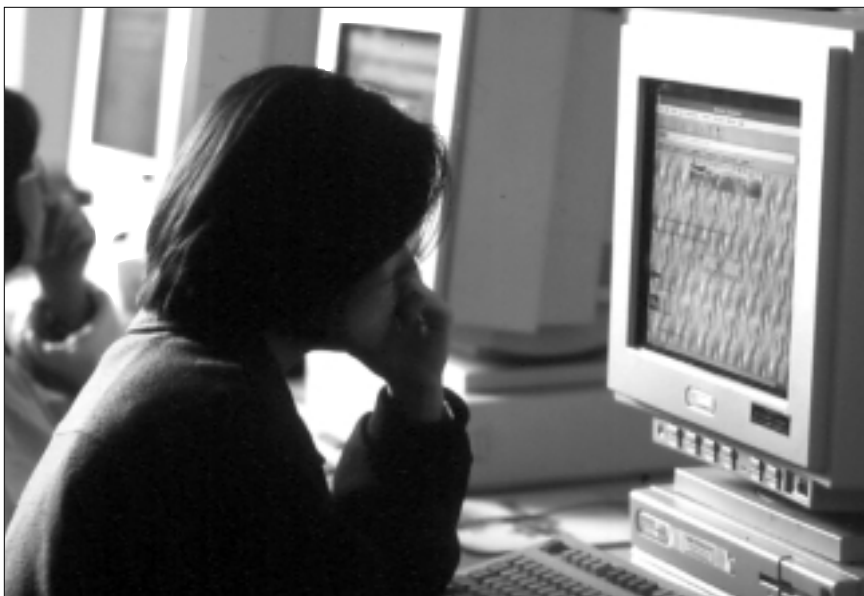
Graduate courses taken by an undergraduate student may not apply toward the graduate degree unless the grade received in the graduate course is a 3.0 or higher.

No more than eight units earned as an undergraduate student may be counted toward a graduate degree.

## Academic Probation and Academic Dismissal

Students will be placed on academic probation for one of two reasons:





1. Students who do not maintain a cumulative 2.0 grade-point average in all course work at APU will be placed on academic probation.
2. Students whose semester grade-point average falls below 2.0 for two consecutive semesters at APU will be placed on academic probation.

Students placed on academic probation will not be allowed to register for more than 12 units the following term. Students on academic probation who do not attain a 2.0 grade-point average during the probationary term will be dismissed for a semester or more.

### Reapplication after Academic Dismissal

A student who has been dismissed for academic reasons may petition to return to APU for the following semester through the Office of Academic Advising Services. The petition must state:

1. Intentions to maintain acceptable academic standing

### 2. Rationale for probable success

If the petition to return is approved, the probationary status will be monitored regularly thereafter by the Office of Academic Advising Services to ensure that the student is making satisfactory progress in remedying grade deficiencies. Failure to maintain a 2.0 grade-point average at this point will result in permanent disqualification from further study at APU.

A student who has been dismissed and did not petition to return for the following semester, would apply through the Office of Undergraduate Admissions (or International Student Services if the student is an international student) for readmission to continue at APU in the future.

### Independent Study

An undergraduate upper-division student, who has a minimum cumulative GPA of 2.5, may receive credit for a maximum of nine Independent Study units to be applied to a degree program. No more than four units may be applied toward

one project, except in the case of a course tutorial. A maximum of nine Independent Study units may be taken during one academic term.

To request an Independent Study course for any given semester, the student should begin planning the study during advising and must submit a completed Independent Study Course Application to the Office of the Registrar by the last day to add/drop a course (see academic calendar in class schedules for the specific date).

The application must include:

- Completed Independent Study Course Application form
- A proposal written in consultation with the supervising or mentoring instructor
- Signed approval of the instructor, department chair, and dean of the appropriate school or college

The Independent Study Application is subject to the review of the assistant provost and the Education Council.

The student pays an additional fee of \$100/unit for Independent Study courses. She or he may apply for a scholarship to cover the fee for "Directed Research" or a "Thesis/Project." For information, the student should see the dean of the respective school or college.

The faculty instructor who covenants to participate in undergraduate independent study will receive \$100/unit, and will still be paid, even if the student withdraws after the fees have been collected.

### Withdrawal from Courses

A student may withdraw from class without grade penalty at any time during the first 10 weeks of the semester, starting with the first day of classes. The student must secure the appropriate form from the Office of the Registrar and obtain a signature of approval from the professor. The

student will receive a W (withdrawal) grade in that course. A student who never attends or stops attending a course for which he or she is officially registered without following the accepted procedures will receive an F grade in that course. A student who wishes to initiate withdrawal after the deadline may do so by filing a special petition using the Academic Petition form available in the Office of the Registrar. Professor approval for withdrawal after the deadline will be granted only in extreme cases where extenuating circumstances are evident and can be substantiated. Petitions must be signed by the professor of the course in question and the department chair prior to submission to the registrar. No financial adjustments are made. (See "Refund Policy" under Financial Information, p. 29.)

### Withdrawal from the University

A student who, for any reason, finds it necessary to withdraw from the university during the course of the semester must do so through the Offices of Community and the Registrar. The student must complete the exit interview process and the Class Withdrawal form. Failure to comply with these regulations will mean that failing grades will be entered on the student's record and dismissal will be recorded as dishonorable. (See "Refund Policy" under Financial Information, p. 29.)

### Withdrawal from University After Disciplinary Action

In matters of disciplinary action resulting in suspension or dismissal from the university, a written statement will be sent from the dean of students informing the student of the action. The dean of students will also notify the Office of the Registrar regarding the student's status and authorize proper withdrawal from classes. Dismissed students will not receive tuition refunds except by administrative action.

### Honorable Dismissal

In order to qualify for an honorable dismissal, the student must be free from financial obligations to the university and disciplinary action, and have participated in the exit interview process. Academic disqualification does not constitute dishonorable dismissal.

### Student Records Policy

The Family Educational Rights and Privacy Act of 1974, better known as the Buckley Amendment or FERPA, provides that students shall have the right of access to their educational records; and educational institutions shall not release educational records to nonschool employees without consent of the student. "Students" as used in this notice includes former students.

### Release of Transcripts

Transcripts of Azusa Pacific University course work are available approximately four weeks after the completion of courses. Requests can be made in writing and should include the following information: location of classes taken, the last semester attended, where the transcript is to be sent, date of graduation (if applicable), Social Security number, and personal signature. The fee is \$5 per copy. An Azusa Pacific University Transcript Request form is available for student convenience. Transcripts, diplomas, and/or verifications of degrees will not be released until all financial obligations to the university are met.

### Right of Access

With a few exceptions provided by law, students at Azusa Pacific University may see any of their educational records upon request. In general, access will be granted immediately upon request to the record custodian, but if delay is necessary, access must be granted no later than 45 days after request. Students further have the right, under established procedures, to challenge the factual accuracy of the records and

to enter their viewpoints in the records. Students may waive their right of access to recommendations and evaluations in the cases of admissions, application for employment, and nomination for awards. Azusa Pacific University may not require students to sign a waiver of their right of access to their records, but students should be aware that recommendations and evaluations may not be very helpful or candid without a signed waiver.

### Disclosure of Student Records

With certain exceptions provided by law, Azusa Pacific University cannot release information concerning students to prospective employers, government agencies, credit bureaus, etc., without the written consent of the student. Students and alumni applying for jobs, credit, graduate school, etc., can expedite their applications by providing the university with written permission to release specific records and to which parties the releases should be made.

The student's written consent is not required for the disclosure of grades, disciplinary action, or other information to parents of students who are dependents for federal income tax purposes. Unless a student has submitted credible evidence of nondependency, parents requesting information may generally be granted access upon submission to the university of an affidavit or other evidence of federal income dependency.

The university has designated the following categories as directory information, which may, at the university's discretion, be released to the public without consent of the student: student's name and maiden name, address, telephone number, date and place of birth, major field of study and courses taken, participation in officially recognized activities and sports, weight and height (of members of athletic teams), dates

of attendance, degrees and awards received, all previous educational agencies or institutions attended, current class schedule, employer, church membership, photographs, and parents' names, addresses, and telephone listings.

It is the general policy of the university not to release directory information regarding its students unless, in the judgment of the appropriate record custodian or other officials with record access, such release either serves a legitimate educational purpose or is not adverse to the interests and privacy of the student. However, the student may request that certain categories of directory information not be released to the public without his/her written consent. Such requests shall be submitted in accordance with the student records policy of the university.

This notice is not intended to fully explain students' rights under FERPA. The Office of the Registrar maintains copies of the official Azusa Pacific University Student Records Policy, which contains detailed information and procedures with regard to these rights. Students may obtain a copy of that written policy upon request to the Office of the Registrar, Azusa Pacific University, 901 E. Alosta Ave., PO Box 7000, Azusa, CA 91702-7000. Any student alleging failure of the university to comply with FERPA may file a complaint with the Family Education Rights and Privacy Act Office (FERPA), United States Department of Education, 4511 Switzer Building, 330 C St. SW, Washington, DC 20201.



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## Degree Programs

The Bachelor of Arts degree is offered with majors in art, biblical studies, biochemistry, biology, business administration, chemistry, Christian ministries, communication, English, history, global studies, liberal studies, natural science, mathematics, math/physics, music, philosophy, physical education, political science, psychology, social science, sociology, Spanish, and theology.

The Bachelor of Science degree is offered with majors in applied health, biochemistry, biology, business administration (accounting, international business, or management information systems), chemistry, computer science, management information systems, marketing, mathematics, physics, and nursing.

The Bachelor of Social Work (BSW) degree is offered to social work majors.

## Guidelines for the Double Major

Normally a student meets graduation requirements for a degree in one of the major departments. However, it is permissible for a student to be granted a degree with two majors if all requirements of both major curricula are met at the same time. If the student has completed the requirements for both a major leading to a B.A. and a major leading to a B.S., he/she will be required to distinguish only one as the degree to be conferred. Both majors will be listed on the diploma and transcript. Those completing a double major should follow the guidelines listed in item four below.

## Guidelines for Additional Degrees

Azusa Pacific University will award two Bachelor of Arts degrees, two Bachelor of Science degrees, or a Bachelor of Arts and a Bachelor of Science degree under the following conditions:

1. The two degrees may not be earned from Azusa Pacific University in the same academic year.
2. Candidates for additional degrees must follow the general policy of completing the senior year in residency at APU (15 of the final 24 units must be completed at APU).
3. General education requirements earned for one degree may be applied toward the second degree; any deficiencies in general education (for example, between Bachelor of Arts and Bachelor of Science degree) must be completed.
4. Students must complete all the required courses listed in the catalog for the second degree. Twenty-four units must be unique to the second degree and completed after the first degree is posted. Not more than six upper-division courses may be common to both degrees (excluding general studies requirements). A minimum of 18 of the 24 units unique to the second degree must be upper division.

The registrar shall be the arbiter when questions of interpretation arise concerning courses from other colleges and universities, lower-division transfer requirements, major requirements, and other questions involving additional degrees.

## Requirements for Graduation

The minimum unit requirement for the B.A. or B.S. degree is 126 (some majors require that more than the minimum number of units be completed). Units for MATH 001, MATH 090, and ENGL 099 do not count toward the 126 units required for graduation. All students must earn a minimum cumulative grade-point average of 2.0 in all university work attempted. Transfer students must also earn a minimum cumulative grade-point average of 2.0 in work completed at Azusa Pacific University. Some departments/schools also have a minimum cumulative grade-point average for major courses.

## Security Interest in Student Records

A student may neither graduate nor receive any diploma, grades, certificates, transcripts, or letters of recommendation until all financial obligations (including student loans wherein collections are administered by the university) have been satisfied in accordance with policies described under "Financial Information." Any diploma, certificates, grades, transcripts, or letters of recommendation shall be retained by the university as a security interest until all such obligations are satisfied. Release of any such security interest prior to or subsequent to any default by the debtor shall not be considered a binding precedent or modification of this policy.

## Residence

A minimum of 30 semester units must be earned at Azusa Pacific University, including at least 15 upper-division units in the major field. At least half of these 30 units must be completed within the last 24 units counted toward the degree. Credit by examination may not be used to fulfill the 30-unit minimum requirement.

## Student Ministry

All candidates for graduation must have satisfactorily completed 120 hours of student ministry assignments. This requirement is prorated for transfer students. Fifteen hours will be fulfilled through CMIN 108 Foundations of Ministry.

## Application for Graduation— Intent to Graduate

Graduation is not automatic upon completion of all course work. Students who intend to graduate must complete an Intent to Graduate form and file it with the Office of the Registrar at least 90 days prior to commencement. The commencement dates are listed in the class schedule.

A degree is granted based on the completion of all requirements.

## Selection of Catalog for Determining Degree Requirements

An undergraduate student remaining in attendance in regular session at Azusa Pacific University may elect to meet the graduation requirements in effect at Azusa Pacific University either at the time the student began attending (catalog at first registration) or the requirements outlined at the year of graduation (current catalog). Substitutions for discontinued courses may be authorized or required by the major department or appropriate school.

"In attendance" is defined as being enrolled in at least 12 units for one semester within a 12-month period. Absence due to educational leave, approved in writing, shall not be considered an interruption in attendance if such absence is for the duration of two years or less. When a student declares a major or subsequently changes majors, the academic requirements applied will be determined as of the declaration date or subsequent change.

## Commencement

Undergraduate commencement exercises are held at the end of the fall and spring semesters, and second summer term.

The university president, by the authority of the trustees and on recommendation of the faculty, awards the degrees.

Details regarding the exercises are mailed to prospective participants four to six weeks prior to commencement.

## Participation in Commencement

A student may participate in commencement exercises only if the degree work has been completed or is in process concurrently at another institution, and will be completed in the graduating term. Concurrent enrollment is limited to 17 units, with a maximum of 7 units being completed at another institution. (The student must receive prior approval from the Office of the Registrar

for concurrent enrollment, including correspondence courses.) Correspondence courses must be completed prior to the day of commencement.

In order to participate in the commencement exercises, all financial obligations to the university must be met.

## Honors at Commencement

### Academic Honors

Qualifying students may graduate with the following honors: summa cum laude, magna cum laude, or cum laude. Criteria for these honors are based upon earning 40 units at Azusa Pacific University, grade-point average, and recommendation by the faculty as to attitude and character.

### Who's Who Among Students in American Universities and Colleges

Each year, a committee nominates deserving students for listing in the national publication *Who's Who Among Students in American Universities and Colleges*. This distinction is awarded on the basis of scholarship, leadership, and potential for future success.

## Honor Societies

### Alpha Chi

Alpha Chi is a general coeducational honor society that encourages sound scholarship and devotion to truth. Outstanding scholarship is the primary requisite for membership, but good character and reputation are considerations. Active membership is restricted to not more than the top-ranking 10 percent of the junior and senior classes.

### Alpha Kappa Psi

Founded in 1904, Alpha Kappa Psi is the oldest and most prestigious professional business fraternity. It is an international, coeducational organization whose honorary membership is characterized by the fraternal Greek system. The local chapter, Omicron Pi, completed colonization and received its charter on April 13, 1997.

### Lambda Pi Eta

Lambda Pi Eta is the official honor society of the National Communication Association and a member of the prestigious Association of College Honor Societies. Each member must maintain an exceptional grade-point average, be included in the top 35 percent of their graduation class, and display a commitment to the field of communication. The organization promotes outstanding scholastic achievement in communication studies and explores professional options.

### Phi Alpha Social Work Honor Society

Eta Iota is the local chapter name of the National Phi Alpha Social Work Honor Society. The purpose of Phi Alpha is to provide a closer bond among social work students and promote humanitarian goals and ideals. Phi Alpha fosters high academic standards for social work students and invites into membership those who have attained excellence in scholarship and service. To qualify for membership, a candidate must:

- Be a declared social work major.
- Have senior status.
- Have at least 90 semester hours of general and department course work.
- Exhibit both personal and professional integrity.
- Possess a minimum grade-point average of 3.6.

### Pi Lambda Theta

Pi Lambda Theta, founded in 1910, is an international honor society in education, whose mission is to promote academic excellence and provide leadership for the profession.

### Sigma Tau Delta International English Honor Society

Alpha Epsilon Tau is the local chapter of Sigma Tau Delta International English Honor Society. The society exists to:

- Confer distinction for high achievement in English language and literature in undergraduate, graduate, and professional studies.
- Promote interest in literature and the English language on local campuses and in their surrounding communities.
- Foster the discipline of English in all its aspects, including creative and critical writing.

To qualify for membership, the candidate must have completed three semesters of college work with a 3.0 grade-point average in English courses and be in the top 35 percent of the class in scholarship.

### Sigma Theta Tau International Honor Society in Nursing

Sigma Theta Tau, the only honor society of nursing in the world, is committed to fostering excellence, scholarship and leadership in nursing to improve health care worldwide.

Students in baccalaureate nursing programs qualify for membership after having completed 1/2 of the nursing curriculum, ranking in the upper 35 percent of their graduating class, and achieving a minimum grade-point average of 3.0 (on a 4.0 scale).

All potential applicants must meet the expectation of academic integrity, and obtain at least two endorsements for membership.

## Degree Posting Dates

The university posts bachelor's degrees three times each year, regardless of the specific date when all work is completed. All degree requirements must be met prior to the posting date. The three posting dates are the end of the regular fall semester (approximately December 15), the end of the regular spring semester (approximately May 5), and the end of the summer sessions (approximately July 31). By petition, completed degrees may be posted on the 15<sup>th</sup> of months other than those listed above in this section.

## General Studies Program

Each student graduating from APU completes 58-66 (average of 64) units of general studies courses. The number of units is determined by whether a student is a freshman or transfer student and what year the student began course work at APU.

Students seeking to transfer course work from other colleges and universities need to verify with the registrar that those courses will be accepted for general studies credit.

## General Studies Requirements

All students entering APU are required to complete the following General Studies Program. The courses meet requirements for six Integrative Core categories and the Skills and University Requirements category. Both core (required) and elective courses will appear under the Integrative Core categories.

The following information outlines the particular courses to be completed, including requirements during the junior and senior years at Azusa Pacific.

All courses approved to satisfy general studies requirements will be identified in the class schedule and included on the list of approved general studies courses in the Office of the Registrar. Additional courses may be approved in the future. General studies requirements are spread over the four or more years the student takes to complete the undergraduate degree. The policy for transferring credits to meet general studies requirements is available in the Office of the Registrar.

## Four-Year General Studies Plan

Skills and University Requirements		
COMM 111	Public Communication	3
CSA 101	Beginnings (required first semester for freshmen)	1

ENGL 110	Freshman Writing Seminar (required first semester)	3
PE XXX	Fitness for Life or Varsity Sport*	1
PE 240	Health Education*	2
Foreign Language**		8
Upper-Division Writing Intensive Course (may be from major or Integrative Core)		3

Computational skills (math test required, unless waived by 550 math SAT score or 570+ SAT I score) are required. A writing placement test is also required, unless waived by a 500+ verbal SAT, 580+ verbal SAT I score or an ACT 25 score. Reading proficiency testing is required of entering freshmen with a verbal SAT I score below 480, or an English ACT score of below 20.

\*Taken concurrently.

\*\*May be waived depending on prior education. Beginning Fall 2001, foreign language proficiency for entering students will no longer be validated by high school coursework.

#### Integrative Core Requirements: Six Categories

Aesthetics and the Creative Arts	3
Heritage and Institutions	6
Identity and Relationships	3
Language and Literature	3
Nature (lab required)	4
God's Word and the Christian Response	18

#### Electives

At least 6-8 units must be selected from approved Integrative Core general studies courses. See advisor for details.

To satisfy these general studies requirements, each student must include at least six upper-division general studies courses (18 units or more).

**TOTAL** **64 units**

#### Approved Courses

##### General Information About Approved Course Listing

Courses are identified as having core or elective status. Students may take elective courses

prior to or after core courses. A list of courses approved for general studies credit is available in the Office of the Registrar and Office of Academic Advising Services.

### Skills and University Requirements

All new freshmen and transfer students with fewer than 28 units are required to take proficiency testing in reading (waived with a verbal SAT I score of 480+); writing (waived by a 500+ verbal SAT score, 580+ verbal SAT I score, or an ACT 25 score); and math (waived by a math SAT score of 550 or a 570+ SAT I score).

Students who score below the minimum proficiency on the reading test will be required to take ENGL 099 during their first semester at APU.

CSA 101	Beginnings (required first semester)	1
ENGL 110	Freshman Writing Seminar* (required first semester)	3
*The writing proficiency test will determine placement in ENGL 100 or ENGL 110.		
Foreign Language*		8
Choose from:		
SPAN 101/102	Spanish	4,4
FREN 101/102	French	4,4
GERM 101/102	German	4,4
CHIN 101/102	Chinese	4,4
JAPA 101/102	Japanese	4,4
BLNG 204/205	Greek	4,4
BLNG 424/434	Hebrew	4,4

COMM 111	Public Communication	3
MATH 110	College Algebra** — or —	3
MATH 115	Analytical Inquiry**	3

\*May be waived depending on prior education. Beginning Fall 2001, foreign language proficiency for entering students will no longer be validated by high school coursework.

\*\*The math proficiency test score will determine placement in appropriate class(es).

PE XXX	Fitness for Life or Varsity Sport (take with Health Education)	1
PE 240	Health Education (take with Fitness for Life or Varsity Sport)	2
Upper-Division Writing Intensive Course		3

### Integrative Core Courses

Courses listed are part of the core unless specified as electives. Additional options may be available later.

#### Aesthetics and the Creative Arts

(3 units required for core)

ART 100	Exploring the Visual Arts	3
ART 150	Introduction to Art	3
ART 200	Art and Science Integrations (elective)	3
ART 205	Ceramics I (elective)	3
ART 210	Printmaking: Relief (elective)	3
ART 211	Printmaking: Serigraph (elective)	3
ART 310	Fundamental Art Experiences	3
ART 355	Art History— Magic to Reason	3
ART 356	History of Modern Art*	3
ART 357	Contemporary Art Trends	3
ART 370	Sculpture (elective)	3
ART 403	Multicultural Art	3
COMM 325	History of Theater (elective)	3
MUS 120	Music Fundamentals	3
MUS 121	Music Theory I	3
MUS 250	Music and Civilization	3
MUS 351	Ancient Renaissance and World Music Literature (elective)	3
MUS 352	Baroque, Classical, and Early Romantic Music Literature* (elective)	3
MUS 455	Late Romantic and 20 <sup>th</sup> Century Music Literature (elective)	3

\*Upper-division writing intensive course

### Heritage and Institutions

(6 units required for core)

PHIL 210	Philosophical Foundations of Western Thought**	3
— or —		
PHIL 220	Introduction to Philosophy**	3

\*\*One of these two must be taken in addition to one of the following core courses:

HIST 120	World Civilizations to 1648	3
HIST 121	World Civilizations since 1648	3
HIST 151	U.S. History to 1865	3
HIST 152	U.S. History since 1865	3
HIST 335	Cultural History/ Travel Study (elective)	3
POLI 150	American Government	3
POLI 160	Introduction to Politics	3
POLI 340	International Politics (elective)	3
POLI 363	Modern Political Thought (elective)	3
POLI 376	The American Founding (elective)	3

### Identity and Relationships

(3 units required for core)

COMM 330	Small-Group Communication (elective)	3
COMM 420	Conflict Management* (elective)	3
GLBL 301	Anthropology for Everyday Life (elective)	3
GLBL 310	Intercultural Communication (elective)	3
MKTG 362	Consumer Behavior (elective)	3
PHIL 340	Concepts of Human Nature*	3
PSYC 110	General Psychology	3
PSYC 225	Personal and Social Adjustment	3
PSYC 290	Human Growth and Development	3
PSYC 440	Psychology of Religion (elective)	3
SOC 120	Introduction to Sociology	3

SOC 230	Comparative Family Systems	3	PHYC 201	Fundamentals of Physics	4
SOC 358	Human Diversity (elective)	3	PHYC 251	General Physics	5
UNRS 300	Stress Theory (elective)	3	PHIL 390	Philosophy of Science (elective)	3
*Upper-division writing intensive course					
<b>Language and Literature</b>					
(3 units required for core)					
ENGL 111	Introduction to Literature	3	<b>God's Word and the Christian Response</b>		
ENGL 324	World Literature to Renaissance	3	(18 units required for core)		
ENGL 334	World Literature since the Renaissance	3	UBBL 100 must be taken before any other Bible course in this category.		
ENGL 344	American Literature to 1865 (elective)*	3	<b>Bible</b>		
ENGL 354	American Literature since 1865 (elective)	3	(6 core units)		
ENGL 410	American Novel (elective)	3	UBBL 100	Exodus/Deuteronomy	3
ENGL 434	Children's Literature (elective)	3	UBBL 230	Luke*	3
ENGL 464	Chaucer (elective)	3	*Prerequisite: 100-level Bible course		
ENGL 474	Milton (elective)	3	<b>Additional Bible</b>		
*Upper-division writing intensive course					
<b>Nature</b>					
(4 units required for core; lab required)					
BIOL 101	Fundamentals of Biology	4	(3 core units)		
BIOL 151	General Biology I	4	UBBL 310	I and II Samuel**	3
BIOL 325	Humans and the Environment	3	UBBL 311	Hebrew Prophets I**	3
BIOL 330	Gender Differences (elective)	3	UBBL 320	Hebrew Poetical and Wisdom Literature**	3
CHEM 101	Introduction to Chemistry	4	UBBL 330	Life and Teachings of Jesus**	3
CHEM 105	Citizen Chemistry	4	UBBL 331	Acts**	3
CHEM 111/112	Chemistry for Health Science Professionals/Biochemistry for Health Sciences	3,1	UBBL 340	Romans and Galatians**	3
*Upper-division writing intensive course					
CHEM 151	General Chemistry	4	UBBL 341	Thessalonian and Corinthian Epistles**	3
PHYC 110	Principles of Physical Science	4	UBBL 343	The General Epistles**	3
PHYC 180	Earth Science	4	UBBL 350	Geographical/Historical Setting of the Bible**	3
PHYC 190	Introduction to Astronomy	4	UBBL 460	Theology of the Old Testament**	3
			UBBL 461	Theology of the New Testament**	3
			**Prerequisite: 200-level Bible course		
			<b>Ministry</b>		
			CMIN 108	Foundations of Ministry	3
			<b>Doctrine</b>		
			THEO 303	Theology and the Christian Life	3
			THEO 353	Church History	3
			THEO 363	Contemporary Christian Thought	3

<b>Senior Seminar</b>			ENGL 406	Composition: Pedagogy, Theory, and Practice	3
(3 units required for core)			GLBL 315	Urban Explorations	3
ART 496	Senior Seminar: Art Ethics	3	MATH 480	Mathematical Reading, Writing, and Presentation	3
BIOL 496	Senior Seminar: Ethics and the Sciences	3	POLI 300	Research and Writing	3
COMM 496	Senior Seminar: Ethics in Human Communication	3	PE 320	History and Principles of Physical Education	3
CS 496	Senior Seminar: Ethics in Computer Science	3	PE 406	Sociology of Sport	3
EDUC 496	Senior Seminar: Education and Professional Ethics	3	PSYC 420	Research Methods in Psychology	3
ENGL 496	Senior Seminar: Ethics in the Professions	3	SOC 479	Social Research Project	3
GLBL 496	Senior Seminar: Global Issues and Prospects	3	SOCW 351	Child Welfare (beginning fall 1997)	3
PHIL 496	Senior Seminar: Professional Ethics	3	THEO 408/410	Practical Theology–Practicum II (effective spring 1998)	3
PHIL 496	Senior Seminar: Social Ethics	3	UBBL 430	Johannine Literature	3
PHIL 496	Senior Seminar: Worldviews	3	UBBL 450	Ancient Near Eastern History	3
POLI 496	Senior Seminar: Religion and Politics	3	UNRS 305	Family Nursing Theory	3
SOC 496	Senior Seminar: Faith and Social Issues	3	UNRS 400	Advanced Practice: Professional Studies and Communication Skills (for ADN to MSN Program students only)	3
SOCW 496	Senior Seminar: Ethics in the Helping Professions	3	<b>Electives</b>		
THEO 496	Senior Seminar: Theology and Social Issues	3	At least 6-8 units must be selected from approved Integrative Core courses. See an advisor for details. (Up to two additional courses from any one Integrative Core category may be chosen.)		
UNRS 496	Senior Seminar: Ethics and Issues in Health Care	3	<b>Honors Program</b>		
<b>Upper-Division Writing Intensive Courses</b>			The Azusa Pacific University Honors Program consists of enriched courses developed for 30 talented and motivated students selected from among applicants in each incoming freshman class. The curriculum fulfills a significant portion of the general education requirements while challenging students with greater depth, intensity, intellectual rigor, and close student-faculty collaboration. Each honors class enrollment is limited to 15 students and the courses are designed by outstanding professors in their fields.		
(not core or elective)					
BIOL 320	Ecology	3			
BIOL 465	Clinical Research/Practicum in Applied Health	3			
BUSI 405	Business Report Writing	3			
BUSI 440	International Business	3			
CHEM 320/330	Instrumental Analysis and Lab	3,1			
COMM 410	Advanced Journalistic Writing	3			
EDUC 405	Diversity in the Classroom (effective fall 1997)	3			
ENGL 377	Shakespeare	3			



In addition to the honors curriculum, the program offers extracurricular cultural and social activities and international learning experiences. For qualified students who choose to participate, the Honors Program provides a challenge and opportunity: the challenge to perform at their highest levels of excellence and the opportunity to develop their abilities to the fullest.

An honors student is expected to maintain a cumulative grade-point average of 3.30 or higher, complete a minimum of seven units of honors curriculum during the freshman year, and complete a minimum of 26 units of honors curriculum to qualify as a distinguished Honors Scholar graduate. The graduate receives a certificate of completion, a brass medallion, and the distinctive “Honors Scholar” seal on the diploma.

Potential participants must represent the top 10 percent of incoming freshmen, based on their high school grade-point average and SAT or ACT scores. Eligible students will be selected on the basis of

academic performance, demonstrated leadership ability, and exemplary character. In addition to completing the usual application and reference forms for admission to the university, the candidate must submit an Honors Program Application and submit one additional reference form from a teacher to the director of the Honors Program by April 1.

Students not enrolled in the Honors Program may submit a petition to the Honors Program director requesting permission to register for an honors course.

#### Honors Program Curriculum

A minimum of 26 units must be completed from the following Honors courses. Up to 10 units may be satisfied by either Advanced Placement or International Baccalaureate exams, if the score obtained was a four or five.

#### Fall

COMM 111	Public Communication	3
CS 205	Microcomputer Software Tools	3

CSA 101	Beginnings	1	A permanent faculty advisor is selected when a student declares a major, and the Office of the Registrar maintains a record of that assignment. Students who have not declared a major will be advised by faculty in a department corresponding to their general interests or will meet with an undeclared major advisor in the Office of Academic Advising Services.
ENGL 110	Freshman Writing Seminar	3	
MUS 250	Music and Civilization	3	
PHIL 220	Introduction to Philosophy	3	
THEO 353	Church History	3	
UBBL 100	Exodus-Deuteronomy	3	

#### Spring

ART 150	Introduction to Art: Art, Life, and the Creative Spirit	3
ENGL 111	Introduction to Literature	3
PHYC 190	Introduction to Astronomy	4
PSYC 110	General Psychology	3
SOC 120	Introduction to Sociology	3
UBBL 230	Luke	3
UBBL 320	Hebrew Poetry and Wisdom Literature	3

#### International Travel-Study

HIST 335	Cultural History: Great Britain	3,3
UBBL 350	Geographical and Historical Setting of the Bible	3

#### Academic Advisement

Academic advising at Azusa Pacific University provides individual academic advising conferences, ensures successful completion of degree requirements, and promotes student development through discussion of abilities and appropriate personal and occupational choices.

Students meet with an advisor each semester while attending APU as a requirement to register or preregister. The advisor is a resource person available to explore life, vocational, and educational goals and growth, as well as aiding in academic planning and course selection related to the major. Full-time faculty are available to advise students throughout the semester, as well as during registration and preregistration periods.

While the advisor is a guide and resource person, final responsibility for meeting requirements to complete a major and a degree program rests with the student.

Additional resources are available to assist in the many areas of planning and growth that occur in college. The Offices of Undergraduate Admissions and the Registrar process the official records concerning a student's progress toward academic completion of a program of study. The Office of Student Life and the Learning Enrichment, Personal, and Career Counseling centers all provide individual guidance to students through testing, skills-development programs, counseling, and information sharing.

#### The Learning Enrichment Center

The Learning Enrichment Center (LEC) staff is dedicated to helping each person experience maximum intellectual development and personal growth. Every program and service offered is built upon a foundation of caring personal relationships in which staff members seek to know and understand students as whole persons and interact with them in a compassionate, direct, and honest manner consistent with Christian values. The LEC is located in the Village Court just north of Engstrom Hall. Students are encouraged to call the LEC for an appointment or more information.



### University Tutorial Program

Tutoring services are available for many undergraduate academic subjects. Tutoring is provided by undergraduate peer tutors to empower students to become more confident, effective, independent learners. Two types of tutoring are available free of charge to APU students:

- One-on-one tutoring sessions (by appointment) in which students meet individually with a tutor
- Small-group tutoring sessions in which three or more students meet as a group with a tutor

### Learning and Study Skills Assistance

The LEC staff provides individualized assistance to help APU students learn how to learn. A counselor is available to diagnose study strategy problems and instruct students in a variety of research-proven techniques to improve grades and achieve academic success. Call the LEC (626) 815-3849 for more information or to make an appointment.

### Supplemental Instruction

Supplemental Instruction (SI) helps students in difficult courses master course content while they develop and integrate effective learning and study strategies. SI leaders attend course lectures, take notes, read all assigned materials, and conduct three to five out-of-class study sessions per week. Selected classes designated for SI support are announced in class at the beginning of each semester. Additional information about SI sessions can be obtained by contacting the LEC at (626) 815-6000, Ext. 3321.

### Video-Based Supplemental Instruction

Video-based Supplemental Instruction (VSI) is a highly structured, time-intensive, small-group variation of Supplemental Instruction in which course content and critical-thinking skills integrate to provide the student with a “know-as-you-go” approach to learning. In VSI, professors

record their lectures on video tape and students enroll (with instructor permission) in a special section of the course. During VSI, a trained facilitator, approved by the academic department, uses the video-based lectures to pace the delivery of the concepts and is empowered to stop the video as needed to check for comprehension and discussion before moving on to the next concept. Selected classes designated for VSI support are advertised in the semester’s class schedule. For additional information about VSI contact the LEC at (626) 815-6000, Ext 3321.

### Conversation Groups

Students whose first language is not English can practice English conversation skills in a friendly, informal setting. LEC staff lead informal conversation sessions with nonnative-English speaking students to help them gain confidence and skill in English conversation.

### Assistance for Individuals with Disabilities

The LEC coordinates a number of direct services for undergraduate students with specific disabilities. Upon documented verification of disability, academic accommodations are individualized based on the learning needs of each student. Accommodation examples include: advocacy; academic and technical support; registration assistance; testing accommodations; assessment referral; liaison with university academic service areas; and liaison with community agencies.

To request academic accommodation, the student must do the following:

- Complete an Academic Accommodations Application (available in the LEC).
- Provide documentation of the disability.
- Schedule an interview with an LEC staff member.

Note that academic accommodations at APU do not include:

- diagnostic testing or evaluation of learning disabilities
- special programs for learning disabled students
- personal care aids
- separate or special tutorial programs for the disabled
- reduced standards of academic performance
- waiver of academic courses such as algebra or foreign languages

For further information about academic accommodations or to obtain guidelines for learning disability documentation, stop by or call (626) 815-3849, or telephone device for the deaf TDD (626) 815-3873.

### Athletic Academic Support

The LEC is teamed with the Office of Athletics to provide academic assistance to student-athletes. Types of support available include individualized instruction in learning and study strategies, time management, goal attainment methods, tutoring referral, and intrusive academic advising. The type of support that each student athlete receives is dependent upon the specific needs of the individual. The athletic support counselor works closely with the athletic director, individual coaches, and faculty in monitoring each athlete’s class participation and overall academic progress. More information can be obtained by calling the LEC at (626) 815-3849 or the Office of Athletics at (626) 815-6000, Ext. 3286.

### Reading Proficiency Examination

Proficiency testing in reading is required of entering freshmen with a Verbal SAT I score below 480, or an English ACT score below 20. This requisite is part of the university general studies plan and satisfies one area of the Skills and University requirements. Testing for reading proficiency is conducted during the registration sessions prior to each semester. Student testing scores are compiled and maintained

in the LEC and forwarded to the Office of the Registrar. Students are required to complete the testing prior to the start of their semester classes. Students who successfully meet the University standard on the reading proficiency exam are waived from the reading requirement. Students who do not meet the University standard on the reading proficiency exam are required to enroll in and pass ENGL 099 Reading Fundamentals during their first semester at APU. Students who do not pass the reading test and fail to enroll in the reading fundamentals course during their first semester at APU or those who fail to complete the proficiency testing will automatically be enrolled into a section of the course. Additional information about the reading proficiency testing process can be obtained by calling (626) 815-6000, Ext. 3505.

### Instruction in ENGL 099 Fundamentals of Reading

A two-unit course in reading prepares students to effectively handle the kinds and amounts of reading that will be required during their academic tenure at APU. Topics covered include: vocabulary development, strategies for reading comprehension improvement, and development of critical-reading skills.

### Instruction in ENGL 102 Study Skills and Strategies

A study skills course is available to help APU students learn how to learn. Topics covered in the course include: time management, note taking, learning and memory, college textbook study, analysis of writing assignments, and more.

### College-Level Examination Program (CLEP)

The LEC is an official CLEP testing site to serve APU students. CLEP is a national program that allows students to obtain credit by examination. A list of CLEP Subject Exams, APU course equivalents, minimum scores, and amount of credit awarded for each exam is available in the LEC or the

Office of the Registrar. CLEP tests are administered in the LEC by appointment only from **August 15** through **June 15**. To take a CLEP exam, students must:

- Submit a completed Registration Admission form to the LEC.
- Enclose two checks for exam fees (a \$44 check made out to CLEP and a \$10 nonrefundable service fee made out to APU).
- Schedule an appointment to take the exam, (626) 815-3849.

Registration forms and study guides can be obtained by calling the College Board at (800) 257-9558 or students can pick-up registration forms at the LEC.

### Council of Christian Colleges and Universities Programs

Azusa Pacific University is one of more than 90 members in the Council of Christian Colleges and Universities, a Washington, DC-based organization founded in 1976. Students benefit directly from the university's involvement through the opportunity to participate in several programs.

- The American Studies Internship Program, based in Washington, DC, offers classroom instruction in public policy issues and related internships.
- The China Studies Program offers a unique opportunity to explore the complex past of one of the world's oldest cultures; experience the economic, political, and social realities of contemporary China; and look ahead to study China's challenges as a rapidly emerging world power.
- The Latin American Studies Program, based in San Jose, Costa Rica, combines the study of Latin American politics, economics, religion, language, and culture.
- The Los Angeles Film Studies Center enables students to explore the film

industry within a Christian context and from a liberal arts perspective.

- The Middle East Studies Program provides students with an opportunity to study Middle Eastern cultures, religions, and conflicts. The program is located in Cairo, Egypt.
- At the Oxford Summer School, students study under the tutelage of Oxford dons in association with the Centre for Medieval and Renaissance Studies (Keble College). The Oxford Honors Program is offered to honors students and aimed at increasing critical thinking skills and scholarship in a rich historical setting. There is a wide variety of tutorial study programs in the arts, religion, history, economics, philosophy, and many others.
- The Russian Studies Program enables students to spend a semester living and learning in Russia, with courses on Russian culture, history, and current political and economic issues.
- For the Summer Institute of Journalism, students study in Washington, DC, learning from leading journalists and communications professors about gathering and writing news with professionalism and integrity.

Details about these programs can be acquired from the Office of the Provost.

### Focus on the Family Institute

Recognizing the critical need for future leaders to be trained in the Judeo-Christian principles upon which this great nation was founded, Focus on the Family has developed the Focus on the Family Institute, working with various Christian and secular colleges and universities. Since Focus on the Family has developed proven strategies to address such modern-day problems as the high divorce rate, anti-family government policies, financial pressures, and other issues, the institute offers students the unprecedented opportunity to gain first-

hand insight into the fight to preserve traditional values and halt the disintegration of the family. While attending the institute's program, students will discover the causes and cures for fractured families, become equipped to reverse current societal trends, and leave with solid values not only for academics, but also for life.

Fifteen-week courses are offered by the institute during the fall, spring, and summer terms. Students receive 16 credit units in the program. Details about this program can be acquired from the Department of Psychology.

### The Extended Studies Program

The Extended Studies Program consists of an accredited traditional college course presented in an innovative delivery system. All lessons are prerecorded on video cassettes. By using VCRs at the Media Center or home, students may set their own schedules for viewing lectures.

Academic materials supporting the taped lectures consist of a text and a student resource manual. The manual for the course outlines the course requirements which normally include viewing the tapes, completing the manual questions and projects, and taking midterm and final examinations. Consecutive scheduling allows students to concentrate on one subject at a time. The time limit recommended to complete one independent study course is 12 weeks.

Students who need help with specific problems may contact their academic advisor.

### Extended Studies Admission and Academic Policies Open Enrollment

Prospective students should have a high school diploma or equivalent (i.e., a GED certificate). Students seeking courses for personal enrichment and/or transfer credit

may register for the course without applying for admission to the university.

### Withdrawal from Courses

Students may withdraw from the course anytime within the first six weeks and receive a *W* on their transcripts. If a student has not officially withdrawn from the course and has not completed the course by the end of 12 weeks, a grade of *F* will be received. There will be no refund in these cases.

Approval for withdrawal after the six-week deadline will be granted only in extreme cases where extenuating circumstances are evident and can be substantiated. A petition may be filed with the Office of Extended Studies giving rationale for the request. This petition is to be signed by the student and approved by the faculty advisor in the Extended Studies Program and the dean of the College of Liberal Arts and Sciences.

### Program and Policy Changes

The program offerings and/or policies of the Extended Studies Program may change in a manner consistent with the program and policies of Azusa Pacific without prior notice.

### Financial Information

Tuition and fees are due and payable at the time of registration.

Tuition and fees per unit	\$250
Registration fee	\$10
Tape rental fee	\$20

### Course Offering

Department of English and Communication  
ENGL 101 College Composition (3)

This freshman English course focuses on the writing process as a whole: pre-writing, drafting, revising, and editing as well as developing basic writing skills. It offers direction in how to effectively use the library, write a research paper, and develop proposals and reports.

## Correspondence Course Credit

A maximum of nine semester units of correspondence credit may be applied toward an Azusa Pacific University degree.

Correspondence courses must be offered by a regionally accredited college or university or the Accrediting Association of Bible Colleges. No more than six units may be transferred to meet general studies core requirements in God's Word and the Christian Response.

Senior transfer students may complete only three units by correspondence, none of which may apply to the core category of God's Word and the Christian Response. If a student wishes to receive correspondence course credit toward the requirements for his/her major, prior written consent from department faculty must be obtained.

Correspondence courses must be completed prior to participating in commencement.

## Preprofessional Programs

### Premedical/Predental/ Preveterinary

While any major is compatible with medicine, an emphasis on science courses is mandatory for completion of the academic prerequisites of medical and dental schools. The Department of Biology and Chemistry offers excellent curricula for such programs. The student receives not only strong academic advisement on preparatory course work, but also a great deal of personal contact with the teacher within the classroom environment.

The program helps the student integrate scientific, cultural, and religious views and develop the skills and objectivity necessary for the advancement of scientific knowledge.

To assist the student in attaining this goal, APU provides an advisor and a premedical/

predental committee, which assist the student in class selections, keep track of academic progress, provide information on medical and dental school admission policies, and in general, aid the student in areas of difficulty.

In addition, hospital-related internships, career seminars, and a MCAT/MDAT study seminar led by the university premedical advisor are offered.

Both a high score on the MCAT (Medical College Admissions Test) and a high grade-point average are necessary for consideration in application to a professional school.

In addition to the general studies requirement, the following is typical of the academic prerequisites required by most medical or dental schools:

### Chemistry

CHEM 151/152 General Chemistry	4,4
CHEM 251/252 Organic Chemistry Theory	4,3
CHEM 261/262 Organic Chemistry Lab	1,2

### Biology

BIOL 151/152 General Biology I, II	4,4
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### Mathematics

MATH 151/152 Applied Calculus	3,3
— or —	
MATH 251/252 Calculus I, II	5,4

### Physics

PHYC 201/202 Fundamentals of Physics I, II	4,4
— or —	
PHYC 251/252 Physics I, II	5,5

Furthermore, the following courses provide excellent preparation for medical school:

CHEM 300 Quantitative Analysis— Theory and Lab	3,2
CHEM 380/381 Biochemistry	3,3
BIOL 280 Cell and Molecular Biology	4
BIOL 350 Animal Physiology	4

## Pre-Allied Health

Based on a current survey of master's programs (including physician assistant, occupational therapy, physical therapy, pharmacy, sports medicine, and chiropractic medicine), the applied health major within the Department of Biology and Chemistry contains most requirements for admission to M.S. programs. This major is also specifically designed to meet all admission requirements for entry into a Masters of Physical Therapy Program.

## Pre-Engineering

Students interested in engineering have two options available to them: the 2/2 Program and the 3/2 Program.

### 2/2 Program

In the 2/2 Program, a student completes a group of prescribed courses at Azusa Pacific University, then transfers to a school offering the engineering specialization of his/her choice to take the remaining course work required for graduation from that institution. Under normal circumstances, students are able to complete the APU requirements in two years and the additional requirements in two more years, hence the designation, 2/2 Program.

### 3/2 Program

In the 3/2 Program, a student completes a group of prescribed courses at Azusa Pacific University (more than required for the 2/2 Program), then transfers to a school offering the engineering specialization of his/her choice to take the remaining

course work required for graduation from that institution. Upon earning the engineering degree from the other institution, the student also receives a Bachelor of Arts degree from Azusa Pacific University. Under normal circumstances, students are able to complete the APU requirements in three years and the additional requirements in two more years, hence the designation, 3/2 Program.

APU has an affiliation agreement with Seattle Pacific University (SPU) which assures that a student from APU can transfer to SPU and obtain a degree from that institution in no more than two additional years. Students opting to complete their engineering degree at other universities, including state universities, have made smooth, successful transitions as well.

For a list of the prescribed courses for the 2/2 and 3/2 programs, see the Department of Math and Physics section in this catalog.

## Prelaw

Azusa Pacific's Department of History and Political Science offers a prelaw concentration for political science majors who intend to pursue law school. The 48-unit prelaw concentration includes courses in political science, law, philosophy, business, sociology, and communication. The prelaw advisor in the department will help prelaw students select appropriate elective courses and assist in the process of identifying and applying to law schools.




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## Student Life

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## Student Life

The Office of Student Life at Azusa Pacific University recognizes the spiritual, intellectual, emotional, social, occupational, and physical needs of students. A variety of opportunities and activities are coordinated to enhance each student's God-given potential.

In conjunction with faculty, the Student Life staff assists students in establishing academic and personal goals and provides tools and services to reach them.

Through chapel, personal and career counseling, small groups, outdoor adventure programs, multi-ethnic programs, and other experiences, students integrate their classroom and out-of-classroom experiences and apply their faith and beliefs to their value systems and lifestyles.

## Residence Life

Azusa Pacific University's on-campus Residence Life Program has several distinctive features. First, it exists as a community which engenders a spirit of redemption and grace to promote restoration and life change through Christ's involvement in students' day-to-day lives. Second, it offers undergraduate students many different types of living environments, including traditional residence halls and self-contained apartments. Many of the on-campus living communities are accessible to students with disabilities. Third, each living area strives to provide living-learning programs based on the assessed needs of the residents. Fourth, each residence community is managed by a residence director (RD) who serves as a liaison between residents and the university community. RDs are professionals trained to assist students with making positive choices that assure success in their college experiences. The RD also serves as an educator, helping students integrate their classroom learning with their

out-of-classroom experiences. Fifth, each subcommunity is directed by a residence advisor (RA reports to the RD) who plays a key role as a referral agent in the event that a student needs counseling or medical care. The RAs assist in orienting students to the living area and the campus, and plan a variety of programs which promote a sense of community and cooperation among residents. No other on-campus residential setting offers students the variety and quality of life experiences as Azusa Pacific University.

## Communiversity

Communiversity is designed to meet the social, recreational, intellectual, and spiritual needs of the APU community through activities and programs. Student interns are responsible for planning and implementing activities and events with wide appeal. Some Communiversity activities include: outdoor adventures, cultural arts, intramural sports, annual and semi-formal banquets, concerts, Family Weekend, Coffee House, and Night of Worship. These programs are open to all members of the Azusa Pacific community.

## Multi-Ethnic Programs

Through the advisement of the Multi-Ethnic Student Alliance (MESA), the Office of Multi-Ethnic Programs develops student leaders that serve as catalysts for communication and understanding among people of all racial, social, cultural, and economic backgrounds. The office implements programs and recommends policies that increase campus awareness and sensitivity to pressing social and cultural issues. Forums, lectures, and events are designed to augment existing campus programs, and underscore the university's commitment to aid students in their understanding and respect for all cultures.

## International Student Services

The Office of International Student Services (ISS) assists APU's 300 international students and scholars as well as promotes international awareness and understanding on campus.

Services provided to international students include assistance with admission to the university, immigration documentation (I-20/IAP-66), and cultural adjustment. Upon arrival into the U. S., ISS provides airport pick-up and helps students obtain a bank account, Social Security number, driver's license, and housing. A special orientation for international students is also provided which acquaints them with the university as well as U.S. laws and culture.

ISS holds various activities throughout the year to promote international awareness. A few of those activities include Global Vision Week, cultural dinners, the International Bazaar, and international awareness training sessions for student leaders. ISS is available to provide cultural information to students, faculty, and staff via literature, video, and personal consultation.

## Career Center

The Career Center, located in Village Court, emphasizes a developmental approach in the decision-making process, which assists students in making decisions early in their college experience. Students develop an understanding of their own career identity, implement a program of study, choose a career direction, and seek employment.

## Career Exploration and Development

The Career Center assists students in self-exploration, capturing a vision for their lives, learning how to make choices, and identifying personal interests and values. Several opportunities are available for students to do this, including personality and interest inventories; individual career counseling; **Career and Life Planning**, a three-

unit, upper-division course; and the **Meet Your Major** event, where students can obtain information on various majors from academic departments.

## Career Library

The Career Library contains a wide variety of information to help students and alumni in their career searches. Resources include a computerized career guidance system, Career Path, internship opportunities and many publications that offer current career information.

## Graduate School

Information on graduate schools and their programs can be obtained through the Career Center's *Peterson's Guide*. Also, the **Seminary and Graduate School Fair**, held in the fall brings 35-40 graduate school and seminary representatives to campus to interact with students and provide information regarding their programs. Assistance is offered in the decision-making and application processes. In addition, entrance test information and a GRE Fee Waiver Program are available.

## Employment Opportunities

The Career Center offers several services to assist students in locating job opportunities. They include Jobtrak, an online computerized part- and full-time employment listing service; the Jobtrækker employment bulletin; the job board; summer camp recruiting (individual camps interviewing in the spring for summer job positions); and Campus Interviewing, when employers come to campus to interview graduating students and alumni for career positions. In addition, an annual Career Day, in the spring, brings 50-60 employers to APU. This event enables students to gather information from employers in their respective fields and begin making professional contacts. Teacher Interview Day, which occurs in May, brings 50-60 school districts to campus to interview for teaching positions.

## University Counseling Center

The University Counseling Center (UCC) provides the resources needed to help individuals effectively meet personal, relationship, and family challenges in a confidential setting. The center offers a professional, nurturing environment and a variety of services including individual, group, and couples counseling. The UCC is open to all APU students, faculty, and staff who desire wholeness, healing, and support. Concerns frequently dealt with in counseling include, but are not limited to, self-esteem and identity development, depression, communication problems, anger, substance abuse, eating disorders, stress, transitions, grief and loss, relationship difficulties, and premarital/marital counseling. Throughout the year, seminars and workshops specifically designed to meet the needs of the collegiate community are provided.

## Campus Ministries

Azusa Pacific is committed to the spiritual development of every student. Faith cannot be bought, sold, or inherited. It is the product of the student's own relationship with Christ. Spiritual growth is maximized when faith is demonstrated through relationships and service. As members of the APU community, students' understanding of Christian maturity, spiritual gifts, ministry, and vocation will be stretched. The Office of Campus Ministries (CMO) provides programs and opportunities for guidance, encouragement, and instruction for a dynamic personal faith in Jesus Christ.

### Chapel

The mission and purpose of the chapel program as well as senior chapel is: *Proclamation of the Word*—the teaching, exposition, and presentation of scriptural truth through the media of word, drama, and song which call for decision and commitment to Jesus Christ; *Community response*—the corporate celebration of God's goodness in Christ through praise,

sharing, praying, and edifying presentations by outstanding Christians from across the nation, and community members committed to demonstrating faith; and *Challenging the community*—through presentations that call for the integration of Christian faith, hope, and love with life issues and act as a catalyst for service in the community and the world on behalf of Jesus Christ. Above all, a Kingdom worldview is sought.

### Discipleship

To develop a character of godliness, it is necessary for individuals to be actively nurtured in the qualities of Christ's life. One of the ways Christians grow in maturity is through the guidance of a spiritual mentor who provides direction, Bible study, counseling, and prayer. By exploring these challenges through small-group interaction and personal reflection, students can take a hold of their faith. Equipped with this understanding students can more critically deal with personal choices in lifelong planning, interpersonal relationships, moral decision making, and a personal ministry to others.

### Student Ministries/Community Service

In response to the teaching of Scripture, it is vital for members of the APU community to be active in the contemporary world. Many facets of this outreach are directed through numerous student ministries programs. These opportunities include: Peach Factory/Azusa Outreach, children's after-school programs in Azusa; Urban Ministries, inner-city outreach, including Union Rescue Mission and Fred Jordan Mission Urban Plunge, Prison Ministry, Barranca (tutoring), and Gospel Alive Choir; Gateway, a weekly sharing with teen mothers; and much more. Additional ministry opportunities include Adult Ministries (for the elderly), Habitat for Humanity, Single Parent Ministry, 1-800-HIT-HOME (hotline), and Urban Special Projects (reach out to homeless



and aids patients in Los Angeles and San Francisco). To receive credit for completing a ministry/service requirement, the student must submit the proper paperwork by the last day of each semester in which the ministry is completed. This paperwork is available in the Office of Campus Ministries. Participation in student ministries is a graduation requirement for all undergraduate students.

### Institute for Outreach Ministries

The Institute for Outreach Ministries (IOM) provides numerous opportunities for students to be used by God in cross-cultural ministries. Student ministry credits apply to all IOM trips.

Since 1984, student missions interest has increased tremendously. Students can serve in Mexico during, Thanksgiving weekend and Easter vacation as well as participate in numerous short-term mission opportunities around the world.

### Mexico Outreach

Each year more than 5,000 high school and college students travel to Mexico for intensive weeks of ministry. APU

students join thousands of others during Easter week in Mexicali, serving within Mexican churches, prisons, and villages. Thanksgiving weekend offers a ministry project in the Ensenada Valley for just APU students to worship and work together serving Mexican churches. Academic credit is offered (2 units) for Introduction to Christian Missions/Mexico.

### Office of World Missions

During the fall semester, Global Vision Week provides a glimpse of life in an international setting and reveals how students can increase their worldview and serve overseas. Academic credit is offered (1 unit) for Introduction to Christian Missions/Global Vision Week. Focus International trips for APU students provide outreach opportunities during Christmas break and summer months. Destinations include Ecuador, Haiti, Kenya, Laos, Romania, Russia, and more.

### Health Services

The Student Health Center offers services not only for the treatment of minor illnesses, emergencies, and first aid, but

also in preventive medicine. Workshops provided include nutrition; stress, substance abuse, and weight management; premarital consultations; and STD awareness.

Clinical hours are 9-11:30 a.m. and 1-3:30 p.m., with office hours from 9 a.m.-5 p.m. A nurse or doctor is on call after hours and on weekends as needed through the Department of Campus Safety. During summer hours, semester breaks, and holidays, the center may make referrals to outside physicians and medical facilities. Medications, injections, and treatment of minor illnesses are administered by the attending physician, nurse practitioners, or registered nurses. Should the student need further treatment or evaluation, there is an excellent referral base to specialists in the community as well as a hospital in close proximity for emergencies. International students and undergraduates with seven units or more are required to secure student health insurance which is included in the tuition package. A fee is charged for those students not covered by health insurance. There is a prematriculation requirement of some immunizations and a TB skin test. Check with the Health Center to see what is currently required.

### Turner Campus Center

Located in Azusa Pacific's Turner Campus Center are the cafeteria, the student post office, Take 5 Café, recreational facilities, and InCom (Information-Communication) Center. In addition, the Associated Student Body functions as a part of the campus center. The ASB's ability to influence the APU community is derived from its representation of student opinion, and its effectiveness lies in its ability to turn that representation into service. The ASB administrative council provides a laboratory for citizenship, social responsibility, and leadership.

### Bookstore

Located on the West Campus, across from the Hugh and Hazel Darling Library, the APU Bookstore offers a wide range of merchandise and services. In addition to all the materials needed for students' courses, a broad range of Christian books (Bibles, Bible reference, Bible studies, Christian living, devotional, novels, and more) and reference materials are carried. In addition, the top contemporary Christian CDs and a wide variety of worship CDs, including APU choirs, are stocked. The bookstore is a one-stop source for everything needed to show school spirit (clothing, hats, mugs, etc.) and for gift giving (Christmas, birthdays, Mother's and Father's days, Valentine's, Easter, etc.). Students may also order graduation announcements, class rings, and nursing pins and badges, as well as purchase prepaid phone cards, and art and office supplies. For the students' convenience, a fax sending and receiving service is offered. Special orders for books that are not carried by the Bookstore is available. In addition, UPS shipping services and complimentary gift wrapping are provided.

### Campus Safety

The Department of Campus Safety is located in the lobby on the first floor of Adams Hall. The staff assists students with problems they might encounter on campus, such as thefts, accidents, or threats.

A campus safety officer is not a peace officer. If a crime does occur, he/she acts in accordance with established policy and assists the police as required. The campus safety officer's primary concern is the protection of the people and property of Azusa Pacific University. Any and all incidents of stolen property or thefts should be promptly reported to the Department of Campus Safety. An officer will assist the student in filing a report with the local law

enforcement agency. This coordinated effort is invaluable when solving these types of crimes and raising community awareness.

In case of injury or sickness (except life-and-death situations), the Department of Campus Safety should be the first agency notified. Personnel will notify the proper emergency aid agency for assistance. The Department of Campus Safety also enforces traffic and parking regulations. All vehicles driven on campus must be registered with the Department of Campus Safety and display an APU vehicle registration decal. Students who are unfamiliar with the Vehicle Code should acquire a copy from the Department of Campus Safety.

In addition, a free "American Defender" whistle is provided to all women on campus and should be used in case of an emergency. It can signal for help, frighten away someone who means harm, or alert others to call the Department of Campus Safety. The whistle should only be used if students are in distress or see another in distress.

APU men can also participate in the whistle program. When the whistle is blown on campus, anyone within earshot is encouraged to go directly to that area. This does not mean that a student should run into the middle of an unsure situation. Students should not put themselves in jeopardy; instead, observe the situation and report if nothing else can be done.

To prevent abuse of the whistle, there is a \$250 fine for misuse on campus. Questions should be directed to (626) 815-6000, Ext. 3805.

The Azusa Pacific campus is private property, and permission to enter or pass through it is revocable at any time.

Students or visitors who fail to cooperate with university authorities, including Campus Safety personnel, will not be permitted on campus.

Campus Safety personnel are on duty every day of the year, 24 hours a day.

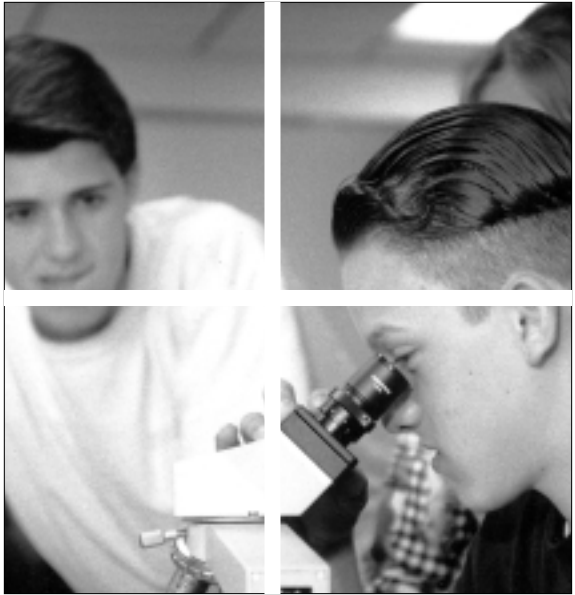
### Harassment Policy

Staff members are employed by the university for the purpose of assisting students and parents in the several facets of university life. At no time is it acceptable to engage in a discussion that is less than courteous and professional. It is the university's policy that if at any time an employee believes that he/she is being harassed verbally (or in any other manner) that they immediately end the conversation and refer the party to their supervisor.

### Social Expectation

It is the aim of Azusa Pacific University that the faith-living-learning environment be as healthy as possible and foster positive qualities of life, promoting sound academic and personal growth experiences. Therefore, Azusa Pacific University expects that students refrain from activities which may be spiritually or morally destructive—in particular, smoking, drinking, being under the influence of intoxicants, and using or possessing illegal drugs. These activities are strictly prohibited. In addition, all students are expected to abide by the student standards of conduct listed in the Student Handbook.

Admission to Azusa Pacific is a privilege. It is expected that students sincerely believe that they can honestly be themselves in this environment without being in conflict with it; seriously desire to discover and explore their relationship to God; and positively contribute to the Azusa Pacific University community.




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## College of Liberal Arts and Sciences

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# Department of Art

## Faculty

*Chair and Associate Professor: Susan Ney, M.A.*

*Associate Professors: William Catling, MFA; James Thompson, Ed.D.*

*Assistant Professor: David McGill, MFA*

*Lecturers (part time): Geyer Andrews, MFA; Richard Bartlebaugh, MFA; Anna Beth Cargill, M.A.; Linda Cushing, MFA; Tom Dunn, M.A.; Maryann Rachford, M.A.; Gloria Tuinhout, M.A.; Laurie Zagon, M.F.A.*

## Department Overview

The Azusa Pacific University Department of Art prepares art students for a lifetime of artistic expression as those that reflect the creative nature of God who shaped the universe. The APU art faculty believe Jesus Christ to be the ultimate Creator. As an emulator of Christ, the Christian artist is to act as a transformer in the world by producing the highest quality work possible and serving others in the art community through care and prayer. The faculty is committed to affirming the students' natural desire to create and providing a supportive environment to discover their calling. They are gifted teachers and artists who teach aesthetic awareness through modeling skills and craftsmanship in various media, stressing professional presentation; discovering sources for original ideas; exposing historical art; and practicing verbal and written criticism.

## Art

### Career Opportunities

Art majors select one of three concentrations. The general studio concentration—in drawing, painting, ceramics, sculpture, photography or printmaking—prepares the student for a professional art career. Most students who select this option later pursue a Master of Arts degree and then a Master of Fine Arts degree. The teaching concentration offers a state-approved Single-Subject Matter Program providing courses required to enter a California

credential program in graduate school. The graphic design concentration provides a strong background for students who wish to enter the fields of advertising, illustration, other commercially oriented areas, or graduate school.

### Departmental Policies

The following are policies that apply to all art major students:

- Students must successfully complete a portfolio review before progressing to upper-division classes. (The department secretary has dates of the reviews.)
- Students must mount an art show at the conclusion of their course work to prove proficiency in their selected art concentration.

### Requirements for the Art Major

**54 units**

Students should decide on an area of concentration by their junior year and notify the department chair. All students are expected to prove their technical proficiency by presenting a culminating display of their art in a senior exhibit.

### General Studio Concentration

**Core Classes 36 units**

ART 120	Introduction to Computer Graphics	3
ART 130	Basic Design	3
ART 145	Drawing I	3
ART 146	Painting I	3
ART 151	Postmodern Art Forms	3
ART 205	Ceramics I <sup>^</sup>	3
ART 210	Printmaking: Relief <sup>^</sup>	3
	— or —	
ART 211	Printmaking: Serigraph <sup>^</sup>	3
ART 355	Art History— Magic to Reason <sup>^</sup>	3
ART 356	History of Modern Art <sup>^</sup>	3
ART 357	Contemporary Art Trends <sup>^</sup>	3
ART 430	Applied Design	3
ART 450	Portfolio	3

<sup>^</sup>Meets a general studies requirement.

### Art Electives

**15 units**

ART 206	Ceramics II	3
	— or —	
ART 240	Figure Drawing and Painting	3
	— or —	
ART 260	Photography II	3
ART 305	Ceramics III	3
	— or —	
ART 340	Drawing and Painting II	3
	— or —	
ART 360	Photography III	3
ART 306	Ceramics IV	3
	— or —	
ART 440	Drawing and Painting III	3
	— or —	
ART 460	Photography IV	3
ART 311	Introduction to Crafts	3
	— or —	
ART 403	Multicultural Art <sup>^</sup>	3
ART 330	Three-Dimensional Design	3
	— or —	
ART 370	Sculpture <sup>^</sup>	3

### Additional Art Electives

**3 units**

### Teaching Concentration

**Core Classes**

**45 units**

ART 100	Exploring the Visual Arts <sup>^</sup>	3
	— or —	
ART 150	Introduction to Art <sup>^</sup>	3
ART 120	Introduction to Computer Graphics	3
ART 130	Basic Design	3
ART 145	Drawing I	3
ART 146	Painting I	3
ART 151	Postmodern Art Forms	3
ART 205	Ceramics I <sup>^</sup>	3
ART 310	Fundamental Art Experiences <sup>^</sup>	3
	— or —	
ART 312	Secondary Art: Methods, Materials, and Curriculum	3
ART 311	Introduction to Crafts	3

<sup>^</sup>Meets a general studies requirement.

ART 355	Art History— Magic to Reason <sup>^</sup>	3	ART 430	Applied Design (senior show)	3
ART 356	History of Modern Art <sup>^</sup>	3	ART 450	Portfolio (senior show)	3
ART 357	Contemporary Art Trends <sup>^</sup>	3	CS 220	Introduction to Computer Science	4
ART 403	Multicultural Art <sup>^</sup>	3		— or —	
ART 430	Applied Design	3	MKTG 361	Marketing Communication	3
ART 450	Portfolio	3			

**Breadth Classes select 9 units**

ART 200	Art and Science Integrations <sup>^</sup>	3
ART 206	Ceramics II	3
ART 210	Printmaking: Relief <sup>^</sup>	3
	— or —	
ART 211	Printmaking: Serigraph <sup>^</sup>	3
ART 240	Figure Drawing and Painting	3
ART 250	Photography I	3
ART 370	Sculpture <sup>^</sup>	3
	— or —	
ART 330	Three-Dimensional Design	3
ART 380	Graphic Design I	3

**Additional Requirements 11 units**

EDUC 405	Diversity in the Classroom <sup>^</sup>	3
PE 240	Health Education <sup>^</sup>	2
POLI 150	American Government <sup>^</sup>	3
PSYC 290	Human Growth and Development <sup>^</sup>	3

**Total 65 units****Graphic Design Concentration****Core Classes 36units**

ART 120	Introduction to Computer Graphics	3
ART 130	Basic Design	3
ART 145	Drawing I	3
ART 220	Typography	3
ART 250	Photography	3
ART 320	Computer Art and Illustration	3
ART 356	History of Modern Art <sup>^</sup>	3
ART 380	Graphic Design I	3
ART 381	Graphic Design II	3

<sup>^</sup>Meets a general studies requirement.

**Breadth Classes select 18 units**

ART 146	Painting I	3
ART 211	Printmaking: Serigraph <sup>^</sup>	3
ART 240	Figure Drawing and Painting	3
ART 340	Drawing and Painting I	3
ART 350	Illustration	3
ART 357	Contemporary Art Trends <sup>^</sup>	3
ART 382	Web Page Design I	3
ART 386	Multimedia I	3
ART 390	Three-Dimensional Animation I	3
ART 445	Studio Processes	3
ART 446	Computer Processes	3
ART 474	Internship	3
BUSI 360	Principles of Marketing	3
CS 225	Fundamentals of Computer Science	4
COMM 200	Understanding Mass Communication	3

**Requirements for the  
Art Minor****24 units**

ART 130	Basic Design	3
ART 145	Drawing I	3
ART 146	Painting I	3
	One of the following:	
ART 205	Ceramics I <sup>^</sup>	3
ART 311	Introduction to Crafts	3
ART 403	Multicultural Art <sup>^</sup>	3
	One of the following:	
ART 355	Art History—Magic to Reason <sup>^</sup>	3
ART 356	History of Modern Art <sup>^</sup>	3
ART 357	Contemporary Art Trends <sup>^</sup>	3

**Art Electives 9 units**

<sup>^</sup>Meets a general studies requirement.

**Liberal Studies Major with an  
Art Concentration 20 units**

ART 145	Drawing I	3
ART 146	Painting I	3
ART 310	Fundamental Art Experiences <sup>^</sup>	3

One of the following:

ART 355 <sup>^</sup>	Art History— Magic to Reason <sup>^</sup>	3
ART 356	History of Modern Art <sup>^</sup>	3
ART 357	Contemporary Art Trends <sup>^</sup>	3

One of the following:

ART 205	Ceramics I <sup>^</sup>	3
ART 311	Introduction to Crafts	3
ART 403	Multicultural Art <sup>^</sup>	3

**Art Electives 5 units**

<sup>^</sup>Meets a general studies requirement.

**Course Descriptions****ART 100 Exploring the Visual Arts (3)**

This course explores the fields of drawing, painting, sculpture, architecture, print-making, and lettering. Historical art with biblical themes is examined. Students create projects with various art materials. No previous art classes are required. Meets six hours weekly. *Meets general studies core requirement in Aesthetics and the Creative Arts.*

**ART 120 Introduction to  
Computer Graphics (3)**

This Macintosh-based course teaches the student the basic operation of the computer and how it may be used as a design tool. The emphasis is on teaching applications that pertain to illustration and desktop publishing. These applications include hands-on learning with word processing, drawing, paint, typography, and page layout. This course includes a strong emphasis on the vocabulary and concepts neces-



sary to understand the use and technology of computers. QuarkXPress, Adobe Illustrator, Adobe Photoshop, and Microsoft Works are used. Meets six hours weekly.

### **ART 130 Basic Design (3)**

A variety of two-dimensional problem-solving experiences in composition is examined, using the elements and principles of design. Oral and written art criticism are employed. Students are required to supply art tools and materials. Meets six hours weekly.

### **ART 145 Drawing I (3)**

Basic drawing experiences introduce students to various means of visual expression. This studio class deals with concepts, techniques, and elements of line, value, form, and composition. It includes work with live models and studies of anatomy. Media provided by students include pencil, chalk, charcoal, ink, pastels, conté crayon, and sketch pad. Meets six hours weekly.

### **ART 146 Painting I (3)**

Basic concepts and techniques of painting with acrylic and watercolor are taught in this class. Students consider various historical styles and formats to develop skills and appreciation of the media. Students are required to furnish art materials and tools. Meets six hours weekly. *Prerequisite: ART 145 or instructor's consent*

### **ART 150 Introduction to Art (3)**

This lecture course introduces students to fine art, including a brief survey of the history of architecture, painting, and sculpture, directed toward an understanding of the forms and styles of art. In addition, studio experiences help students develop a personal art awareness. *Meets general studies core requirement in Aesthetics and the Creative Arts.*

### **ART 151 Postmodern Art Forms (3)**

This studio course explores art techniques of the contemporary, postmodern age. Video, performance, and installation art are the three major art forms covered in the course. Meets six hours weekly.

### **ART 200 Art and Science Integrations (3)**

This lab course consists of numerous field trips to varied ecosystems. Students draw, paint, and create art from nature. Historical models are referenced. Meets six hours weekly. *Meets general studies elective requirement for Aesthetics and the Creative Arts.*

### **ART 205 Ceramics I (3)**

Students are introduced to clay, glazes, firing, and studio procedures through the production of hand-built and wheel-formed projects. There is an emphasis on basic functional forms and their historical precedents. Students purchase ceramics tools. Meets six hours weekly. *Meets general studies elective requirement for Aesthetics and the Creative Arts.*

### **ART 206 Ceramics II (3)**

Students undertake intermediate projects in ceramics designed to increase basic skills and confidence on the potter's wheel. Meets six hours weekly. *Prerequisite: B or better in ART 205*

### **ART 210 Printmaking: Relief (3)**

This studio course provides an introduction to the fine art of printmaking with an emphasis on relief techniques. Attention is given to the origins and development of printmaking in many cultures. Meets six hours weekly. *Meets general studies elective requirement for Aesthetics and the Creative Arts.*

### **ART 211 Printmaking: Serigraph (3)**

This studio course provides an introduction to the fine art of printmaking with an emphasis on serigraph (silk-screen) techniques. Attention is given to the origins and development of serigraph in the 20<sup>th</sup> century. Meets six hours weekly. *Meets general studies elective requirement in Aesthetics and the Creative Arts.*

### **ART 220 Typography (3)**

The history, design, and use of letterforms are studied with emphasis on typography as a primary element in graphic design. Students develop skills and understanding of type specification for text layout in the process of design. Techniques and application of design skills include computer graphics. *Prerequisites: ART 120 and ART 130*

### **ART 240 Figure Drawing and Painting (3)**

This studio course focuses on rendering the human figure in drawing and painting media. Students are exposed to artwork and processes to stimulate their creative work and discover their personal expression. Meets six hours weekly. *Prerequisites: ART 130, ART 145, and ART 146*

### **ART 250 Photography I (3)**

This studio course is an introduction to the fine art of photography with an emphasis on developing significant personal imagery. The course includes a brief history of photography, techniques of composing images, and exposing film. Students study basic black and white techniques and some alternative photography. Meets six hours weekly.

### **ART 260 Photography II (3)**

This intermediate level studio course is the further study in the fine art of photography with a continued emphasis on developing significant personal imagery. The course will include a study of current fine art photography, creative and technical aspects of black and white photography as well as alternative processes. *Prerequisite: ART 250*

### **ART 305 Ceramics III (3)**

Students create advanced projects in ceramics. Meets six hours weekly. *Prerequisites: B or better in ART 206*

### **ART 306 Ceramics IV (3)**

Students create advanced projects in ceramics. Meets six hours weekly. *Prerequisites: B or better in ART 305*

### **ART 310 Fundamental Art Experiences (3)**

This is an introductory studio art course designed to aid art teachers at many grade levels through the use of art production, history, evaluation, and aesthetic valuing. Meets six hours weekly. *Meets general studies core requirement in Aesthetics and the Creative Arts.*

### **ART 311 Introduction to Crafts (3)**

This is a basic crafts course which introduces a variety of concepts and techniques using fiber, glass, wood, paper crafts, and power tools. Integration of function and aesthetics in contemporary design is emphasized. Meets six hours weekly.

### **ART 312 Secondary Art: Methods, Materials, and Curriculum (3)**

Students study secondary curriculum and practices to learn effective and positive ways of providing a quality art program. Such issues as current trends and practices, aesthetic valuing and classroom management are explored. Field trips may be required.

### **ART 320 Computer Graphics and Illustration (3)**

This is an intermediate-level computer art class with projects in fine art, illustration, and graphics. QuarkXPress, Adobe Illustrator, and Adobe Photoshop are introduced. Meets six hours weekly. *Prerequisite: ART 120, ART 130, or instructor's permission*

### **ART 330 Three-Dimensional Design (3)**

Basic spatial compositions are created to investigate concepts of form, light, texture, and motion, using a variety of materials such as cardboard, plaster, wood, plastic, and metal. Problems involving sculptural and environmental design concepts are discovered. Meets six hours weekly. *Prerequisite: ART 130*

### **ART 340 Drawing and Painting II (3)**

Students investigate a personal approach to drawing and painting in various media using a variety of techniques. Emphasis is on independent exploration to prepare students for careers in studio art. Meets six hours weekly. *Prerequisites: B or better in ART 130 and ART 240*

### **ART 350 Illustration (3)**

This course explores wet and dry media techniques and uses of illustration, rendering, and personal expression for the art major with a concentration in graphic design. Meets six hours weekly. *Prerequisite: ART 145*

### **ART 355 Art History—Magic to Reason (3)**

Students explore the history of Western architecture, painting, and sculpture from prehistory to the Age of Reason, directed toward an understanding of the forms, styles, and purposes of art. *Meets general studies core requirement in Aesthetics and the Creative Arts.*

### **ART 356 History of Modern Art (3)**

This course provides a study of painting, sculpture, and architecture from 1800-1945. Course work is directed toward an understanding of the various styles and movements of modern art as they are influenced by the social, political, and spiritual environment, and as they, in turn, influence visual perception and aesthetic taste in the modern age. *Meets the general studies core requirement for Aesthetics and the Creative Arts. Also meets upper-division writing intensive course requirement.*

**ART 357 Contemporary Art Trends (3)**

This is a lecture class that includes the study of the history of painting, sculpture, and architecture created from 1945 to the present. This class explores the transition in art from Modernism to Postmodernism. Field trips to local galleries and museums allow students to experience current art in Southern California. *Meets general studies core requirement for Aesthetics and the Creative Arts.*

**ART 360 Photography III (3)**

This advanced level studio course provides further study in the fine art of photography with a continued emphasis on developing significant personal imagery. The course includes study of current fine art photography, creative and technical aspects of black and white photography as well as alternative processes. Meets six hours weekly. *Prerequisites: ART 250 and ART 260*

**ART 370 Sculpture (3)**

This is a three-dimensional studio course utilizing wood, plaster, metals, and clay. Historical aspects are an integral part of the course. Meets six hours weekly. *Meets general studies elective requirement in Aesthetics and the Creative Arts. Prerequisite: ART 130*

**ART 380 Graphic Design I (3)**

This course provides an introduction to graphic design in advertising, visual communication, and the design process. Students address the primary elements and principles of design in graphic arts. Students learn how photography, typography, illustration, and layout techniques can be integrated to conceptualize promotional ideas for the purpose of advertising. Projects involve both computer and mechanical skills. Meets six hours weekly. *Prerequisites: ART 130 and ART 120*

**ART 381 Graphic Design II (3)**

This course provides an introduction to the process of creating advertising art. Projects involve layout, use of designer tools, black and white paste-up, and color separation by hand and computer. Meets six hours weekly. *Prerequisite: B or better in ART 380*

**ART 382 Web Page Design I (3)**

This course provides an introduction to Internet basics using Internet browsers. Students design graphics and prepare images and media for

effective use on the World Wide Web. Students will learn HTML (Hyper Text Markup Language) to create Web pages. Meets six hours weekly. *Prerequisite: ART 120, ART 130, ART 380, or instructor's permission*

**ART 386 Multimedia I (3)**

This course provides an introduction to multimedia to prepare students to integrate media assets such as video, graphics, three-dimensional design, sound, as well as learn authoring tools to develop interactive presentations for CD-ROM and Internet distribution. Meets six hours weekly. *Prerequisites: ART 120, ART 130, ART 380, and COMM 202*

**ART 390 Three-Dimensional Animation I (3)**

This studio course provides the student with the fundamental techniques in the area of computer three dimensional animation. It gives hands-on approach to the art and science of modeling, layout, and motion in a three-dimensional environment. Meets six hours weekly. *Prerequisites: ART 220 and ART 320*

**ART 403 Multicultural Art (3)**

This is a hands-on class using mixed media to introduce students to arts and crafts from around the world. Art created by American minority artists are also considered. Meets six hours weekly. *Meets general studies core requirement for Aesthetics and the Creative Arts.*

**ART 406 Ceramic Studio Processes (1-3)**

This course for the advanced student potter tailors experiences to meet the individual student's goal as a professional studio potter or ceramics instructor. It may be repeated for six units total. *Prerequisite: instructor's permission*

**ART 430 Applied Design (1-4)**

This is an individualized course for advanced students with an interest in sculpture, crafts, graphics, illustration, and/or environmental design. It may be repeated for six units total. *Prerequisites: advanced study in the area of specialization and department chair's permission*

**ART 440 Drawing and Painting III (3)**

This course provides the student with additional advanced projects within the context of a major theme. A personal style is encouraged. The student is directed to develop his/her own structure for semester work. Meets six hours weekly. *Prerequisite: ART 340*

**ART 445 Studio Art Processes (1-3)**

This studio course for the advanced general studio art major tailors experiences to meet the individual student's goal as a professional artist. It may be repeated for six units total. *Prerequisite: instructor's permission*

**ART 446 Computer Processes (1-3)**

This course for the advanced graphic design art major tailors experiences to meet the individual student's goal as a graphic designer. It may be repeated for six units total. *Prerequisite: instructor's permission*

**ART 450 Portfolio (3)**

This is a required laboratory class for all senior art majors. It consists of portfolio preparation, art philosophy statements, gallery contracts and contacts, graduate school options, business networking, and the role of the Christian artist in today's culture. Meets six hours weekly.

**ART 460 Photography III (3)**

This advanced level studio course offers further study in the fine art of photography with a continued emphasis on developing significant personal imagery. The course includes study of current fine art photography, creative and technical aspects of black and white photography as well as alternative processes. Meets six hours weekly. *Prerequisites: ART 250, ART 260, and ART 360*

**ART 465 Photographic Processes (1-3)**

This studio course for the advanced general studio art major with an emphasis in photography, tailors experiences to meet the individual student's goal as a professional photographer. It may be repeated for six total units. Meets six hours weekly. *Prerequisite: instructor's permission*

**ART 475 Art Internship (1-4)**

Art majors participate in volunteer positions directly linked to their area of concentration for on-site experience. *Prerequisites: junior or senior standing and department chair's approval*

**ART 496 Senior Seminar: Art Ethics (3)**

This course examines ethical issues in the contemporary art world from a Christian perspective. Included is the examination of ethical dilemma's faced by artists in today's postmodern culture. *Meets the general studies requirements of a Senior Seminar. Prerequisites: senior standing; completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

**ART 497 Readings (1-4)**

Consists of a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**ART 498 Directed Research (1-4)**

This course provides instruction in research design and techniques, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**ART 499 Thesis/Project (1-4)**

A senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication is offered. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in a formal thesis, published article, electronic media, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of Biology and Chemistry

## Faculty

*Chair and Associate Professor:*  
Lester C. Eddington, C. Phil.

*Professors:* David Cherney, Ph.D.;  
Scott Kinnes, Ph.D.; James Rodgers, Ph.D.;  
Bruce Spalding, Ph.D.; James White, Ph.D.

*Associate Professor:* Cableen Shrier, Ph.D.

*Assistant Professors:* Heli Nikkila, Ph.D.;  
Mark Railey, Ph.D.; Willetta Toole  
Simms, Ph.D.

*Lecturers (part time):* Wayne Bowden, MD;  
Susan Broadbent; John Dobrene;  
C. Kinnes, Ph.D.; D. Marshall; Richard  
Ong, Ph.D.; Poli Petridis; John Simons;  
Lisa Sommers; Thomas Walters, Ph.D.

*Laboratory Coordinator:* Paul Austin

*Laboratory Technicians:* Mark Armitage,  
Sarah Fiala, Paul Spielman

## Department Overview

Students can earn the Bachelor of Arts degree in biology, chemistry, biochemistry, and natural science. A Bachelor of Science degree can be obtained in applied health/biology or chemistry. Bachelor of Science in Biology/Chemistry degrees are obtained by adding a minor in biology, chemistry, mathematics, physics, or computer science in addition to the requirements for the B.A. degree. The requirements for a B.S. in Biochemistry are described under the requirements for that major.

## Departmental Policies

The following are policies that apply to all majors and minors offered by the department:

- Students must attain at least a C grade in all required science and math courses. Students may not petition for exemptions to this requirement.
- Students must complete all prerequisites for a course, with a C or better, before taking the course.
- All majors are required to take the BIOL 496 Senior Seminar: Ethics and the Sciences to meet their general studies Senior Seminar course requirement.
- While courses required of the major may be taken at other accredited institutions, both lecture and laboratory components must be taken at the same institution.

Regarding upper-division electives required for each major:

- At least one three- or four-unit course must be taken.
- Nor more than two one-unit courses may be taken for elective credit.
- Students may take up to three units of research and independent study credits for elective credit in the major.
- BIOL 470 MCAT Review may not be taken to meet upper-division elective requirements in the major.

Students may petition for exemptions by submitting the Department of Biology and Chemistry Petition form to the Department's Policy Committee.

## Biology/Applied Health Introduction

A well-balanced complement of courses in the field of biology is offered to provide solid academic training for the student who wishes to major in this area. In addition, courses such as Fundamentals of Biology, and Anatomy and Physiology meet general studies requirements and provide insight for the nonbiology major into the complexities and wonders of life. The biology faculty stimulates the created "senses" of curiosity and creativity within each student and employs basic scientific knowledge in the practical solutions of problems related to living organisms and in understanding the wonders of God's world.

## Career Opportunities

Students majoring or minoring in biology may become elementary or secondary school science teachers or technicians in conservation, agriculture, food or health sciences, university research laboratories, or hospitals. The major also prepares the student for studies leading to graduate professional degrees in medicine, dentistry, optometry, biomedical research, or university teaching positions. The applied health major is espe-

cially pertinent for those desiring to matriculate into a physical therapy or physician's assistant program. For information on the premedical or pre dental emphases, see the appropriate sections in the academic programs portion of this catalog.

## Requirements for the Biology Major **74-76 units**

<b>Chemistry</b>	<b>18 units</b>
CHEM 151**/152 General Chemistry*	4,4
CHEM 251/252 Organic Chemistry	4,4
CHEM 261/262 Organic Chemistry Lab	1,1

<b>Mathematics</b>	<b>6 units</b>
MATH 151/152 Applied Calculus I,II	3,3

<b>Physics</b>	<b>8-10 units</b>
PHYC 201**/202 Fundamentals of Physics*	4,4

— or —

PHYC 251**/252 General Physics	5,5
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## Biology **42 units**

BIOL 151 General Biology I*/**	4
BIOL 152 General Biology II*	4
BIOL 220 General Microbiology	4
BIOL 280 Cell and Molecular Biology	4
BIOL 300 Genetics	4
BIOL 320 Ecology**	4
BIOL 350 Animal Physiology	4
BIOL 336 Vertebrate Biology	4
BIOL 496 Senior Seminar: Ethics and the Sciences**	3

## Upper-Division Biology Electives **7 units**

\*This course may be waived with an appropriate Advanced Placement test score.

\*\*Meets a general studies requirement. Required of all science majors.

## Requirements for the Biology Minor **28 units**

The minimum prerequisites for this program include one year of high school chemistry, one year of high school biology, and two years of high school algebra. Students must have received a grade of C or better in each of the courses.

**Lower-Division Requirements 16 units**

Each student must take the following and must receive a grade of C or better before being allowed to continue the minor:

BIOL 111	General Biology I**/**	4
BIOL 112	General Biology II*	4
CHEM 151	General Chemistry I**	4
CHEM 152	General Chemistry II	4
BIOL 102	Anatomy and Physiology	4
	— or —	
BIOL 220	General Microbiology	4

**Upper-Division Electives 12 units**

Choice of electives must be approved by the Department of Biology and Chemistry.

**Requirements for the Applied Health Major 75 units**

This major is especially designed for those students desiring to matriculate into a physical therapy program.

**Chemistry 12 units**

CHEM 140	Introduction to Organic and Biochemistry	4
CHEM 151**/152	General Chemistry	4,4

**Mathematics 3 units**

MATH 151	Applied Calculus*	3
	— or —	
MATH 360	Probability and Statistics	3

**Physics 8 units**

PHYC 201**/202	Fundamentals of Physics	4,4
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**Biology 42 units**

BIOL 151	General Biology I*	4
BIOL 220	General Microbiology	4
BIOL 250	Human Anatomy	4
BIOL 251	Human Physiology	4
BIOL 280	Cell and Molecular Biology	4
BIOL 300	Genetics	4
BIOL 326	Neurobiology	4
BIOL 496	Senior Seminar: Ethics and the Sciences**	3

Upper-Division Biology Electives 7 units

**Additional Requirements****Psychology 9 units**

PSYC 110	General Psychology**	3
PSYC 290	Human Growth and Development **	3
PSYC 360	Abnormal Psychology	3

**Athletic Training/PE 5 units**

PEAT 250/251	Field Work in Athletic Training I, II	1,1
PE 364	Kinesiology	3

\*This course may be waived with an appropriate Advanced Placement test score.

\*\*Meets a general studies core requirement.

**AuSable Institute of Environmental Studies**

The AuSable Institute serves evangelical Christian colleges by offering environmental studies in Southern Michigan's forests, wetlands, lakes, and rivers. Azusa Pacific University students may attend the institute because of APU's involvement with the Coalition of Christian Colleges and Universities and receive credit for courses taken there with prior approval. Please see the campus biology faculty representative for further information.

**Biochemistry****Introduction**

The Department of Biology and Chemistry offers an interdisciplinary major in biochemistry. The requirements for the B.S. are the same as the B.A. except the year sequence of MATH 251/252 Calculus is substituted for MATH 151 Applied Calculus. In addition, CHEM 401/402 Physical Chemistry and CHEM 412 Physical Measurements Lab are taken in place of the six units of upper-division electives.

**Career Opportunities**

This major serves pre-allied health students, as well as others who desire a current molecular emphasis in their major. It contains a basic core of chemistry and biology courses as well as classes that are cross-disciplinary in nature, such as biochemistry, physiology, and cell and molecular biology. The student enjoys the freedom to choose biology or chemistry electives while keeping the total major units required for graduation at a reasonable level. This major is especially appropriate for students seeking a career in a laboratory research area such as biotechnology; graduate study in biochemistry or the biological sciences; or chemistry-, pharmacy-, or medical-related studies, or education. The Association of American Medical Colleges has indicated that biochemistry undergraduates enjoy one of the highest acceptance rates for medical schools of the science major categories.

**Requirements for the Biochemistry Major 78 units****Chemistry 22 units**

CHEM 151**/152	General Chemistry I, II*	4,4
CHEM 251/252	Organic Chemistry—Theory	4,4
CHEM 261/262	Organic Chemistry—Lab	1,1
CHEM 300	Quantitative Analysis—Theory	2
CHEM 310	Quantitative Analysis—Lab	2

**Biology 27 units**

BIOL 151**/152	General Biology I, II*	4,4
BIOL 220	General Microbiology	4
BIOL 280	Cell and Molecular Biology	4
BIOL 300	Genetics	4
BIOL 350	Animal Physiology	4
BIOL 496	Senior Seminar: Ethics and the Sciences**	3

**Math/Physics 14 units**

MATH 151/152	Applied Calculus I,II*	3,3
PHYC 201/202	Fundamentals of Physics*	4,4

**Biochemistry 15 units**

BIOL 380/ 381	Biochemistry	4,4
Upper-Division Biology/	Chemistry Electives	6
Research/Department Seminar		1

\*This course may be waived with an appropriate Advanced Placement test score.

\*\*Meets a general studies requirement.

**Chemistry****Introduction**

Chemistry has been called the “central science” because an understanding of it is necessary for study in the fields of biology, astronomy, earth science, and physics. Chemistry is fundamental to interdisciplinary fields such as biochemistry, ecology, medicine, pharmacology, and environmental toxicology. In fact, it is virtually impossible to find an area in modern society which has not been impacted by the study of chemistry. Look around and see a wide range of products such as metal alloys, plastics, dyes, stains, and cleansers. Go to a local pharmacist and find a bewildering array of drugs, food supplements, and vitamins. Most of these products were researched and developed by chemists.

However, the application of chemical breakthroughs in today's society has also led to problems such as disposal of wastes, environmental pollution, and the ozone hole. Society will increasingly look to chemists for solutions to these problems. It is, in fact, desirable for every person to have a basic understanding of chemistry so that they may be better able to understand both the opportunities and the problems created by breakthroughs in chemistry. For this reason, the department offers the courses Introduction to Chemistry and Citizen Chemistry. These course both meet general studies requirements and educate the student not only in basic chemical principles, but also in how chemistry impacts the planet.

The core requirements of the chemistry major are a year each of general chemistry, organic chemistry, analytical chemistry (Quantitative Analysis and Instrumental Analysis), and physical chemistry. The remainder of the requirements give the student a foundation in related fields and provide breadth. In addition to classroom requirements, it is strongly recommended that students complete a special project during their junior or senior year. This may involve collaboration with one of the science faculty in a research project, off-campus internship in industry, or a project in which students pursue one of their own ideas.

### Career Opportunities

The chemistry major is excellent preparation for graduate school in chemistry, biochemistry, and environmental studies. Students who attend graduate school and obtain a master's or doctoral degree may find employment at a university or in the private or government sectors. The chemistry major is also excellent for students planning to attend professional school in medicine, dentistry, veterinary medicine, medical technology, forensic science, and pharmacy.

Examples of employment which students may seek immediately after graduation include entry-level positions as a research or laboratory technician, in governmental or industrial technical support, in management (when coupled with a major or minor in business administration), or in teaching at the secondary level (especially when completed in conjunction with the natural science major). It is highly recommended that students desiring employment immediately after graduation complete an internship in the private or government sector before graduation.

### Requirements for the Chemistry Major 64 units

#### Chemistry 43 units

CHEM 151**/152 General Chemistry I, II*	4,4
CHEM 300 Quantitative Analysis–Theory	2
CHEM 310 Quantitative Analysis–Lab	2
CHEM 320 Instrumental Analysis–Theory^	3
CHEM 330 Instrumental Analysis–Lab^	1
CHEM 251/252 Organic Chemistry–Theory	4,4
CHEM 261/262 Organic Chemistry–Lab	1,1
CHEM 401/402 Physical Chemistry–Theory I, II	4,4
CHEM 412 Physical Measurements	1
BIOL 496 Senior Seminar: Ethics and the Sciences	3
Upper-Division Chemistry Elective	3

Choose one from:

CHEM 470 Research/Independent Study	2
CHEM 499 Readings in Chemistry	2

#### Mathematics 10 units

MATH 251/252 Calculus I, II*	5,5
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#### Physics 8-10 units

PHYC 201**/202 Fundamentals of Physics*	4,4
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— or —

PHYC 251**/252 General Physics	5,5
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#### Computer Science Elective 3 units

(200-level or above)

\*This course may be waived with an appropriate Advanced Placement test score.

\*\*Meets a general studies requirement.

^CHEM 320 and CHEM 330 together meet the general studies upper-division writing requirement.

### Requirements for the Chemistry Minor 25 units

CHEM 151**/152 General Chemistry I, II*	4,4
CHEM 300 Quantitative Analysis–Theory	2
CHEM 310 Quantitative Analysis–Lab	2
CHEM 251/252 Organic Chemistry–Theory	4,4
CHEM 261/262 Organic Chemistry–Lab	1,1
Upper-Division Chemistry Elective	3

\*This course may be waived with an appropriate Advanced Placement test score.

## Natural Science

### Introduction

The natural science major is Azusa Pacific University's state-certified program which leads to the Single-Subject Teaching Credential in Science. This program is for students planning a career in teaching science at the secondary level. All students must complete a set of core requirements and then specialize in biology or chemistry.

### Career Opportunities

Students choosing the natural science major often pursue a career in teaching science at the secondary level. However, other students who may find this major interesting are those who desire a broad, but intensive, background in the sciences; and those who desire the freedom to explore a wide range of scientific knowledge. Although the unit load seems heavy at first glance, many of the required courses also count for general studies credit and thus allow the student freedom in choosing electives. The total number of science and math units required are 61-64 units, depending on the options taken. This is fewer than any other science major except chemistry. It is, therefore, possible to carry a double major by taking some course work in the summer which opens up other career options.

### Requirements for the Natural Science Major 76-79 units

In addition to the following requirements, students must keep a portfolio during their time at the university. This portfolio must be examined by the student's academic advisor at least once a year and conform to departmental guidelines.

#### Core Courses 53-55 units

All students must complete the following core courses:

#### Breadth Courses 32-34 units

BIOL 151**/152 General Biology I, II*	4,4
CHEM 151**/152 General Chemistry I, II*	4,4
PHYC 190 Introduction to Astronomy**	4
PHYC 201**/202 Fundamentals of Physics I, II*	4,4
PHYC 180 Earth Science**	4

#### Nonscience Courses 15 units

BIOL/CHEM 090 Practicum in Laboratory Safety	0
BIOL 496 Senior Seminar: Ethics and the Sciences**	3
EDUC 405 Diversity in the Classroom**	3
PHIL 390 Philosophy of Science**	3
POLI 150 American Government**	3
PSYC 290 Human Growth and Development**	3

#### Related Math and Science Courses 7-10 units

For students taking the biology specialization:

CHEM 210 Introduction to Organic and Biochemistry	4
MATH 151 Applied Calculus*	3
— or —	
MATH 360 Probability and Statistics	3

For students taking the chemistry specialization:

MATH 251/252 Calculus I, II*	5,5
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\*This course may be waived with an appropriate Advanced Placement score.

\*\*Meets a general studies requirement.

## Specialization Courses

Students must complete one of the following specializations:

<b>Biology Track</b>		<b>24 units</b>
BIOL 251	Human Physiology	4
	— or —	
BIOL 350	Animal Physiology	4
BIOL 280	Cell and Molecular Biology	4
BIOL 300	Genetics	4
BIOL 320	Ecology*	4
BIOL 336	Vertebrate Biology	4
BIOL 365	Plant Biology	4
*Meets a general studies upper-division writing requirement.		
<b>Chemistry Track</b>		<b>19-21 units</b>
CHEM 300	Quantitative Analysis Lecture	2
CHEM 310	Quantitative Analysis Lab	2
CHEM 401	Physical Chemistry I	4
CHEM 412	Physical Measurements Lab	1
Choose from:		
CHEM 251/252	Organic Chemistry Lecture	4,4
CHEM 261/262	Organic Chemistry Lab	1,1
	— or —	
CHEM 140	Introduction to Organic and Biochemistry	4
CHEM 380/381	Biochemistry I, II	4,4

## Course Descriptions

### Biology

#### BIOL 090 Laboratory Safety (0)

This course provides an introduction to federal, state, and local regulations, material safety data suggestions, chemical hygiene plan, labels, equipment, spill response, and proper handling and disposal of chemicals as related to an academic laboratory.

#### BIOL 101 Fundamentals of Biology (4)

LECTURE, 3 HOURS; LAB, 3 HOURS

This basic course covers the themes of cell biology, genetics, ecology, evolution, and human

biology. It promotes an appreciation for the unification and interdependence of all life. *Meets general studies core requirement in Nature. It is not applicable for biology majors.*

#### BIOL 115 Anatomy and Physiology (4)

LECTURE, 3 HOURS; LAB, 3 HOURS

This is an introductory course in the principles of anatomy and physiology as they relate to the structure and function of the living human body.

It is designed for physical education majors. *It is not applicable to biology or nursing majors.*

*Prerequisite: BIOL 101 or BIOL 151*

#### BIOL 151 General Biology I (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

Principles of cell structure and function, genetics, development, reproduction, and animal systems biology are covered in this introductory course.

There is a laboratory emphasis on the investigative approach and experimental techniques of biology. *Meets general studies core requirement in Nature. Prerequisite: BIOL 101 or high school biology*

#### BIOL 152 General Biology II (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

This second-semester course deals with behavior, evolution, plant and animal diversity of life, plant biology, and introduction to ecology. There is a laboratory emphasis on plant and animal biology. *Prerequisite: BIOL 151*

#### BIOL 220 General Microbiology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

The fundamental principles and techniques of microbiology, with emphasis on the role of microorganisms in disease, immunity, and food production, are the focus of this course. *Prerequisite: CHEM 111 or CHEM 152*

#### BIOL 250 Human Anatomy (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

This is an intensive course in human anatomy using the systemic approach. Lab exercises utilize human cadaver dissections. *Prerequisite: BIOL 101 or high school biology*

#### BIOL 251 Human Physiology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

This course deals with how human organ systems function and maintain homeostasis. Laboratory exercises include biomedical instrumentation. *Prerequisite: BIOL 250, CHEM 111, or CHEM 151*

#### BIOL 280 Cell and Molecular Biology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS;

DISCUSSION/QUIZ, 1 HOUR

This course covers a theoretical approach to cellular and molecular biology including ultra structure, cytology, metabolism, and molecular genetics. Laboratory emphasis is given to electron microscopy, centrifugation, and DNA and protein electrophoresis. *Prerequisites: BIOL 220 and CHEM 251*

#### BIOL 300 Genetics (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

Principles of heredity including Mendelian, cytogenetics, population theory, human medical genetics and gene regulation, classical laboratory experimentation, and modern molecular biology techniques are covered. *Prerequisite: BIOL 280*

#### BIOL 320 Ecology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

This course provides an understanding of the relationship of plants and animals to their environment with particular consideration given to distribution, communities, and population analysis. *Meets general studies upper-division writing intensive course requirement. Prerequisite: BIOL 152*

#### BIOL 325 Humans and the Environment (4)

Through lecture and lab experience students will study the historical, biblical, and scientific aspects of the environment with particular emphasis on the impact of humans on God's world. Students explore a variety of environmental aspects related to economics, global studies, and missiology in individual studies/papers. *Meets general studies core requirement in Nature.*

#### BIOL 326 Neurobiology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

Students undertake a detailed study of the structure and function of animal nervous systems. Special emphasis is given to the anatomy and neurophysiology of reflexes, motor pathways, senses, and neurological diagnosis. This course is designed for students oriented toward the health sciences. *Prerequisite: BIOL 280*

#### BIOL 330 Gender Differences (3)

This course offers frank and factual coverage of human sexuality through labs, discussions, and lectures on birth control; sex and the law; fertilization, development, pregnancy, and childbirth;

diseases and dysfunctions; Christian ethics; sex and drugs; adult genital structure and function; and recent developments in the study of human sexuality. *Meets general studies elective requirement for Nature.*

#### BIOL 336 Vertebrate Biology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

A comprehensive survey of the natural history, anatomy, and systematics of vertebrate animals—fish, amphibians, reptiles, birds, and mammals. *Prerequisite: BIOL 152*

#### BIOL 340 Invertebrate Biology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

The classification, natural history, and functional morphology of invertebrate phyla are studied. *Prerequisite: BIOL 152*

#### BIOL 342 Medical Microbiology (3)

This lecture course emphasizes the importance of microbiology to medicine as well as to applied areas of science. The spectrum of infectious agents, host response, current diagnostic methodologies, and recent advances/problems in diagnosis and treatment are covered. *Prerequisite: BIOL 220*

#### BIOL 350 Animal Physiology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

This course offers an analysis of physiological mechanisms in animals with emphasis on the function of the organ level. There is laboratory emphasis on animal surgery, systems analysis, and electrophysiology. *Prerequisites: BIOL 280 and PHYC 201 (prerequisite or corequisite)*

#### BIOL 365 Plant Biology (4)

LECTURE, 3 HOURS; LAB, 4 HOURS

This course introduces botanical research topics including plant classification, genetics, structure and function, growth and development, and evolution and ecology. It integrates themes and processes of the California State Science framework. *Prerequisite(s): BIOL 101, or BIOL 151 and BIOL 152*

#### BIOL 370 Prosection (1)

Students are introduced to the human body through gross dissection and demonstration of selected portions of a human cadaver. This course requires 30 hours of laboratory.

*Prerequisite: instructor's consent*



**BIOL 380 Biochemistry I (3)**

LECTURE: 3 HOURS; LAB: 4 HOURS

Students gain a systematic and theoretical study of the biochemical activities of living cells in this course. It is an introduction to the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. *Prerequisite: CHEM 252*

**BIOL 381 Biochemistry II (3)**

LECTURE, 3 HOURS; LAB, 4 HOURS

This course is a continuation of BIOL 380 Biochemistry I. *Prerequisite: BIOL 380*

**BIOL 390 Premedical Practicum (1)**

This course provides credit for professionally supervised observation, demonstration, and study in a local medical, dental, or laboratory facility. Students are introduced to health care philosophies, hospital and patient routines, instrumentation/computer, and specific treatment practices. A case study and research paper may be required. This course requires 30 hours of observation. *Prerequisites: BIOL 220, CHEM 151, and the department chair's consent*

**BIOL 391 Medical Missions Practicum (1)**

LECTURE/DISCUSSION, 1 HOUR

A practicum experience for students preparing for a career in the medical/health-related sciences. Didactic medical-clinical instruction in first aid, assessment, and medical history is emphasized. Students gain practical field experience as "Team Luke" members with Mexico Outreach. *Prerequisite: BIOL 101, BIOL 151, or BIOL 250*

**BIOL 400 Science and Children (4)**

LECTURE, 3 HOURS; LAB, 3 HOURS

This course is designed for liberal studies majors interested in obtaining a Multiple-Subject Teaching Credential. It assists the student in developing knowledge and skill in science content for teaching science concepts and processes emphasized in the California State Science Framework, K-6. *Not applicable for biology majors.*

**BIOL 410 Biological Techniques (4)**

LECTURE, 2 HOURS; LAB, 6 HOURS

This techniques and modern instrumentation course provides the student with teaching and research-laboratory skills. Emphasis is given to molecular biology laboratory techniques. *Prerequisite: BIOL 280*

**BIOL 420 Topics in Advanced Physiology (3)**

LECTURE/DISCUSSION, 3 HOURS

This is an "umbrella-type" course and a vehicle for various topics within physiology to be offered. All address homeostatic regulation mechanisms, case studies of malfunctioning, and the basic mechanisms of normal functioning within body systems. *Prerequisites: advanced standing and instructor's permission*

**BIOL 435 Stewardship Ecology (3)**

The history of mankind's view of nature and the resulting treatment of nature that arise from such views are examined. The biblical approach known as stewardship ecology is developed and supported as a foundation for the student's approach to this field.

**BIOL 440 Developmental Biology (3)**

LECTURE/LAB/DISCUSSION, 3 HOURS

This is a study of the origin, morphology, and chemical control of developing germ layers, tissues, and systems of the body. *Prerequisite: BIOL 152*

**BIOL 445 Environmental Internship (2)**

LAB/DISCUSSION, 6 HOURS

Senior students are given the opportunity to apply academic knowledge to real-world situations through time spent working with various environmentally oriented organizations and businesses.

**BIOL 450 Histology (4)**

LECTURE, 3 HOURS; LAB, 4 HOURS

This course teaches the structure and function of animal tissues. Emphasis is on preparation and recognition techniques of cell and tissue structure. *Prerequisite: BIOL 280*

**BIOL 454 Electron Microscopy for Biological Sciences (2)**

This lecture course deals with theory and principles of various microscopy methods, with emphasis given to electron optics, specimen preparation, and operation of transmission and scanning electron microscopes and ultrastructure analysis. *Prerequisites: PHYC 201, PHYC 202, or instructor's consent*

**BIOL 455 Laboratory in Electron Microscopy (2)**

This companion course to BIOL 454 covers biological and medical specimen preparation techniques and basic photographic protocol. Current laboratory instrumentation, dealing with both scanning and transmission electron microscopy,

is emphasized. *Prerequisite or corequisite:*

*BIOL 280 or BIOL 454*

**BIOL 465 Clinical Research/Practicum in Applied Health (4)**

LECTURE/DISCUSSION, 2 HOURS; LAB, 6 HOURS

This is an honors-level course dealing with diagnosis strategies, prevention, and rehabilitation programs integral to the field of physical therapy and sports physiology. Study of research literature is emphasized so as to facilitate the student's development of the needed knowledge base, aptitudes, and skills within the applied health field. The clinical laboratory component emphasizes current instrumentation and practice. *Prerequisites: BIOL 251, BIOL 326, and PHYS 201, with PE 364 recommended*

**BIOL 490 Biology Seminar (1)**

This course consists of review and discussion of current periodical literature. Written and verbal presentations are required. *Prerequisites: advanced standing in biology and instructor's consent*

**BIOL 496 Senior Seminar: Ethics and the Sciences (3)**

This course covers the basics of worldviews, science, and ethics, while delving deeper into the details of various ethical perspectives and their implications for science. Specific areas of science are explored from a Christian ethics viewpoint through lectures, a thesis, and oral presentations. *Prerequisites: senior standing; completion of majority of major course work and general studies courses in God's Word and the Christian Response; and one of the following: BIOL 151, CHEM 151, PHYC 201, or PHYC 252*

**BIOL 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a university student of upper-division standing and a full-time professor.

**BIOL 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours' work with accompanying reading, log writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**Chemistry****CHEM 090 Laboratory Safety (0)**

Students are introduced to federal, state, and local regulations, material safety data suggestions, chemical hygiene plan, labels, equipment, spill response, proper handling and disposal of chemicals as related to an academic laboratory.

**CHEM 101 Introduction to Chemistry (4)**

This elementary course is designed for the student with no previous high school or college chemistry. *Meets the general studies core requirement in Nature and prepares the student for CHEM 111 or CHEM 201.*

**CHEM 105 Citizen Chemistry (4)**

This course is designed for nonscience majors and presents chemistry in its broad cultural, social, and economic context. The lectures and laboratories cover experiences that are of concern to students' everyday lives. *This course satisfies the general studies core requirement in Nature.*

**CHEM 111 Chemistry for the Health Sciences (3)**

LECTURE, 2 HOURS; LAB, 3 HOURS

This general chemistry course emphasizes aspects of chemistry important in health sciences, including pH, equilibrium, electrolytes, colloids, and an introduction to organic chemistry and biochemistry. *Meets general studies core requirement in Nature if CHEM 112 is also completed. Prerequisites: CHEM 101 or one year of high school chemistry with a grade of B or better, and MATH 110 or satisfactory placement on the math placement exam*

**CHEM 112 Biochemistry for the Health Sciences (1)**

This short biochemistry course covers the chemical reactions and physiological significance of cellular macro molecules. Emphasis is placed on the biological basis of pharmacology and pharmaco-therapeutics. *Meets general studies requirement in Nature if CHEM 111 is also completed. Prerequisite: CHEM 111; corequisite BIOL 251*

**CHEM 140 Introduction to Organic and Biochemistry (4)**

LECTURE, 3 HOURS; LAB, 3 HOURS

Students are introduced to the names, properties, and reactions of organic functional groups with applications to biochemical monomers and macromolecules. *Prerequisite: CHEM 152*

**CHEM 151 General Chemistry (4)**

LECTURES, 3 HOURS; LAB, 3 HOURS;  
DISCUSSION, 1 HOUR

This is a general course in the basic laws and concepts of modern chemistry and is the first of a two semester sequence. Topics include atomic structure, chemical bonding, thermochemistry, stoichiometry, chemical reactions, solution chemistry, nuclear chemistry, and the behavior of gases. *Meets the general studies core requirement in Nature. Prerequisite(s): one year of high school chemistry or CHEM 101 and two years of high school algebra or their equivalent*

**CHEM 152 General Chemistry II (4)**

LECTURE, 3 HOURS; LAB, 3 HOURS;  
DISCUSSION, 1 HOUR

This is a continuation of General Chemistry, CHEM 151 begun in the fall. Topics covered include solution chemistry, chemical kinetics, equilibrium, acid-base theory, thermodynamics, and electrochemistry. *Prerequisite: CHEM 151*

**CHEM 251 Organic Chemistry—Theory (4)**

This is a general course in the structure, nomenclature, reactions, properties, and theoretical synthesis of carbon compounds. The laboratory courses, CHEM 361 and CHEM 362, must be taken concurrently with CHEM 351 and CHEM 352, respectively. *Prerequisite: CHEM 152*

**CHEM 252 Organic Chemistry—Theory (4)**

This is a general course in the structure, nomenclature, reactions, properties, and theoretical synthesis of carbon compounds. The laboratory courses, CHEM 361 and CHEM 362, must be taken concurrently with CHEM 351 and CHEM 352, respectively. *Prerequisite: CHEM 152*

**CHEM 261 Organic Chemistry—Lab (1)**

Techniques of determining chemical and physical properties and synthesis of organic compounds are the focus of laboratory study. *These courses must be taken concurrently with CHEM 251 and CHEM 252, respectively.*

**CHEM 262 Organic Chemistry—Lab (1)**

Techniques of determining chemical and physical properties and synthesis of organic compounds are the focus of laboratory study. *These courses must be taken concurrently with CHEM 251 and CHEM 252, respectively.*

**CHEM 300 Quantitative Analysis—Theory (2)**

The theoretical basis of gravimetric and volumetric analyses are covered in this course. Topics include multiequilibria, acid-base equilibria, and redox reactions as applied to quantitative analysis. *Prerequisite: CHEM 152*

**CHEM 310 Quantitative Analysis—Laboratory (2)**

This is a laboratory course in the analysis of materials by the methods studied in CHEM 300. *Prerequisite or corequisite: CHEM 300*

**CHEM 320 Instrumental Analysis Theory (3)**

The theory and operation of modern analytical equipment are covered in this course, including electrochemical methods; UV-visible, infrared, and flame emission spectrophotometry; chromatographic methods; and others. *Meets general studies upper-division writing intensive course requirement. Prerequisites: CHEM 151 and CHEM 152*

**CHEM 330 Instrumental Analysis Lab (1)**

In this laboratory course, students analyze materials by the methods studied in CHEM 320. Meets general studies upper-division writing intensive course requirement. *Prerequisite or corequisite: CHEM 320*

**CHEM 380 Biochemistry (3)**

LECTURE: 3 HOURS; LAB: 4 HOURS

Students undertake a systematic and theoretical study of the biochemical activities of living cells. This is an introduction to the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. *Prerequisite: CHEM 352*

**CHEM 381 Biochemistry (3)**

LECTURE: 3 HOURS; LAB: 4 HOURS

Students undertake a systematic and theoretical study of the biochemical activities of living cells. This is an introduction to the structure, properties, and metabolism of proteins, carbohydrates, lipids, and nucleic acids. *Prerequisite: CHEM 352*

**CHEM 390 Physical Chemistry for the Life Sciences (3)**

The physical and chemical theories of thermodynamics, equilibria, kinetics, and spectroscopy are examined in the context of the chemical and physical properties of a living cell. *Prerequisite: CHEM 152*

**CHEM 401 Physical Chemistry I (4)**

The theoretical basis of classical thermodynamics is studied with applications to the gas, solid, and liquid states of matter and various systems of chemical interest. This course is followed by an introduction to chemical kinetics. *Prerequisites: CHEM 151 and MATH 252*

**CHEM 402 Physical Chemistry II (4)**

The study of chemical kinetics begun in CHEM 401 is continued. The theoretical basis of quantum mechanics is then covered with simple applications to a particle in a box, a harmonic oscillator, and a rigid rotor. Quantum mechanics is then applied to atomic and molecular systems. *Prerequisite: CHEM 152 and MATH 252*

**CHEM 412 Physical Measurements—Lab (1)**

Several experiments illustrating established theoretical principles in physical chemistry are performed. *Corequisite: CHEM 402*

**CHEM 451 Advanced Organic Chemistry (4)**

Chemical and physical properties of polyaromatics, heterocyclics, polymers, carbohydrates, lipids, and simple proteins are studied. Theories regarding organic reactions include molecular orbital theory, photochemistry, and kinetics that aid in the understanding of organic mechanisms. Mass spectrometry is extensively developed in application to organic molecules. *Prerequisite: CHEM 252*

**CHEM 490 Chemistry Seminar (1)**

The seminar consists of reviews, reports, and discussions on current scientific literature. *Prerequisite: senior standing in biochemistry or chemistry*

**CHEM 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a university student of upper-division standing and a full-time professor.

**CHEM 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours' work with accompanying reading, log writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

# Department of Computer Science

## Faculty

*Chair and Professor: Samuel E. Sambasivam, Ph.D.*

*Associate Professors: Gerald Boerner; Dick Eckhart, Ph.D.; Donald Johnson, Ph.D.; Wendel Scarbrough; Carol Stoker, Ph.D.*

*Assistant Professor: Peter Yoon, Ph.D.*

*Lecturers (part time): Jim Homer, Dick Stanford, Katherine West*

## Department Overview

The Department of Computer Science offers a Bachelor of Science in Computer Science, a Bachelor of Arts in Computer Information Systems, a Master of Science in Applied Computer Science and Technology with seven areas of specialization, and an undergraduate minor in computer science, and provides the curriculum and instruction for degree completion of the Bachelor of Science in Computer Information Systems. The department also provides several support courses for other majors (especially mathematics, education, chemistry, and physics), as well as computer literacy courses for all students. A Bachelor of Arts degree and a Master of Arts in Computer Animation and Graphics Design is planned for implementation in the near future. These degrees will be offered jointly by the Departments of Art and Computer Science.

## Computer Science

### Introduction

Computer science, like engineering disciplines, is an “artificial science” which deals with “how things ought to be.” This is different from mathematics and other natural sciences which are concerned with “how things are.” Computer science is concerned with design and synthesis more than it is with analysis and deduction (as are physics, chemistry, mathematics, and biology).

With a large faculty of competent and dedicated teachers, small classes, excellent computer labs, and current and relevant software, computer science at Azusa Pacific University is challenging, professional, and intellectually stimulating, and provides a gateway to many exciting careers.

This major offers a solid foundation in computer science and is directly applicable to current problems in society and industry.

The Bachelor of Science in Computer Science at Azusa Pacific University prepares students for graduate work in computer science or for careers in fields such as computer programming or software engineering.

The computer science major covers the following topics:

1. All functional levels of computing, from applications to microcode
2. Programming theory and practice (five or more languages)
3. Software engineering: principles, procedures, techniques, and applications
4. Logical digital design
5. Computer architecture
6. Telecommunications

### Department Resources

The department operates four computer science laboratories on the Azusa Pacific campus: the computer engineering laboratory, the telecommunications laboratory, the advanced technologies laboratory, and the computer science laboratory. Computer science majors may also utilize the Academic Computer Center.

Although the university provides extensive computer lab facilities for student use, each student is encouraged to purchase a personal computer (PC). Students with their own IBM compatible PC have a

definite advantage in utilizing and applying computer science instruction.

A candidate for the Bachelor of Science in Computer Science is required to take several mathematics courses. (Only two additional mathematics courses are needed to complete a minor in mathematics.)

Students who plan to pursue an advanced degree in computer science should review their program of studies with their advisor as soon as possible.

### Career Opportunities

The bachelor's degree in computer science prepares the graduate for advanced studies in such fields as computer science, computer engineering, software engineering, and telecommunications. Because of the rapidly changing technical and scientific technology in computer science, students are encouraged to enter a graduate program soon after completing a bachelor's degree.

The Azusa Pacific University Computer Science Program also opens career opportunities for those who choose not to pursue a graduate degree immediately following graduation. Because of the phenomenal growth of computer science and technology related industries, the job market remains strong. Employment opportunities include a career as a systems programmer, software engineer, scientific programmer, telecommunications specialist, high school computer science and mathematics teacher, and other computing fields. Missionary and other Christian organizations need computer science graduates for their increasingly complex applications, such as Bible translation work as well as administrative, financial, fundraising, and technical support activities. Job opportunities are not limited geographically but are available globally.

<b>Computer Courses for General Credit</b> (not required for the computer science major or minor)		
CS 120	Computer Literacy	3
CS 205	Microcomputer Software Tools	3
CS 210	Microcomputer Programming	3

### Requirements for the Computer Science Major **61 units**

In addition to the general studies requirements, a minimum of 48 computer science units and 13 mathematics units (for a total of 61 units) are required for the Bachelor of Science in Computer Science.

To be successful in this major, knowledge of operating systems, word processing, spreadsheets, and database applications is necessary. Students who do not have this background must take CS 205 Microcomputer Software Tools. CS 250 Operating Systems is also recommended.

<b>Computer Science Requirements</b> <b>39 units</b>		
CS 220	Introduction to Computer Science	4
CS 225	Fundamentals of Computer Science	4
CS 320	Data Structures	3
CS 325	Database Management Systems	3
CS 330	Systems Programming I	3
CS 340	Systems Programming II	3
CS 370	Applied Digital Logic	4
CS 420	Telecommunications and Interfacing	3
CS 440	Computer Organization	3
CS 450	Numerical Analysis	3
CS 470	Software Engineering I	3
CS 480	Software Engineering II	3

<b>Upper-Division Computer Science Electives</b> <b>select 9 units</b>		
CS 310	Computer-Aided Language Translation	3
CS 350	Ada Language Programming	3
CS 380	Scientific Programming, FORTRAN	3
CS 405	Research and Statistical Analysis Using SPSS	3
CS 425	Fundamentals of Network Administration	3
CS 430	Artificial Intelligence	3
CS 435	Advanced Database Applications Programming	3
CS 460	Software Project	3
CS 496	Senior Seminar: Ethics in Computer Science	3
CS 497 or 498	Research and Independent Study	1-4

Seniors in good standing may take two graduate courses as electives.

<b>Mathematics Requirements</b> <b>13 units</b>		
MATH 251	Calculus I	5
MATH 252	Calculus II	5
MATH 310	Discrete Mathematics	3

### Requirements for the Computer Science Minor **24 units**

CS 220	Introduction to Computer Science	4
CS 225	Fundamentals of Computer Science	4
MATH 151	Applied Calculus	3
Upper-Division Computer Science Courses		13

\*Computer science electives include any other division CS courses numbered CS 300 or above.

## Computer Information Systems

### Introduction

The Bachelor of Arts in Computer Information Systems (CIS) provides an educational foundation for students planning a career in the analysis, design, and implementation of information systems. Students are prepared for careers as programmers, systems analysts, application software developers, and technology specialists. Students who have a strong interest in technology and its application, but are not primarily interested in the scientific and mathematical aspects of computer science should find this program a good fit.

Information systems (IS) is the study of the application of computer technology in organizations. It is founded on two major reference disciplines, computer science and management. Unlike computer science students, IS undergraduates must complete some accounting and finance course work. IS involves no course work in engineering or scientific computing, and the mathematics is practical and applied. Traditionally, the IS undergraduate curriculum has been divided into two sections: MIS, where the emphasis has been on managing information systems (the business side of IS), and CIS where the emphasis has been on the application of computer technology to information systems.

### Career Opportunities

While students preparing for careers in scientific computing or planning to transfer to other computer science graduate programs will still be best served by the undergraduate CS degree, students whose career plans will take them into the business world or the ministry, or onto the mission field as technology enablers will benefit from a

degree that allows them a greater focus on technology. Students successfully completing this program will also be qualified to enter APU's Master of Science in Applied Computer Science and Technology Degree Program. Unlike many theoretical computer science programs, APU's program prepares students to function at a professional level using computer technology.

### Requirements for the Computer Information Systems Major **57 units**

#### Computer Science Requirements **35 units**

CS 205	Microcomputer Software Tools	4
CS 220	Introduction to Computer Science	4
CS 225	Fundamentals of Computer Science	3
CS 250	Operating Systems	3
CS 320	Database Structures	3
CS 325	Database Management Systems	3
CS 330	Systems Programming I (C++)	3
CS 420	Telecommunications and Interfacing	3
CS 435	Advanced Database Applications Programming	3
CS 470	Software Engineering I	3
CS 480	Software Engineering II	3

#### Computer Science Electives **9 units**

<b>Math Requirements</b> <b>6 units</b>		
MATH 151	Applied Calculus	3
MATH 310	Discrete Mathematics	3

#### Other Requirements **7 units**

BUSI 120	Principles of Accounting	4
BUSI 340	Principles of Organization and Management	3

## Course Descriptions

### CS 120 Computer Literacy (3)

This PC-based course teaches the student what a computer is and how to use it, with a brief introduction to microcomputer programming. Other applications are taught hands-on, using word processing, spreadsheet analysis, and database application programs. This course includes a strong emphasis on the vocabulary and concepts necessary to understand the use and technology of computers. It may be used as a general elective, but does not apply as an elective toward the computer science major or minor. However, it is strongly recommended as a general elective for students who do not already possess computer skills.

### CS 205 Microcomputer Software Tools (3)

This PC-based course covers the basics of MS Windows and DOS and the use of applications software as problem-solving tools. In-depth coverage of popular word processing, database, and spreadsheet packages is included.

### CS 210 Microcomputer Programming (3)

This is a general, but rigorous, course in personal computer programming for any student interested in learning this skill. Topics covered include operating systems, commands and utilities, BASIC language syntax and constructs, techniques and principles of writing quality computer programs, graphics, interactive programming, arrays, files, string manipulation, and other applications. This course is recommended as a general elective for science, mathematics, and computer science majors.

### CS 220 Introduction to Computer Science (4)

Students are introduced to object-oriented programming, with a strong emphasis on problem solving, design and analysis of algorithms, and programming principles. Principles of object-oriented and structured programming, problem analysis, and documentation are also covered. An object-oriented language is used, and a lab required. Students complete a number of programming projects. *Prerequisite: prior computer experience, CS 205, or department permission*

### CS 225 Fundamentals of Computer Science (4)

This course is a continuation of object-oriented programming and other topics from CS 220. It also provides an introduction to the general architecture of computers and elementary data structures. Problem analysis, program design, development and implementation, and related topics are covered. A lab is required. Students complete a number of programming projects. *Prerequisite: CS 220, knowledge of C++, or department permission*

### CS 250 Operating Systems (3)

This course provides an introduction to the basic functions of modern operating systems. These include multi-tasking, process synchronization, deadlocks, memory management, virtual memory, file systems, protection, and security. The course also includes a comparative analysis of several popular operating systems such as Windows 95, Windows NT, OS/2, and UNIX. *Prerequisite: CS 225*

### CS 310 Computer-Aided Language Translation (3)

This course includes an analysis of lexographics, word processors, and available computer language translators. Students develop skills in the use of a professional word processing system. Language translation projects and case studies are included. *Prerequisite: CS 225 or department permission*

### CS 320 Data Structures (3)

This course provides a study of algorithms and their related data structures, including linear lists, linked lists, trees, graphs, sorting techniques, and dynamic storage allocation. Applications are implemented using an appropriate computer language. *Prerequisite: CS 225*

### CS 325 Database Management Systems (3)

Students learn about database concepts, relational and nonrelational database systems, database environment, theory, and applications. The design, development, and implementation of database systems are included. A practical database project is developed by students utilizing a popular database development system. Students generate user interfaces and reports. *Prerequisite: CS 225 or department permission*

### CS 330 Systems Programming I (3)

This course provides an in-depth study of programming using appropriate computer languages. Applications include systems programming problems. *Prerequisite(s): CS 225 and knowledge of C++, or department permission*

### CS 340 Systems Programming II (3)

This programming class includes the architecture and organization of microcomputer systems, fundamentals of assemblers, DOS interrupt-based assembly language programming, and advanced topics in MS-DOS on the Intel 80X86 family of microprocessors. Students are required to write several programs which are assembled and run on Intel 80X86 based microcomputers. Students become proficient at keyboard, screen, and disk I/O as well as character manipulation and screen graphics. *Prerequisite: CS 225 or department permission*

### CS 350 Ada Programming Language (3)

In this course, students study paradigms programming using the Ada programming language. Business and scientific applications are created. *Prerequisite: CS 225 or department permission*

### CS 370 Applied Digital Logic (4)

This course provides a study of Boolean algebra and propositional logic with applications to digital system design, state machine methods, and the study of microprocessors and other digital devices. One semester of physics is recommended. *Prerequisite: CS 225 or department permission*

### CS 380 Scientific Programming, FORTRAN (3)

Program analysis and development, debugging, testing, and documentation using structured scientific programming techniques are the focus of this course, along with a study of the way different data types (reals, integers, arrays, characters) are stored in digital computers. Applications are programmed and executed using FORTRAN. *Prerequisite: calculus or department permission*

### CS 405 Research and Statistical Analysis Using SPSS (3)

This course covers the use of a statistical package (SPSS for Windows) as a tool for research. It includes design of research projects, preparation of data collection procedures and forms (to

viably interface with SPSS input routines), and design and creation of data files for analysis of research. Instruction includes the selection, application, and effective use of appropriate statistical analyses (inferential and descriptive) from SPSS in a variety of research situations. *Prerequisite: a basic statistics course or department permission*

### CS 420 Telecommunications and Interfacing (3)

The principles, protocols, methods, and standards of telecommunications, voice and data communication concepts, networking fundamentals, system configuration, and state-of-the-art practical technology are covered in this course, which includes some hands-on training. *Prerequisite: CS 330, CS 340, or department permission*

### CS 425 Fundamentals of Network Administration (3)

This course provides an introduction to the three key network management issues: cost analysis, security, and administration. Case studies and laboratory exercises supplement the lecture material. *Prerequisite: CS 420 or department permission*

### CS 430 Artificial Intelligence (3)

Principles of artificial intelligence, study, design, and application of computer systems that model human intelligence are the focus of this course. It includes instruction in one or more artificial intelligence computer programming language (LISP and Prolog) expert systems, recursion, natural language processing, and search techniques. Students write several programs and a complete project. *Prerequisite: CS 225*

### CS 435 Advanced Database Application Programming (3)

This course examines advanced concepts used in the development of information system products. Topics include advanced database programming, embedded database commands in high-level languages, and expert system designed user interface concepts. Pertinent current topics in information system development are also included. The course includes a major team project which is implemented and tested during the semester. *Prerequisites: CS 325 and CS 330*

**CS 440 Computer Organization (3)**

This course presents the way different computer components and peripheral devices function and interrelate. Addressing methods, program sequencing, instruction sets, memory organization, computer arithmetic, and microprocessors are included. Design concepts are illustrated by state-of-the-art computer systems. This course includes an introduction to assembly language programming. *Prerequisite: CS 225 or department permission*

**CS 450 Numerical Analysis (3)**

Approximation methods and their applications to computers are covered, including error analysis, zeros of functions, systems of equations, numerical integration, and differentiation. Applications are programmed using an appropriate language. *Prerequisites: calculus and programming skills*

**CS 460 Software Project (3)**

The student completes an independent project in the development of a nontrivial software system for an application of the student's choice. *Prerequisite: CS 480 or department permission*

**CS 470 Software Engineering I (3)**

This course includes a study of the concepts, principles, techniques, methods, procedures, and documents of software engineering. Emphasis is placed on systematic approaches to software engineering and the software life cycle. Each student participates in a major team project. *Prerequisite: at least 30 units of computer science or department permission*

**CS 480 Software Engineering II (3)**

Further study of the concepts, principles, techniques, methods, procedures, and documents of software engineering is provided by this course. The emphasis is on systematic approaches to software engineering and software lifecycle. Each student participates in a major team project. *Prerequisite: at least 30 hours of computer science or department permission*

**CS 496 Senior Seminar:  
Ethics in Computer Science (3)**

This seminar provides a study of ethics, social and moral implications of computing, and various relevant aspects of computer science. *Meets the general studies requirement as a senior seminar in God's Word and the Christian*

*Response. Prerequisites: senior standing, completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

**CS 497 Readings (1-4)**

Consists of a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**CS 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**CS 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, electronic media, annotated recital, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of Communication Studies

## Faculty

*Chair and Professor: David C. Bicker, Ph.D.*

*Professors: Roxane Lulofs, Ph.D.;  
Ray McCormick, Ph.D.*

*Associate Professor: Kevin T. Jones, Ph.D.*

*Assistant Professors: Monica Ganas, Ph.D.;  
Phil Nash, M.A.*

*Lecturers: Marcia Berry, John Pate,  
Candace Ramirez*

## Department Overview

The student majoring in communication studies may concentrate in drama, journalism, mass media, or applied communication. Each area of concentration performs a unique role in preparing students who can:

- Apply the basic concepts of communication theory and research to their life work.
- Incorporate individual and group communication styles that relate to the achievement of their personal and professional goals.
- Utilize appropriate communication skills for solving problems, making decisions, managing conflict, executing change strategies, and promoting the intellectual, spiritual, and emotional growth of those with whom they live and work.
- Understand the moral and ethical implications of the communicator's responsibilities in the construction of social worlds.

## Career Opportunities

In order to enhance their career opportunities, every student is required to complete a three-unit communication internship prior to graduation. Graduates enter vocations in public relations, advertising, human resource management, media, research, ministry, publishing, journalism, consulting, sales, film and television production, government, law, and politics. Some teach or go on for graduate or professional study.

## Requirements for the Communication Studies Major

45 units

All courses taken in the major must be completed with a grade of C or better.

### Lower-Division Core Requirements

12 units

COMM 111 Public Communication <sup>^</sup>	3
COMM 112 Oral Interpretation	3
— or —	
COMM 113 Acting Fundamentals I	3
— or —	
COMM 115 Essentials of Argumentation and Debate	3
COMM 200 Introduction to Mass Communication	3
COMM 201 Introduction to Communication Studies	3
COMM 210 Introduction to Journalism	3

### Upper-Division Core Requirements

15 units

COMM 300 Research Methods in Communication	3
COMM 302 Rhetorical Theory	3
COMM 303 Communication Theory	3
COMM 320 Interpersonal Communication	3
COMM 490 Communication Internship <sup>***</sup>	3

### Areas of Concentration

15 units

Choose from the following:

#### Journalism

15 units

COMM 305 Media Law and Ethics	3
COMM 311 Editing	3
COMM 314 Student Publication Workshop <sup>**</sup>	3
COMM 410 Advanced Journalistic Writing <sup>^</sup>	3
COMM 450 Public Relations	3

#### Media Studies

15 units

COMM 360 Studies in Pop Culture	3
— or —	
COMM 495 Special Topics: Film and Culture	3

COMM 375 Writing for Radio, TV, and Film	3
COMM 460 TV/Video Production	3
COMM 461 Radio and Sound Production	3
COMM 475 Media Ministries	3
— or —	
COMM 414 Studio Broadcasting Workshop	1-3

### Applied Communication

15 units

(select at least four of the following six courses plus one more upper-division elective)

COMM 330 Small-Group Communication	3
COMM 340 Advanced Argumentation	3
COMM 420 Conflict Management <sup>^</sup>	3
COMM 430 Organizational Communication	3
COMM 440 Persuasion and Attitude Change	3
COMM 450 Public Relations	3

### Communication Education (English Concentration)\*

15 units

ENGL 344 American Literature to 1865 <sup>^</sup>	3
— or —	
ENGL 354 American Literature since 1865 <sup>^</sup>	3
ENGL 377 Shakespeare <sup>^</sup>	3
ENGL 402 Principles of Language	3
ENGL 404 Approaches to Grammar	3
ENGL 406 Composition: Pedagogy, Theory, and Practice <sup>^</sup>	3

\*This concentration is also required for the English Teaching Credential Waiver Program and has an additional 15 units that do not count toward the major: ENGL 222 English Literature Survey to 1789; ENGL 232 English Literature Survey since 1789; ENGL 455 American English Language History; ENGL 480 Contemporary Literary Criticism; and ENGL 324 World Literature to the Renaissance or ENGL 334 World Literature since the Renaissance.

\*\*COMM 314 may be taken up to six times (1 unit per semester), but only three units count toward the major.

\*\*\*The course may be repeated, but only three units may be counted toward the major.

<sup>^</sup>Meets a general studies requirement.

### Drama

15 units

Take both COMM 112 and COMM 113.	
COMM 313 Intermediate Acting	3
COMM 316 Theater Production	3
COMM 325 History of Theater <sup>^</sup>	3
COMM 413 Advanced Acting	3
COMM 491 Classroom Practicum: The Show	1-3
— or —	
COMM 497 Special Topics: Drama Ministry	1-3
— or —	
COMM 497 Special Topics: Directing	3

### Requirements for the Communication Studies Minor

24 units

#### Lower-Division Core Requirements

12 units

COMM 112 Oral Interpretation	3
— or —	
COMM 113 Acting Fundamentals I	3
— or —	
COMM 115 Essentials of Argumentation and Debate	3
COMM 200 Introduction to Mass Communication	3
COMM 201 Introduction to Communication Studies	3
COMM 210 Introduction to Journalism	3

#### Upper-Division Core Requirements

12 units

One of the following:	
COMM 302 Rhetorical Theory	3
COMM 303 Communication Theory	3
One of the following:	
COMM 305 Media Law and Ethics	3
COMM 410 Advanced Journalistic Writing <sup>^</sup>	3
COMM 450 Public Relations	3
COMM 498 Communication Internship	1-3

One of the following:

COMM 320 Interpersonal Communication	3
COMM 330 Small-Group Communication	3
COMM 430 Organizational Communication	3
COMM 440 Persuasion and Attitude Change	3
COMM 497 Special Topics in Communication	3
COMM 420 Conflict Management <sup>^</sup>	3
COMM 499 Readings in Communication	1-4

One additional upper-division course 3 units

### Requirements for the Drama Minor

24 units

COMM 112 Oral Interpretation	3
COMM 113 Acting Fundamentals I	3
COMM 200 Introduction to Mass Communication	3
COMM 201 Introduction to Communication Studies	3
COMM 313 Intermediate Acting	3
COMM 316 Theater Production	3
COMM 325 History of Theater <sup>^</sup>	3
COMM 413 Advanced Acting	3
— or —	
COMM 497 Special Topics: Drama Ministry	1-3

<sup>^</sup>Meets a general studies requirement.

Any student participating in Department of Communication Studies cocurricular activities (forensics, theater, media production) must maintain a 2.5 cumulative grade-point average.



## Course Descriptions

### COMM 111 Public Communication (3)

This course offers practical instruction in how to speak effectively and introduces the basic principles underlying effective communication. Topics range from the study of theoretical models of interpersonal and public communication to the fundamental skills of research, organization, and delivery of informative and persuasive discourse. *Meets the general studies requirement for University Skills.*

### COMM 112 Oral Interpretation (3)

This course introduces the student to the theory and practice of communicative reading. The basic literary forms of prose, poetry, and drama are analyzed for purposes of oral performance.

### COMM 113 Acting Fundamentals (3)

This introductory workshop covers acting techniques and styles, emphasizing voice, movement, and interpretation. Monologues, mimes, and scenes from plays are presented in class.

### COMM 114 Student Publication Workshop (1)

This workshop allows students with earned credit in newspaper and yearbook courses to continue to develop skills and contribute to the production of either publication. This course may be repeated three times for credit toward the communication major and up to six times total. *Prerequisite: COMM 210 or instructor's permission*

### COMM 115 Essentials of Argumentation and Debate (3)

This course provides an understanding of academic debating. Emphasis is placed on elements of reasoned discourse such as emotional, logical, and ethical arguments as well as principles of sound preparation, including effective research, organization, and debating strategy.

### COMM 116 Intercollegiate Forensics (1-3)

Students participate in directed activity in debate and/or individual events, including platform speaking, limited prep events, and the oral interpretation of literature. Participation in intercollegiate speech competition is required. May be repeated for up to six credits, but only three count toward the major.

### COMM 200 Introduction to Mass Communication (3)

This course provides a study of the forms, content, environments, and strategies of the mass media (newspaper, magazine, radio, television, film, etc.). Emphasis is given to an historical and critical understanding of media structures and functions.

### COMM 201 Introduction to Communication Studies (3)

This introductory course exposes students to the main areas of scholarship and research within the field of communication. Students are introduced to the fundamental issues and concerns involved in the study of rhetorical and communication theory and given an orientation necessary for future study. Emphasis is placed on approaches to communications employed within the field, current developments in scholarship, and the development of proper research techniques.

### COMM 210 Introduction to Journalism (3)

This course allows students to practice the basics of newspaper reporting. The focus is on techniques of researching and writing hard news stories and features.

### COMM 213 Introduction to Theater (3)

This course is designed to allow the student exposure to all aspects of producing theater, including an historical overview, make-up, costuming, publicity, house management, ticket sales, props, set design, set decoration, painting, sound, lighting, acting, and other aspects that have to do with producing the show.

### COMM 300 Research Methods in Communication (3)

This course introduces students to the research process. It examines how research is planned and designed, explores both quantitative and qualitative methods, introduces students to processes of data collection and analysis, and gives them experience in conducting original research. *Prerequisite: COMM 201*

### COMM 302 Rhetorical Theory (3)

This course provides a survey of historical and contemporary rhetorical theories beginning with the Greek classical period. Attention is given to the critical and theoretical analysis of human discourse in modern society. *Prerequisite: COMM 201*

### COMM 303 Communication Theory (3)

Basic theories and concepts associated with human communication are the focus of this course, which reviews research and theoretical positions on interpersonal, intrapersonal, small-group, and nonverbal and intercultural communication. *Prerequisite: COMM 201*

### COMM 305 Media Law and Ethics (3)

This advanced course analyzes past and recent interpretations of freedom of expression as argued in state and federal courts and other forums. Issues of concern include libel, right to privacy, information gathering, protection of sources and state secrets, the FCC and FTC, obscenity, and propaganda. The struggle of the press to maintain its role in this democratic society is emphasized. *Prerequisite: COMM 200*

### COMM 311 Editing (3)

This course examines the question, "What does it mean to be an editor?" Emphasis is placed on copy editing, news and editorial writing, and layout and design. The course also examines some ethical and legal issues editors face. *Prerequisite: COMM 210 or instructor's permission*

### COMM 313 Intermediate Acting (3)

This intermediate acting course allows more performing opportunities within the classroom and outside. It includes continuation of study in character development through improvisation, script writing, and dialogue, as well as evaluation through play observation and script reading. *Prerequisite: COMM 113 or instructor's permission*

### COMM 314 Student Publication Workshop (1)

This workshop allows students with earned credit in newspaper and yearbook courses to continue to develop skills and contribute to the production of either publication. This course may be repeated three times for credit toward the communication major and up to six times total. *Prerequisite: COMM 210 or instructor's permission*

### COMM 315 Intercollegiate Forensics (1-3)

Students participate in directed activity in debate and/or individual events, including platform speaking, limited prep events, and the oral interpretation of literature. Participation in inter-

collegiate speech competition is required. May be repeated for up to six credits, but only three count toward the major. *Prerequisite: instructor's permission*

### COMM 316 Theater Production (3)

This course is designed for the creation and execution of full-length theatrical presentations, for either on- or off-stage involvement, and includes character development and rehearsal, assistant direction, production coordination, set design and construction, costumes, publicity, house management, makeup, etc. The class may be repeated for a total of six units.

### COMM 320 Interpersonal Communication (3)

This course offers an in-depth analysis of dyadic interaction. Initial and developing relational sequences are highlighted. Such topics as self-disclosure, intimacy, trust, and interpersonal influence are discussed. Current developments in theory and research in the area of interpersonal communication are also stressed. *Prerequisite: junior/senior standing required*

### COMM 325 History of Theater (3)

A comprehensive, multicultural overview of the history of theatrical productions is offered. Current theatrical productions are attended. Theatrical productions are examined in a multidisciplinary approach. *Meets general studies elective requirement for Aesthetics and the Creative Arts.*

### COMM 330 Small-Group Communication (3)

This course provides the student with both a theoretical and active acquaintance with group participation and leadership. The effectiveness of group discussion is examined through the concepts of leadership emergence, norms and roles, cohesiveness, interaction conformity, conflict, listening, and group structure. *Meets the general studies elective requirement for Identity and Relationships.*

### COMM 340 Advanced Argumentation (3)

This course analyzes argumentation techniques used in both formal and informal settings. Its focus includes understanding and defining argument, discovering argument in the personal community, the social community, and in non-traditional places. *Prerequisite: COMM 115 or instructor's permission*

**COMM 360 Studies in Popular Culture (3)**

This course carefully examines pop cultural forms, institutions, rituals, artifacts, icons, communication practices, thought patterns, worldviews, value systems, and ideologies possibly created thereby. Topics range from the private and public experiences of pop culture in movies, television, and recordings to fast food, automobiles, and blue jeans, along with their relationship to wider cultural contexts and Christian faith.

**COMM 375 Writing for Television, Radio, and Film (3)**

This course emphasizes the analysis and writing of film screenplays, television scripts, and radio copy. It acts as a workshop for story and program planning and scripting in several informative, persuasive, and entertaining genres from documentary to situation comedy, and for learning creative, redemptive approaches to acceptable, marketable, and effective media formats and presentations.

**COMM 410 Advanced Journalistic Writing (3)**

This advanced course gives the student a variety of journalistic writing experiences: investigative reporting, feature articles, editorials, and critical reviews. *Meets general studies upper-division writing intensive course requirement.*

**COMM 413 Advanced Acting (3)****COMM 420 Conflict Management (3)**

Students examine the process of communication within conflict situations. The course analyzes conflict on intrapersonal, interpersonal, group, and organizational levels. *Meets general studies elective for Identity and Relationships and upper-division writing intensive course requirement. Prerequisite: junior/senior standing required*

**COMM 430 Organizational Communication (3)**

The nature and process of communication in modern organizations are examined, including the pragmatic implications of organizational communication theories as they relate to understanding organizations and implementing change strategies. Attention is also given to applied business communication such as interviewing, personnel relations, and negotiation.

**COMM 440 Persuasion and Attitude Change (3)**

This course examines the basic theories and techniques of influence, providing the student with a critical awareness of the nature, function, and scope of persuasion. The class covers such concepts as attitudes, credibility, resistance to persuasion, ethics, logic and argumentation, and propaganda.

**COMM 450 Public Relations (3)**

Communication principles and theories are applied to the field of public relations. Emphasis is placed on developing successful approaches to establishing and maintaining mutual understanding between organizations and their publics through successful two-way communication.

*Prerequisite: junior standing*

**COMM 460 Video and Television Production (3)**

This course provides basic instruction and practical experience in the preparation, direction, production, and editing of video (cinematic) and television materials. In addition to acquiring general knowledge and aptitude in these areas, students should develop a greater capacity for teamwork and relationships, planning skills, and the ability to operate under the pressure and deadlines of media production. The course includes studio and field production, audience analysis, budgeting, camerawork, lighting techniques, talent use, and crew management.

**COMM 461 Radio and Sound Production (3)**

This course provides basic instruction and practical experience in the preparation, direction, production and editing of materials for radio and sound tracks. In addition to acquiring general knowledge and aptitude in these areas, student should develop a greater capacity for team work and relationships, planning skills and the ability to operate under pressures and deadlines of media production, audience analysis, budgeting, audio techniques, talent use and crew management. *Corequisite: COMM 375 or instructor's permission*

**COMM 475 Media Ministries (3)**

This is a service-learning course meant to apply the student's knowledge of media studies in service to the community. Students review television writing and production by producing a program

for the local community, and develop their understanding of media literacy through reading, discussion, and written reflection. They then teach the basics of media literacy and production to younger students in the community and assist them in producing their own program. Throughout the course, students brainstorm and record creative, redemptive media uses and possible future projects. *Prerequisite: COMM 200, 360, 375; 460 strongly recommended*

**COMM 490 Communication Internship (1-3)**

This course provides an opportunity for directed experiences in applying the principles and skills of communication theory while performing specific tasks. Internships are arranged individually for the participants and supervised directly by the instructor. Tasks may include career training and group leadership. Enrollment is contingent upon department approval.

**COMM 491 Classroom Practicum (1-3)**

This course gives students practical experience in classroom teaching and tutoring. The students assist in classroom duties as well as complete assignments related to the development of a communication perspective. *Prerequisite: instructor's permission*

**COMM 495 Special Topics in Communication (3)**

This course allows occasional offerings of diverse topics in communication not covered by regular department courses. Performance areas, trends in the field of communication study, or special interests of faculty and students may be targeted under this category. Media, politics, and gender are examples of subject topics, and drama and forensics are performance areas covered in this course.

**COMM 496 Senior Seminar: Ethics in Human Communication (3)**

This seminar in ethics and communication helps students understand the ethical dilemmas faced by communicators in a variety of situations. Through the examination of various communication theories, students come to understand

the powerful ways in which communications defines, creates, maintains, and/or changes social reality and understand the ethical implications involved in each of these communication functions. *Meets the general studies requirement as a senior seminar in God's Word and the Christian Response. Prerequisites: senior standing, completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

**COMM 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**COMM 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**COMM 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, electronic media, annotated recital, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of English

## Faculty

*Chair and Professor: James Hedges, Ph.D.*

*Professors: Joseph Bentz, Ph.D.; Ralph Carlson, Ph.D.; Carole Lambert, Ph.D.*

*Associate Professors: David Esselstrom, Ph.D.; Diana Glycer, Ph.D.*

*Assistant Professors: Andrea Ivanov Craig, Ph.D.; Emily Griesinger, Ph.D.*

*Lecturers: Laurie Camp; Carla McGill, Ph.D.; Paula Miller; Candace Ramirez*

## Department Overview

English is a fundamental liberal art at a university such as Azusa Pacific. The following four objectives demonstrate the centrality of English to the curriculum: the program certifies the writing skills of all students to be collegiate level and enhances those skills involving research, personal, and creative expression, and expository and argumentative modes; provides literature courses that contribute to the cultural experience of students and enriches their enjoyment of literature as an avenue to truth and social comment as well as self-expression; offers a balanced selection of courses in writing and literature for students majoring in English, so their breadth of reading and literary analysis includes the best world literature and the development of critical skills currently practiced by the finest literary critics; and satisfies professional needs, especially of prospective teachers, who must include in their major the following courses: ENGL 324 or ENGL 334, ENGL 344 or ENGL 354, ENGL 377, ENGL 402, ENGL 404, ENGL 405, ENGL 406, and ENGL 480.

## Career Opportunities

Teaching is still a strong interest of many English majors, but equally valid are career goals in ministry, law, business, medicine, and government services. Communication areas such as advertising, technical writing, editing, publishing, library science, or any field that requires clarity of written expression and the ability to analyze and organize effective responses are valid career opportu-

nities. English majors are encouraged to double major or at least minor in a complementary field, such as business, religion, psychology, or communication, so their language skills can be applied to a different field of professional employment.

## Requirements for the English Major 39 units

### Lower-Division Core Requirements 12 units

ENGL 110	Freshman Writing Seminar^	3
ENGL 111	Introduction to Literature^	3
ENGL 222	English Literature Survey to 1789	3
ENGL 232	English Literature Survey since 1789	3

### Upper-Division English Courses 27 units

## Single-Subject Waiver Program for Secondary English Teaching 54 units

All students who intend to teach English in a secondary school in California must complete the following approved courses:

### General Studies 9 units

ENGL 110	Freshman Writing Seminar^	3
ENGL 111	Introduction to Literature^	3
COMM 110	Public Communication^	3

### Lower-Division Core Courses 6 units

ENGL 222	English Literature Survey to 1789	3
ENGL 232	English Literature Survey since 1789	3

### Upper-Division Core Requirements 24 units

ENGL 324	World Literature to the Renaissance^	3
	— or —	
ENGL 334	World Literature since the Renaissance^	3
ENGL 344	American Literature to 1865^	3
	— or —	
ENGL 354	American Literature since 1865^	3

ENGL 377	Shakespeare^	3
ENGL 402	Principles of Language	3
ENGL 404	Approaches to Grammar	3
ENGL 405	American English Language History	3
ENGL 406	Composition: Pedagogy, Theory, and Practice^	3
ENGL 480	Contemporary Literary Criticism	3

### Upper-Division Breadth Requirements select 3 units

ENGL 301	Advanced Writing	3
	— or —	
ENGL 485	Modern Poetry	3
	— or —	
COMM 410	Advanced Journalistic Writing^	3

### select 3 units

COMM 112	Oral Interpretation	3
	— or —	
COMM 113	Acting Fundamentals	3
	— or —	
COMM 115	Essentials of Argumentation and Debate	3
	— or —	
COMM 200	Understanding Mass Communication	3
	— or —	
COMM 210	Introduction to Journalism	3

### Upper-Division English Courses 9 units

### Credential Prerequisite Courses

In addition, students must complete field experience by permission or by taking:

EDUC 300	Introduction to Teaching as a Profession	4
EDUC 500	Computer Education for Teachers	3

Students must also complete prerequisites for the professional credential program as follows:

EDUC 405	Diversity in the Classroom	3
POLI 150	American Government^	3
PSYC 290	Human Growth and Development^	3

^Meets a general studies requirement.



## Requirements for the English Minor 24 units

The lower-division requirements are the same for minors and majors. Upper-division courses for the minor should be chosen in consultation with an English advisor and total 12 upper-division units.

## Course Descriptions

### ENGL 099 Fundamentals of Reading (2)

This course is designed for students who need to improve their reading competency in order to succeed in other college courses. Diagnostic testing, individualized instruction, and skill utilization are provided. *Credit in this course does not count toward graduation.*

### ENGL 100 Basic Writing (3)

This course focuses on the language skills needed to successfully enter ENGL 110 Freshman Writing Seminar. Emphasis on sentences, paragraphs, and expository patterns, combined with individual attention to writing and reading weaknesses, enable the student to understand the writing process—from generating topics to

revising for audience and clarity. Students with a verbal SAT I score below 580 (500 on SAT verbal) take a diagnostic test during registration; those scoring high on the diagnostic test are exempt from ENGL 100 and may register for ENGL 110. A diagnostic essay must be passed successfully at the end of the course in order for students to be eligible for ENGL 110 entrance. *Does not meet the general studies requirement for University Skills.*

### ENGL 101 College Composition (3)

Basic skills in writing, with emphasis on expository skills and essay form, are the focus of this course. A research paper is included among the assigned writing. This class is for transfer students only and replaces the ENGL 110 Freshman Writing Seminar requirement.

### ENGL 102 Study Skills and Strategies (1)

This course helps students become effective, efficient learners. It covers such topics as learning styles, motivational patterns, time management, test taking, study-reading, and note taking.

### ENGL 110 Freshman Writing Seminar (3)

This course promotes the development of analytical and writing skills through composition of expository essays. Seminar topics addressing issues pertinent to Christian liberal arts vary with instructor. Universal requirements include argumentative and research papers. *Meets the general studies requirement for University Skills.*

### ENGL 111 Introduction to Literature (3)

This course is an introduction to fiction, drama, and poetry. *Meets general studies core requirement for Language and Literature.*

### ENGL 222 English Literature

#### Survey to 1789 (3)

A chronological study of English literature from the beginning through the neoclassical period is provided in this course.

### ENGL 232 English Literature

#### Survey since 1789 (3)

A chronological study of English literature from the romantic through the modern periods is provided in this course.

### ENGL 301 Advanced Writing (3)

This is a workshop in prose writing skills, with attention to writing pieces for publication. It may be repeated once.

### ENGL 324 World Literature to the Renaissance (3)

Students review world literature from Confucius to Dante. *Meets general studies core requirement for Language and Literature.*

### ENGL 334 World Literature since the Renaissance (3)

Students review world literature from the Renaissance to the 20<sup>th</sup> century, excluding British and American literature. *Meets general studies core requirement for Language and Literature.*

### ENGL 344 American Literature to 1865 (3)

Major writers and literary movements in America through the Civil War are examined. *Meets general studies elective requirement for Language and Literature and upper-division writing intensive course requirement.*

### ENGL 354 American Literature since 1865 (3)

Representative writers and major types of American literature since the Civil War are featured. *Meets general studies elective requirement for Language and Literature.*

### ENGL 360 Technical and Professional Writing (3)

This course acquaints students with the writing conventions of the professional and technical communities. It helps students understand writing as an essential analytical and communication tool in the professional world and gives them experience in developing materials and solving problems encountered in that world.

*Prerequisite: ENGL 110*

### ENGL 377 Shakespeare (3)

Students undertake a representative study of Shakespeare's finest narrative poetry, sonnets, dramas, comedies, histories, tragedies, and romances. *Meets general studies upper-division writing intensive course requirement.*

### ENGL 402 Principles of Language (3)

This course provides an introductory survey of the nature and use of language: basic speech sounds, syllable structure, word formation, grammar systems, language acquisition and variation, historical aspects of language change, and their relevance to language teachers.

### ENGL 404 Approaches to Grammar (3)

Traditional and modern analyses of grammar are covered, providing a grounding in the eight

parts of speech and their subcategories; a study of phrase, clause, and sentence types; and an overview of transformational and other modern perspectives on grammar and grammar teaching. *Prerequisite: ENGL 402*

### ENGL 405 American English Language History (3)

A study of the origins and development of the English language within the Indo-European language family, and the growth of American English as a unique and dynamic variety among the several major offshoots of British English, is the focus of this course. *Prerequisites: ENGL 402 and ENGL 404*

### ENGL 406 Composition: Pedagogy, Theory, and Practice (3)

This course is designed for students contemplating teaching at the elementary or secondary level and of interest to students wanting to learn about writing and writing instruction. This course examines the theory, practice, and literature of English/language arts pedagogy, with an emphasis on composition. *Meets general studies upper-division writing intensive course requirement.*

### ENGL 410 American Novel (3)

Students engage in extensive reading and analysis of selected romances and novels from 1800 to the present. This course traces the development of the genre in its American form and content. *Meets general studies elective requirement for Language and Literature.*

### ENGL 434 Children's Literature (3)

Literature, classical as well as contemporary, interesting to children through adolescence and of value to all who work with children either professionally or as parents is covered in this course. *Meets general studies elective requirement for Language and Literature.*

### ENGL 435 Social and Psychological Aspects of Language (3)

Students engage in a study of cognitive and social aspects of language affecting acquisition and use; comprehension and use of sentences; language memory and production; political and social implications of language; social roles, bilingualism, codes, and code switching; and language planning.

**ENGL 464 Chaucer (3)**

The works of Chaucer are studied, with emphasis on *The Canterbury Tales* and *Troilus and Criseyde*. Meets general studies elective requirement for Language and Literature.

**ENGL 466 British Novel (3)**

Students explore the origins and development of British fiction, reading representative novels from the 18th century to the present.

**ENGL 474 Milton (3)**

John Milton's prose and poetry are studied, with special emphasis on *Paradise Lost*. Meets general studies elective requirement for Language and Literature.

**ENGL 480 Contemporary Literary Criticism (3)**

This course explores theories about literature and critical approaches to literature. The testing of theories and the working out of the critical approaches occur through studying excerpts from selected works of literature. This course may be interesting not only to English majors, but also to students of philosophy, theology, and history, for what one learns about critical approaches to a literary text can be applied to all texts.

**ENGL 485 Modern Poetry (3)**

Twentieth-century poetry in English and translation is explored. This course includes creative writing.

**ENGL 488 Romantic Movement in English Literature (3)**

Students study English poetry and prose of the Romantic movement, with emphasis on Wordsworth, Coleridge, Byron, Shelley, and Keats.

**ENGL 489 Studies in Literature (3)**

Course content varies according to students' needs and interest, allowing special topics to be explored. This course may be repeated once.

**ENGL 496 Senior Seminar: English and the Professions (3)**

This course is designed to help students integrate their Christian faith and values with their private and public lives as professionals in the

careers established on the English major, such as teaching, ministry, law, business, medicine, government service, and library science. The assigned readings, class discussions, and required essays and thesis will aid in the process of integration. *This course meets the general studies requirement for a Senior Seminar. Prerequisites: senior standing, completion of the majority of the units required for God's Word and the Christian Response, and completion of the majority of courses required in the English major*

**ENGL 497 Readings (1-4)**

Consists of a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**ENGL 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**ENGL 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, or electronic media. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of Global Studies and Sociology

## Faculty

*Chair and Professor: Richard Slimbach, Ph.D.*

*Professors: Richard Christopherson, Ph.D.;  
Richard Robison, Ph.D.*

*Associate Professors: Donald Dorr, M.A.;  
Carol Peirce, Ph.D.*

*Assistant Professor: David Miyahara, Ph.D.*

*Lecturers (part time): Janel Doll, Ed.D.;  
Mary Hankins, M.A.; Kim MacDonald, M.A.;  
Gerardo Marti, M.A.*

## Global Studies

### Introduction

The global studies major offers a framework of study for students interested in the interrelations of peoples and nations. These relationships are diverse and complex, operate at different levels (economic, social, religious, intellectual, political, and environmental), and transcend political boundaries and geographical distances. Consequently, students in the major are able to explore global issues from a broader perspective than in traditional majors. They explore a variety of disciplines from a comparative, international, or intercultural perspective. Then they study in-depth a particular region, country, urban center, or people of the world, eventuating in a one- or two-term practicum where they live, learn, and serve in a culture different from their own. In consultation with their advisor, students develop an individualized plan which combines traditional and experiential learning.

### Career Opportunities

The major is appropriate for students wishing to pursue careers in world missions, community development, international business, urban policy studies, bilingual and/or multicultural education, public or foreign service, information research, cross-cultural health services, social work, or language education (e.g., TESOL), and provides a particularly valuable foundation for specialized graduate study. The employment market for individuals with foreign

language competence, cross-cultural skills, and knowledge of the world is expanding rapidly.

### The Curriculum

The global studies major at Azusa Pacific is much more than a traditional list of courses to complete. It is a dynamic, unfolding, and individualized set of learning experiences—some occurring within a formal classroom environment and others within informal field settings. These experiences constitute 45 semester credits and are organized into the following six phases.

#### Phase 1: An Individualized Learning Plan

Students entering the Global Studies Program are assigned a faculty advisor who serves as a resource guide and friend. The advisor assists the student in developing an individualized learning plan, choosing electives, and ensuring that general studies requirements are met. During this phase, students learn about themselves—their interests, gifts, and life calling—by sampling the liberal arts, mixing with peers, relating to faculty mentors, and engaging in intercultural learning activities.

#### Phase 2: Multidisciplinary Course Work

During their freshman and sophomore years, students may enroll in a variety of required and elective courses in the major. Students complete courses surveying the history, geography, religions, politics, and cultural systems of world civilizations with an eye toward singling out a particular “focus” (region, country, urban center, or people) of interest. With this focus of interest clarified, the various courses can be used to contribute multidisciplinary perspectives to the research project planned for the student’s junior year.

All global studies majors complete 45 units of required course work, including the

Global Learning Term (GLT). Because several courses in the major also satisfy general studies requirements, many students find they have space left to augment their program with available electives. Some (like Life and Culture Seminar) are available only during the GLT. Other on-campus courses are designed to help students acquire practical service skills (such as English language teaching or advanced foreign language).

#### On-Campus Course Work 34 units

GLBL 301	Anthropology for Everyday Life*	3
GLBL 305	Peoples and Places (seminar)	2
GLBL 310	Intercultural Communication*	3
GLBL 315	Urban Explorations*	3
GLBL 330	Community Organization and Social Change	3
GLBL 420	Intercultural Journeys (seminar)	2
GLBL 496	Senior Seminar: Global Issues and Prospects*	3
CMIN 405	Christian Mission in the 21st Century	3
HIST 121	World Civilizations since 1648*	3
HIST 310	World Geography	3
PHIL 315	Comparative Religions	3
POLI 320	Comparative Politics	3

\*These courses satisfy general studies requirements.

#### Global Learning Term Course Work 7 units minimum

Required		
GLBL 335	Intercultural Service—Learning Practicum	3-6
GLBL 350	Global Study Project	3
GLBL 325	Family Organization	1-2
Electives		
GLBL 300	Self-Directed Language Learning	3
GLBL 340	Life and Culture Seminar	3
GLBL 499	Thesis/Project	1-4

#### Phase 3: Foreign Language Learning

An important component to any cross-cultural field study is the ability to communicate and build relationships with strangers. During their sophomore year or the first semester of the junior year, students are urged to complete at least three credits of language course work at or above the 200-level appropriate to the region or culture of emphasis. The goal is for all students to acquire basic conversational competence in at least one foreign language. Some of the more esoteric languages (e.g., Czech, Persian, or Gujarati) with limited student interest, may be completed at other institutions or as an elective, immersion experience during the Global Learning Term (GLT).

#### Phase 4: Focus Study/ Pilot Projects

By the fall or spring semester of their junior year, students select a particular “focus” (i.e., region, nation, city, or people) of the world for in-depth study in conjunction with the foreign language being studied. The student enrolls in GLBL 305 Peoples and Places, a seminar designed to prepare students for their GLT through area study and the development of individual learning contracts for the GLT courses in which they will enroll.

During the same semester, students concurrently enroll in GLBL 315 Urban Explorations and GLBL 330 Community Organization and Social Change. Both courses reflect the urban bias of the Global Studies Program as they focus student attention on understanding Los Angeles through readings, community organization visits, and the completion of small-scale research projects. These “pilot” projects are preparatory for Phase 5 (the Global Learning Term) when students launch

similar, but more extensive, projects in cities throughout the world.

#### Phase 5: Global Learning Term

Students have now completed the preparatory work (Phases 3-4) for their study and service term abroad. During the spring or summer session of their junior year or the fall session of their senior year, students will enroll in GLBL 350 Global Study Project (3 units), GLBL 335 Intercultural Service-Learning Practicum (3-6 units), and GLBL 325 Family Organization (1-2). They carry out their study and service projects under the combined direction of a faculty advisor and on-field specialists. (This requirement may be adjusted in the case of international students.) The projects immerse students in a country, culture, or city significantly different from their own for a long enough time (at least a two-month term) to maximize involvement in the host culture, with adequate support to ensure successful management of stress. The aim is to provide each student with the necessary contrasts during their study and research to critically examine their faith, politics, culture, and identity.

The length of the sojourn ranges from two months (the summer following their junior year) to eight months (students leaving in May of their junior year and returning in December). Before leaving, students formulate learning contracts which describe their proposed study and service in terms of the main objectives, learning activities, and evaluation procedures. Students typically find that the impact of their experience is in direct proportion to the quality of the preparation that precedes the sojourn abroad and the degree to which students interact directly and intensively with the host people and culture.

During their Global Learning Term, global studies majors and minors remain regis-



tered at APU and may potentially earn the same amount of credit as they would have earned for full-time study on campus (at one-half the on-campus tuition rate).

### Phase 6: Re-Entry Seminar/ Senior Presentation

The culmination of the global studies major is an analysis and presentation of the student's field experiences in the form of two courses. Students enroll in a special reentry seminar, GLBL 420 Intercultural Journeys (2 units), within one semester of returning to campus. The course provides an extended period of time for consciously reflecting upon, reinterpreting, and organizing students' field learning. Students discuss their findings with peers and faculty and evaluate changes in themselves. They concurrently enroll in GLBL 496 Senior Seminar: Global Issues and Prospects which enables them to synthesize their learning through a review of critical world issues. Students prepare and present a senior thesis on an issue of particular significance to them, with special focus on discerning their role as witnesses to Christ's Kingdom in the global arena.

A final evaluation interview marks the official end of the program. Here, students reflect on and project future plans for continuing study, research, service, and employment. They are also asked to assess the impact of the program on their personal and vocational lives and to recommend to the faculty changes to the program.

### Requirements for the Global Studies Minor 26 units

The 26-unit minor in global studies is a multidisciplinary program which adds an international and intercultural emphasis and practical field application to any student's major course of study. The program provides students with varied opportunities to acquire the perspectives, values, and skills needed to understand and compassionately serve others in today's world. Students work closely with advisors in both their major and minor fields in organizing on-campus study and crafting an individualized service-learning practicum and study project abroad. Program requirements fall within the following five integrated areas:

#### 1. Multidisciplinary Course Work

Students explore and compare world cultures in terms of their histories, geographical characteristics, religious traditions, and philosophic and scientific achievements.

HIST 310	World Geography	3
PHIL 315	Comparative Religions	3

#### 2. Intercultural Skills Development

Students cultivate skills in self-awareness, intercultural communication, urban analysis, and social service within a vision of Christian mission to the world.

GLBL 301	Anthropology for Everyday Life*	3
GLBL 305	Peoples and Places	2
GLBL 315	Urban Explorations*	3
GLBL 330	Community Organization and Social Change	3

\*Meets a general studies requirement.

#### 3. Global Learning Term

Students complete an individualized service-learning practicum and study project tailored to their major field of study during a cross-cultural field term. *Prerequisite: GLBL 305 or equivalent*

GLBL 335	Intercultural Service- Learning Practicum	3
GLBL 350	Global Study Project	3

#### 4. Post-Field Integration

Students organize, evaluate, and integrate the information and experiences acquired during their global studies.

GLBL 420	Intercultural Journeys	2
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#### TESOL Programs

The Master of Arts in Teaching English to Speakers of Other Languages (TESOL) and the TESOL Certificate Program are described in the graduate catalog.

## Sociology

### Introduction

Sociology is the study of social life and the social causes and consequences of human behavior. The subject matter of sociology ranges from the intimate family to the hostile mob, from crime to religion, and from the divisions of race and social class to the shared beliefs of a common culture. In fact, few fields have such broad scope and relevance. Objectives of this program are to: provide students with the opportunity to learn about the complex and changing society in which they live; develop interests in and appreciation for the varied social processes that influence human life; and provide a climate and curriculum within which a student may prepare for graduate study leading to careers in higher education or research.

### Career Opportunities

Although teaching remains the dominant activity among the more than 15,000 professional sociologists today, sociology offers valuable preparation for other careers. The undergraduate sociology program at Azusa Pacific University provides a climate and curriculum within which the student may prepare for graduate or professional schools leading to careers in law enforcement, public administration, development and urban planning, insurance, personnel management, government and public affairs, criminology, research, and teaching in public and private schools.

### Requirements for the Sociology Major 39 units

#### Core Requirements 15 units

A total of 39 units is required for the major. A minimum grade-point average of 2.0 is required in all sociology courses.



Required courses should be taken in the following sequence:

SOC 120	Introduction to Sociology*	3
SOC 298	Basic Sociological Theory	3
PSYC 350	Applied Statistics	3
SOC 478	Methods of Social Research	3
SOC 479	Social Research Project*	3

### Related Courses **24 units**

Selected courses from this list complete the required 39 units for a sociology major. General electives may also be selected from this list.

GLBL 301	Anthropology for Everyday Life*	3
PHIL 340	Concepts of Human Nature*	3
PSYC 425	Social Psychology	3
SOC 225	Contemporary Social Problems	3
SOC 230	Comparative Family Systems*	3
SOC 320	Sociology of Work	3
SOC 358	Human Diversity*	3
SOC 360	Sociology of Religion	3
SOC 404	Community	3
SOC 455	Crime and Delinquency	3
SOC 464	Social Stratification	3
SOC 496	Senior Seminar: Faith and Social Issues*	3
SOC 497	Readings in Sociology	1-4
SOCW 350	Aging: Implications for Policy and Practice	3

### Requirements for the Sociology Minor **21 units**

#### Core Requirements **9 units**

PSYC 110	General Psychology*	3
SOC 120	Introduction to Sociology*	3
SOC 298	Basic Sociological Theory	3

#### Upper-Division Sociology Electives **12 units**

\*Meets a general studies requirement.

## Course Descriptions

### Global Studies

#### GLBL 098 English for Academic Purposes I (4)

The course is designed to prepare international students for the cultural and academic realm of speaking and listening at an undergraduate level for an American university. Student practice communication skills used at an American university by getting involved in and observing social contexts in and around the university campus, as well as by emulating and discussing in class many of the situations in which these skills take place. In addition, students examine American values which influence and determine the use of listening and speaking for communication in American culture. *For international students only; to be taken concurrently with GLBL 099. This course may be repeated once until the student earns a passing grade; credit is granted for only the semester in which a passing grade is earned. The units for this course count as elective (not general studies) units for graduation.*

#### GLBL 099 English for Academic Purposes II (4)

The course is designed to improve the English language and academic skills of advanced ESL students. Emphasis is placed on the reading and writing skills students must master if they are to succeed in the university setting. Such skills include interfacing with a text, reading for information, paraphrasing, summarizing, expressing an opinion, writing essays, and documenting papers (using academic citation). Writing skills are developed through modes, prewriting exercises, supervised in-class writing, and peer evaluation/editing. *For international students only; to be taken concurrently with GLBL 098. This course may be repeated once until the student earns a passing grade; credit is granted for only the semester in which a passing grade is earned. The units for this course count as elective (not general studies) units for graduation.*

#### GLBL 300 Self-Directed Language Learning (3)

The course provides an individually tailored, community-based program for developing proficiency in a foreign language. Emphasis is placed on intensive listening and speaking practice to facilitate full participation in family, study,

research, and service activities in a foreign culture. This option is offered only for language courses not taught on campus.

#### GLBL 301 Anthropology for Everyday Life (3)

The course enables students to encounter and understand human differences within local communities through the combined study of topics in applied anthropology and the development of cross-cultural relationships. Insights are also drawn from sociology, intercultural communication, and missiology. *Meets the general studies elective requirement for Identity and Relationships.*

#### GLBL 305 Peoples and Places (2)

This seminar prepares students for their Global Learning Term or other study-abroad experiences through focused area study via a combination of library searches, directed reading, video viewings, field excursions, and informant interviewing.

#### GLBL 310 Intercultural Communication (3)

The course explores the dynamic processes of establishing a relationship between culturally diverse individuals. Respecting divergent cultural patterns is promoted, but not at the expense of neglecting the consideration of salient spiritual, moral, and ethical issues involved in intercultural communication. *Meets the general studies elective requirement for Identity and Relationships.*

#### GLBL 315 Urban Explorations (3)

This course connects APU students with the urban processes, peoples, problems, and prospects of greater Los Angeles. The aim is to promote the application of global perspectives, the exchange of knowledge, the clarification of local problems, and the collaborative exploration of solutions. Global studies majors and minors concurrently enroll in GLBL 330 Community Organization and Social Change. *Meets general studies upper-division writing intensive course requirement.*

#### GLBL 325 Family Organization (1-2)

Students immerse themselves in the daily life of host families and communities in cross-cultural settings where they explore the unfamiliar assumptions, beliefs, values, and norms of behavior while cultivating long-term friendships.

#### GLBL 330 Community Organization and Social Change (3)

This course encourages the development of a lifelong service ethic within multicultural urban settings. It involves students in visits to community service organizations in the greater Los Angeles area followed by a team community “mapping” project. *Offered in conjunction with GLBL 315 Urban Explorations.*

#### GLBL 335 Intercultural Service-Learning Practicum (3-6)

This integrated volunteer experience within another culture improves students’ intercultural values and skills, provides them with new knowledge, and guides them in making a tangible contribution to social change. Students immerse themselves within a service organization or development project (e.g., in a government institute, hospital, orphanage, school, clinic, or church) for a minimum of two months.

#### GLBL 340 Life and Culture Seminar (3)

This interdisciplinary field seminar helps students learn how to learn another culture. Students explore the art, literature, current events, music, folklore, politics, history, sociology, or local institutions of a chosen country, city, or people through observation and discovery, local event participation, informant interviews, problem solving, journal keeping, and group discussions.

#### GLBL 350 Global Study Project (3)

Students carry out individualized study/research projects on topics of particular concern and interest to them under the combined direction of an APU advisor and an on-site guide.

#### GLBL 420 Intercultural Journeys (2)

This course provides Global Learning Term returnees an extended period of time for consciously reflecting upon, consolidating, and organizing their field learning while also investigating prospective vocational paths.

#### GLBL 496 Senior Seminar: Global Issues and Prospects (3)

Major global issues and trends are examined so as to frame possible Christian social interventions in response to some of the moral and ethical challenges of our time. Students prepare and present a formal project report. *Prerequisites: senior standing; completion of the majority of*

*the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

#### **GLBL 497 Readings (1-4)**

Consists of a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

#### **GLBL 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

#### **GLBL 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, electronic media, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

### **Sociology**

#### **SOC 120 Introduction to Sociology (3)**

The focus of this course is on the origins and development of sociology as a response to pressing social problems. It emphasizes mastery of sociological terminology. *Meets general studies core requirement for Identity and Relationships.*

#### **SOC 225 Contemporary Social Problems (3)**

The complex social problems faced by people in a changing technological society are studied. Institutions, attempts to find solutions, and exploration of alternatives are emphasized.

#### **SOC 230 Comparative Family Systems (3)**

This course compares traditional family patterns with the new options available to men and women, both as individuals and partners. It focuses on the changing roles of men and women inside and outside of marriage, the challenge of the two-career family, and the search for the family's place as an integral part of society. *Meets general studies core requirement for Identity and Relationships.*

#### **SOC 298 Basic Sociological Theory (3)**

The function of theory and the contributions to modern sociological thought by the principle sociologists of the 19<sup>th</sup> and 20<sup>th</sup> centuries are considered. The application of theory to contemporary social concerns is investigated. *Prerequisite: SOC 120*

#### **SOC 320 Sociology of Work (3)**

This course examines the history, structure, and processes of work in Western culture. There is emphasis on the meaning of work in modern society, the role of professions, occupational training and careers, and the occupational problems of specific groups such as women and minorities.

#### **SOC 358 Human Diversity (3)**

Students examine diversity in a pluralistic society, with a focus on groups that have been assigned subordinate positions because of race, religion, country of origin, disability, age, language, or gender. The nature of prejudice and issues related to discrimination and oppression are explored. *Meets general studies elective requirement in Identity and Relationships.*

#### **SOC 360 Sociology of Religion (3)**

This course offers an objective analysis of interrelations between religious phenomena and social institutions, structures, and behavior. There is special emphasis on the distinction between church and sect, religion and social stratification, secularization, science and religion, and religious movements.

#### **SOC 404 Community (3)**

Students examine the various ways people organize themselves into communities and develop means of governance. This course explores the impact of the community on people, the ways power is used and misused, social conflict, social change, and the need for social

involvement. A wide variety of communities are examined: rural, urban, village, metropolis, Utopian communities, communes, planned cities, and new towns. Cultural and national differences in the development of communities are assessed.

#### **SOC 455 Crime and Delinquency (3)**

This course explores the dimensions and nature of both traditional crime and criminality and the newly recognized forms of crime which exist within contemporary society. The criminal's relationship to the courts, police, and other penal agencies is the focus of attention.

#### **SOC 464 Social Stratification (3)**

Theories and research in social stratification are the focus of this course. Topics covered include role, status, structure of differential rankings in society, criteria for ranking, functions and dysfunctions, correlates of class positions, social change, and social mobility.

#### **SOC 478 Methods of Social Research (3)**

This course covers basic research methods. The first semester focuses on preparation of a formal research problem, which is completed during the second semester. *Prerequisite: PSYC 350*

#### **SOC 479 Social Research Project (3)**

Students complete the formal research project developed in the first semester course, SOC 478. *Meets the general studies upper-division writing intensive course requirement.*

#### **SOC 496 Senior Seminar: Faith and Social Issues (3)**

Students investigate the impact of modernity on family life, work, religion, politics, and the arts, and consider questions such as: How can people create and preserve a morally coherent life in a society that is pluralistic, secular, and privatized? What difference does Christian faith make in the way people understand the world, and in determining how people ought to live? *Meets the general studies requirement of a senior seminar in God's Word and the Christian Response.*

#### **SOC 497 Readings (1-4)**

Consists of a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

# Department of History and Political Science

## Faculty

*Chair and Professor: Christopher Flannery, Ph.D.*

*Professor: David Weeks, Ph.D.*

*Associate Professor: Daniel C. Palm, Ph.D.*

*Assistant Professors: David Lambert, MBA; Bryan Lamkin, Ph.D.; Rae Newstad, Ph.D.*

*Instructor: Tim Hagen, M.A.*

*Lecturers (part time): Michael Hammett; Tom Krannawitter; Doug Kroll; Julie Ponzi; James Zaharek*

## Department Overview

This department offers majors in history, political science, and social science. Within the political science major are four optional concentrations: ethics and politics, international relations, American politics, and prelaw. Many courses in the department emphasize the reading of classic texts or the study of primary sources. All courses offered in the department are within the College of Liberal Arts and Sciences and designed to contribute to a Christian liberal education.

## History

### Introduction

History is the study of the human record of the human past. As an academic discipline, history is comprehensive insofar as it records and explains the development, causes, and effects over time of all other disciplines. Thoughtful study of the past provides a necessary perspective for making judgments in the present. It instructs the student in human possibilities and limits. Course offerings include studies in American, European, and world history, as well as focused studies of various historical themes and different regions.

### Career Opportunities

The history major is prepared for all careers calling for clear and logical reasoning, the ability to analyze complex relations between cause and effect, well-developed writing skills, and familiarity with other cultures and times.

The most common vocational pursuits include teaching, law, government service, and careers as archivists, researchers, librarians, museum curators, and consultants.

### Requirements for the History Major

**36 units**

#### Core Requirements

**21 units**

HIST 120	World Civilizations to 1648*	3
HIST 121	World Civilizations since 1648*	3
HIST 151	U.S. History to 1865*	3
HIST 152	U.S. History since 1865*	3
HIST 310	World Geography	3
POLI 300	Research and Writing*	3
POLI 496	Senior Seminar*	3

#### Additional Requirements

**15 units**

Fifteen additional units of upper-division history courses are required.

#### Prerequisite Courses

**6 units**

History majors must complete the following course work prior to graduation:

POLI 150	American Government*	3
POLI 160	Introduction to Politics*	3

### Requirements for the History Minor

**21 units**

HIST 120	World Civilizations to 1648*	3
— or —		
HIST 121	World Civilizations since 1648*	3
HIST 151	U.S. History to 1865*	3
HIST 152	U.S. History since 1865*	3

#### Upper-Division Concentration in American or European History

**6 units**

#### Upper-Division Departmental Electives

**6 units**

\*Meets a general studies requirement.

## Political Science

### Introduction

Political science is concerned with the knowledge that is needed by citizens and statesmen. This knowledge is required to make and recognize good laws, distinguish

justice from injustice, and understand the legitimate purposes and necessary limits of political power. The political science major prepares students to take an informed, intelligent, and leading role in the affairs of their community, country, and world. In addition to classroom, research, and seminar experiences, students are encouraged to become directly involved in politics through internship experiences on the local, state, or national level.

### Career Opportunities

The political science major studies politics as part of a traditional liberal arts education. This discipline helps develop intellectual curiosity and the abilities to write and speak well, think critically, judge wisely, and exercise leadership. These skills help prepare students for a future in a variety of careers. The most common vocations pursued by political science majors include law, foreign affairs, journalism, public relations, and criminal justice. Careers in government, politics, and public service agencies are popular. Opportunities for teaching, research, consulting, and graduate study are also available.

### Requirements for the Political Science Major

**36 units**

#### Core Requirements

**12 units**

POLI 150	American Government*	3
POLI 160	Introduction to Politics*	3
POLI 300	Research and Writing*	3
POLI 496	Senior Seminar*	3

\*Meets a general studies requirement.

#### Additional Requirements

**24 units**

Twenty-four additional units of political science courses are required. Twenty-one of these must be in upper-division courses, with at least two courses in each of the following subfields:

- American Politics
- Comparative and International Politics
- Political Philosophy

**Prerequisite Courses** **12 units**

Political science majors must complete the following course work prior to graduation:

HIST 120	World Civilizations to 1648*	3
HIST 121	World Civilizations since 1648*	3
HIST 151	U.S. History to 1865*	3
HIST 152	U.S. History since 1865*	3

**Concentrations**

For those students with specific academic interests or career objectives, the department offers four concentrations in lieu of the regular major (prelaw, international/comparative politics, American politics, and ethics and politics). Details are available from the Department of History and Political Science.

**Requirements for the Political Science Minor** **21 units**

POLI 150	American Government*	3
POLI 160	Introduction to Politics*	3
Five Political Science Courses		15

(at least four upper-division courses)

\*Meets a general studies requirement.

**Social Science****Introduction**

The social science major is designed primarily to prepare students to teach various social science disciplines (particularly history, political science, geography, economics, sociology, and psychology) at the secondary level. This major provides future teachers with an integrated study of these social sciences which will help develop analytical skill, comparative perspective, critical judgement, and a knowledge base about the world around them.

**Career Opportunities**

The primary career choice for social science majors is teaching at the secondary level. Other options include careers in

education, government service, journalism, advertising, library science, law, and politics. Opportunities for research, consulting, and graduate study are also available.

**Requirements for the Social Science Major** **57 units**

Subject to change in 1999. Check with the department chair.

BUSI 250	Macroeconomics	3
BUSI 251	Microeconomics	3
HIST 120	World Civilizations to 1648*	3
HIST 121	World Civilization since 1648*	3
HIST 151	U.S. History to 1865*	3
HIST 152	U.S. History since 1865*	3
HIST 310	World Geography	3
HIST 338	History of California	3
PHIL 315	Comparative Religions	3
POLI 150	American Government*	3
POLI 160	Introduction to Politics*	3
POLI 300	Research and Writing*	3
POLI 390	History and Politics of the Non-Western World	3
POLI 496	Senior Seminar*	3
PSYC 110	General Psychology*	3
— or —		
SOC 120	Introduction to Sociology*	3
One Upper-Division History Course		3
One Upper-Division Political Science Course		3

All students in the Subject Matter Program in Social Science are also advised to take the following two courses to prepare them for a fifth year teaching credential program:

PSYC 290	Human Growth and Development*	3
EDUC 405	Diversity in the Classroom*	3

\*Meets a general studies requirement.

**Course Descriptions****History****HIST 120 World Civilizations to 1648 (3)**

This survey course deals with the customs, cultures, religions, and forms of government of peoples from ancient times to 1648. *Meets the general studies core requirement for Heritage and Institutions.*

**HIST 121 World Civilizations since 1648 (3)**

This survey course deals with the customs, cultures, religions, and forms of government of peoples from 1648 to the present. *Meets the general studies core requirement for Heritage and Institutions.*

**HIST 151 United States History to 1865 (3)**

This course surveys the political and cultural history of the United States to 1865. This course of study includes concepts of government and analysis of political institutions. *This course meets the state requirement in U.S. history and government. Meets the general studies core requirement for Heritage and Institutions.*

**HIST 152 United States History since 1865 (3)**

This course surveys the political and cultural history of the United States from 1865 to the present. This course of study includes concepts of government and analysis of political institutions. *This course meets the state requirement in U.S. history and government. Meets the general studies core requirement for Heritage and Institutions.*

**HIST 310 World Geography (3)**

This course is a study of cultural, historical, and political geography. It includes study of the ways peoples interact with their natural environments, the ways different cultures interact with one another, the global patterns of human migration and settlement, and the distinctive natural, linguistic, cultural, and political features of different regions of the world.

**HIST 330 History of Religion in America (3)**

This course covers the religious history of the American people. The significance of the social gospel, sects, cults, and modern trends are examined.

**HIST 334 History of American Foreign Affairs (3)**

This course is a study of American foreign affairs and international relations from 1776 to the present.

**HIST 335 Cultural History/Travel Study (3)**

This cultural history course combines visits of major cultural and historical sites with academic study of the geography, history, art, literature, politics, and religion of the country, region, or continent. The interdisciplinary course is taught by a team of two to four faculty and developed around a history core, from which each student may choose to develop an intensive focus upon art and architecture, history, literature, politics, or church history. *Meets general studies elective requirement for Heritage and Institutions.*

**HIST 338 History of California (3)**

Students learn about the exploration, colonization, and development of Hispanic California; the coming of the Americans; and the political, economic, and cultural development of California since its acquisition by the United States.

**HIST 342 The American West (3)**

This course offers coverage of the exploration and development of the West, mining and stock-raising frontiers, rail roads and agriculture; and the effects of the frontier on American institutions.

**HIST 350 Medieval Europe (3)**

This course is a study of Europe from the fall of the Roman Empire to the Renaissance.

**HIST 352 Renaissance and Reformation (3)**

This course is a study of Europe from the 15<sup>th</sup> century to 1648; it covers intellectual, social, and political changes, and religious revolt and wars.

**HIST 356 Modern Europe (3)**

This course is a study of European intellectual, social, political, and religious history from the late 17<sup>th</sup> century to the present.

**HIST 374 Colonial Era (3)**

This course is a study of the English colonies in America 1609-1776; themes include institutions, life, and customs; intercolonial relations; imperial control; and the movement for independence.

**HIST 380 Civil War and Reconstruction (3)**

This course is a study of the causes of sectional conflict, the Civil War, and political, social, and economic reconstruction (1850-77).

**HIST 382 Emergence of Modern America (3)**

This course is a study of the period 1878-1918, including political and intellectual change, the advent of big business, urbanization, reform, and the coming of World War I.

**HIST 386 Modern America (3)**

This course is a study of the intellectual, political, economic, and social history of America from 1918 to the present.

**HIST 401 Humanities Seminar (6)**

Subject matter for this course varies. The pre-announced topic is addressed from an interdisciplinary perspective and includes some of the following: history, literature, sociology, art, religion, biblical studies, and language. Each time this course is offered it is further defined with a subtitle.

**HIST 402 Historical Research Skills (6)**

Subject matter for this course varies. The course emphasizes one of the following: historical research skills, archaeological methods, or language study. The course includes access to primary archival resources, field experiences, and/or trips to historical sites. Each time this course is offered it is further defined with a subtitle.

**HIST 403 Church History Seminar (6)**

Subject matter for this course varies. The course includes an intensive study of a specific era in church history. Each time this course is offered it is further defined with a subtitle.

**HIST 404 Archaeology Field Experience (6)**

This field experience is only offered at the Wadi Natrun archaeological dig in Egypt. It includes hands-on field experience.

**HIST 484 Historical Themes (3)**

Subject matter for this course varies and may include topics in non-Western, European, and United States history. May be repeated for credit.

**HIST 497 Readings (1-4)**

Consists of a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division and a full-time professor.

**HIST 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**HIST 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, electronic media, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

**Political Science****POLI 150 American Government (3)**

This course is a study of the institutions and processes of American government on the local, state, and national levels. *This course meets the state requirement for U.S. history and government. Meets the general studies core requirement for Heritage and Institutions.*

**POLI 160 Introduction to Politics (3)**

This course introduces the beginning political science student to the fundamental themes and enduring problems of political life. *Meets the general studies core requirement in Heritage and Institutions.*

**POLI 210 Current Events (3)**

Students explore selected current domestic and foreign policy issues.

**POLI 220 State and Local Government (3)**

This course offers a comparison of the organizations, processes, and functions of local government in the United States, including counties, cities, and special districts.

**POLI 271 Political Topics (3)**

Subject matter for this course varies and may include topics in political theory, American government, and international affairs. Possible topics include: nuclear arms, religion and politics, and presidential elections. *POLI 271 and POLI 471 may not be taken concurrently, and additional work is required in POLI 471. This course may be repeated for credit as the topic varies. Up to eight units may be earned for participation in seminars offered by the American Studies Program.*

**POLI 300 Research and Writing (3)**

This is an upper-division writing intensive course emphasizing the research and writing skills common to the disciplines of history and political science. *Fulfills general studies requirement for upper-division writing intensive course. Strongly recommended before taking any 300- or 400-level courses. Course is a prerequisite for POLI 496.*

**POLI 320 Comparative Politics (3)**

This course offers a comparative study of major political systems. The communist, socialist, and democratic systems are compared as they have been applied in various states.

**POLI 325 Constitutional Law (3)**

This course is an inquiry into the Supreme Court's interpretation of the Constitution concerning the powers of the states, the president, Congress, and the courts. *Prerequisite: POLI 150 or instructor's permission*

**POLI 326 Civil Rights and Civil Liberties (3)**

Students analyze Supreme Court decisions related to the Bill of Rights and the 14<sup>th</sup> Amendment. *Prerequisite: POLI 150 or instructor's permission*

**POLI 327 Introduction to Legal Studies (3)**

This course is a study of forms of law school writing, the profession of the law, and the philosophy of law as it has developed from ancient to contemporary times. The course is primarily for students intending to pursue a career in law and should ideally be taken by students in their junior year. *Prerequisite: POLI 325, POLI 326, or instructor's permission.*

**POLI 340 International Relations (3)**

The foundations and development of the nation-state system are explored, with an emphasis on policy formation and conflict resolution. *Meets the general studies elective requirement in Heritage and Institutions.*

**POLI 360 Classical Political Thought (3)**

This course is a study of ancient Greek political thought with some reference to Roman and medieval political thought. The course focuses on ideas of justice, nature and human nature.

**POLI 363 Modern Political Thought (3)**

This course is a study of major political thinkers from 16<sup>th</sup> century to the present. *Meets the general studies elective requirement in Heritage and Institutions.*

**POLI 376 The American Founding (3)**

This is a study of the central ideas of American constitutional democracy as they are illuminated in selected writings of the American founders and in modern contemporary scholarship on the American founding. *Meets the general studies elective requirement for Heritage and Institutions. Prerequisite: POLI 150, POLI 160, or instructor's permission*

**POLI 390 History and Politics of the Non-Western World (3)**

This course offers an overview of historical and political patterns in one pre-announced selected area of the non-Western developing world. *This course may be repeated for credit as the topic varies.*

**POLI 399 Political Science Practicum (8)**

This practicum gives credit for field work in an area chosen by the student. The American Studies Program and the University of California, Davis' Capitol Campus program offer internship opportunities in Washington, DC, and Sacramento. Other local opportunities include government agencies, political parties, and political campaign organizations. *Up to eight units may be earned. Only six units are counted towards the political science major/minor. All other units count as elective credits.*

**POLI 400 Seminar on American Politics (3)**

This course facilitates inquiry into one pre-announced aspect of American politics, such as political parties, voting behavior, or interest

groups. Other regularly offered topics include the presidency, Congress, and the federal court system. *This course may be repeated for credit as the topic varies. Prerequisite: POLI 150 or instructor's permission*

### **POLI 471 Political Topics (8)**

Subject matter for this course varies and may include topics in political theory, American government, and international affairs. Possible topics include: nuclear arms, religion and politics, and presidential elections. *POLI 271 and POLI 471 may not be taken concurrently, and additional work is required in POLI 471. This course may be repeated for credit as the topic varies. Up to eight units may be earned for participation in seminars offered by the American Studies Program.*

### **POLI 496 Senior Seminar: Religion and Politics (3)**

This seminar focuses on the ethical, political, and historical implications of ideas both in their historical context and in contemporary society. *Meets the general studies requirement as a Senior Seminar in God's Word and the Christian Response. Prerequisites: POLI 300; senior standing, completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

### **POLI 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

### **POLI 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

### **POLI 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, electronic media, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of Mathematics and Physics

## Faculty

*Chair and Professor: Donald Isaak, Ph.D.*

*Associate Professors: Jack Carter, M.S.;  
Edward Lulofs, Ph.D.; Gary L. Wood, M.S.*

*Assistant Professor: Tedd Szeto, Ph.D.*

*Lecturers (part time): Brian Anderson,  
Mark Arvidson, Brian Croissant, Jennifer  
Merrick, Juanita Ortman, Tom Shirey,  
Paul Spielman, Leslie Wickman*

## Mathematics

### Introduction

The mathematics major at Azusa Pacific University provides students with a general basis in mathematics. The student who majors in mathematics has the option of obtaining a Bachelor of Arts or a Bachelor of Science degree. Both degrees have the same mathematics requirements, which include a balance of both pure and applied mathematics, but the B.S. degree includes a minor in physics, chemistry, or computer science. (See these subject areas for requirements and course descriptions.) The mathematics major may choose a minor in business to prepare for entrance into an MBA program.

### Career Opportunities

The completion of a mathematics degree at Azusa Pacific University enables the student to enter a variety of professions related to mathematics (teaching, industry, computer science) upon graduation and prepares them for graduate study. APU graduates have gone on to prestigious graduate schools, accepted choice offers to teach at various secondary schools, and moved into attractive industry positions. There is currently a strong demand for mathematics teachers. Students desiring a junior or senior high school teaching credential should note the requirements of the Single-Subject Waiver Program for mathematics listed in this section.

**Requirements for the Mathematics Major****52 units**

CS 220	Introduction to Computer Science	4
MATH 251/252	Calculus I, II*	5,4
MATH 300	Linear Algebra	3
MATH 310	Discrete Mathematics	3
MATH 350	Differential Equations	4
MATH 355	Advanced Multivariate Calculus	4
MATH 400	Abstract Algebra	3
MATH 450	Introduction to Real Analysis	3
PHYC 251**/252	General Physics	5,5

**Upper-Division Mathematics Electives****9 units**

\*Deficiencies in mathematics units must be made up as electives.

Note: To meet the requirements of the Single-Subject Waiver Program for a teaching credential in mathematics, the nine units of upper-division mathematics electives should be met with specific courses MATH 315, MATH 340, and MATH 360. Also, this credential program requires, in addition to the mathematics major, EDUC 300 and MATH 480\*\*.

\*\*Meets a general studies requirement.

**Requirements for the Mathematics Minor****26 units**

CS 220	Introduction to Computer Science	4
MATH 251/252	Calculus I, II*	5,4
MATH 300	Linear Algebra	3
MATH 350	Differential Equations	4

**Upper-Division Mathematics Electives****6 units**

\*Deficiencies in mathematics must be made up as electives.

**Physics****Introduction**

The Department of Mathematics and Physics curricula enables students to better understand God's universe through the precision and accuracy of the language of mathematics and by investigating relevant physical laws. The practical application of these studies in our society as it becomes more dependent on technological sophistication is emphasized.

**Career Opportunities**

The study of physics focuses on broad topics such as matter, energy, gravitation, electricity and magnetism, atomic and nuclear structures, the theory of relativity, and quantum mechanics. Members of the APU physics faculty have expertise in mathematical physics, theoretical high-energy physics, fractal and chaotic systems, wavelet analysis, mineral physics, geophysics, and theoretical solid state physics.

The physics major is especially appropriate for students who wish to teach physics, but can also be a step towards advanced studies. It recognizes a growing need for trained scientists to serve as physics teachers at all levels of education. Furthermore, trained Christian scientists who teach in the physical sciences will demonstrate that scientific and biblical world views are compatible in physical science. This emphasis complements the overall strength at APU in education training. Other specific career options include work in materials science, space exploration, aerospace, basic research, and the computer industry. A physics major is also an excellent stepping stone for further studies in a wide range of interdisciplinary fields.

**Requirements for the Physics Major****62 units**

A minimum of 38 physics units, 17 mathematics units, 4 chemistry units, and 3 computer science units are required for the physics major. In addition, there are 64 units of general studies requirements; 126 units are required for a Bachelor of Science in Physics degree. Included are the specific course requirements for a physics major. Other specific requirements occur with the selection of a minor.

**Physics Requirements****38 units**

Up to 36 physics units are currently available at APU in listed courses.

PHYC 251*/252	General Physics I, II	5,5
PHYC 301	Statics	3
PHYC 302	Dynamics	3
PHYC 361	Electricity and Magnetism	3
PHYC 362	Electric Circuits	3
PHYC 451/452	Modern Physics I, II	3,3
PHYC 490	Seminar	1
MATH 430	Mathematical Physics	3
CHEM 401	Physical Chemistry I	4

\*Meets a general studies requirement.

The remaining two units are satisfied by lab experience in one of two options. Two semester units of an advanced physics laboratory can be transferred from another school. For example, either of the two courses at the University of Southern California (USC) entitled Senior Lab PHY 491 Lab would be appropriate. The USC lab includes nuclear magnetic resonance, superconductivity, Compton scattering, nuclear counting, atomic emission spectra, and the Stern-Gerlach experiment. The student can waive the option to take the upper-division lab at another university, and sign up for PHYC 498 Directed Research or 499 Thesis/Project (2 units).

**Mathematics Requirements** **17 units**

MATH 251	Calculus I	5
MATH 252	Calculus II	4
MATH 350	Differential Equations	4
MATH 355	Advanced Multivariate Calculus	4

**Chemistry Requirements** **4 units**

CHEM 151	General Chemistry I*	4
CHEM 152	General Chemistry II	4

(CHEM 152 is a recommended prerequisite to CHEM 401 Physical Chemistry I, but the physics major only requires CHEM 151 or CHEM 152.)

\*Meets a general studies requirement.

**Computer Science Requirements****3 units**

Take at least one of the following:

CS 210	Microcomputer Programming in Basic	3
CS 220	Introduction to Computer Science	4
CS 330	Systems Programming, C-language	3
CS 350	Ada Programming Language	3
CS 380	Scientific Programming, FORTRAN	3

**Minor Requirements**

The Bachelor of Science degree requires that the student have a minor in another area of science, engineering, or mathematics. The minors available at APU include: biology, chemistry, computer science, and mathematics. See those sections for specific requirements.

**Physics Minor**

A physics minor is offered. This minor is ideal for students majoring in mathematics, chemistry, or biology and meets the requirements for a B.A. degree.

**Requirements for the Physics Minor** **22 units**

Requirements for a physics minor are met by successful completion of 10 units of general physics and 12 units selected from upper-division physics courses and MATH 430.





## Math/Physics

### Requirements for the Math/Physics Major **51 units**

A computer programming language course	3
CHEM 151 General Chemistry I*	4
CHEM 401 Physical Chemistry I	4
MATH 251/252 Calculus I, II	5,4
PHYC 251*/252 General Physics I, II	5,5

### Upper-Division courses **21 units** (minimum of six units in Physics)

\*Meets a general studies requirement.

## Pre-Engineering Program

### 2/2 Program

In the 2/2 Program, a student completes a list of prescribed courses at Azusa Pacific University, then transfers to a school offering the engineering specialization of his/her choice to take the remaining course work required for graduation from that institution.

Under normal circumstances, students are able to complete the APU requirements in two years and the additional requirements in two more years, hence the designation 2/2 Program.

### APU Requirements for the 2/2 Program

CHEM 151 General Chemistry I*	4
COMM 111 Public Communication*	3
CS XXX Computer Language Course	3
CSA 101 Beginnings*	1
ENGL 101 College Composition* (transfer students only)	3
— or —	
ENGL 110 Freshman Writing Seminar*	3
HIST 151 U.S. History to 1865	3
MATH 251/252 Calculus I, II	5,4
MATH 300 Linear Algebra	3
MATH 350 Differential Equations	4
MATH 355 Advanced Multivariate Calculus	4
PE XXX Two Physical Education Courses*	1,1
PE 240 Health Education*	2

\*Meets a general studies requirement.

PHYC 101 Introduction to Engineering	2
PHYC 251*/252 General Physics I, II	5,5
PHYC 301 Statics	3
PHYC 302 Dynamics	3
PHYC 362 Electric Circuits	3
UBBL XXX Old Testament Course	3
— or —	
UBBL XXX New Testament Course	3

\*Meets a general studies requirement.

### 3/2 Program

In the 3/2 Program, a student completes a list of prescribed courses at Azusa Pacific University, then transfers to a school offering the engineering specialization of his/her choice to take the remaining course work required for graduation from that institution. Upon receiving the engineering degree from the other institution, the student also earns a Bachelor of Arts degree from Azusa Pacific University.

Under normal circumstances, students are able to complete the APU requirements in three years and the additional requirements in two more years, hence the designation 3/2 Program.

### APU Requirements for the 3/2 Program

All the courses required for the 2/2 Program, and:

ENGL 111 Introduction to Literature*	3
PHYC 235 Materials and Processes	3
PHYC 401 Physical Chemistry I	4
PSYC 110 General Psychology*	3
SOC 120 Introduction to Sociology*	3
THEO 303 Theology and the Christian Life*	3
Religion elective	3
Two semesters of one foreign language*	4,4

\*Meets a general studies requirement.

## Course Descriptions

### Mathematics

#### MATH 001 Introductory Mathematics (2)

This is a remedial mathematics course for the student without the necessary background to enter MATH 090 Elementary Algebra. Topics include arithmetic of whole numbers, fractions, decimals, order of operations, signed numbers, elementary linear equations, and introductory algebra. This course is not open to students who have had a more advanced mathematics course. Placement in this course is by the mathematics department placement test ONLY. *This credit/no credit course does not count for credit toward units needed for graduation.*

#### MATH 090 Elementary Algebra (3)

Elementary algebra, including real number operations, polynomials and exponents, solving equations and inequalities, factoring, rational expressions, roots, radicals, graphing, and systems of equations, is the focus of this course. The course is not open to students who have had a more advanced mathematics course. *It neither meets the general studies requirement for University Skills nor counts toward the total units needed for graduation. Prerequisite: MATH 001 or an appropriate score on the APU Mathematics placement test*

#### MATH 110 College Algebra (3)

This course is a study of basic college algebra, including linear equations and inequalities, quadratic equations, systems of equations, radicals, zeros of polynomials, and other topics. *Meets the general studies requirement in University Skills. Prerequisite: MATH 090 or appropriate score on the APU Mathematics placement test*

#### MATH 115 Analytical Inquiry (3)

This course is an alternative to MATH 110 College Algebra for the nonscience major. It offers a unique approach to the treatment of introductory applied mathematics. The material is case-study driven, including projects like obtaining auto insurance or loans, how inflation affects the economy, etc. Mathematical thought is stressed in developing numeracy. *Meets the general studies requirement in University Skills.*

It may not be taken by a student who has already passed a more advanced mathematics course for credit. *Prerequisite:* MATH 090 or appropriate score on the APU Mathematics placement test

### **MATH 150 Precalculus (3)**

This course prepares students for the calculus sequence. Topics covered include number systems, analytic geometry, elementary function theory (including logarithmic and trigonometric functions), and basic proof techniques. *Prerequisite:* proficiency in high school algebra or MATH 110

### **MATH 151 Applied Calculus I (3)**

This calculus course is designed for students in business, biology, and other fields that require more focus on applications, rather than mathematical rigor, in a calculus course. Included are differentiation and integration of algebraic functions and their applications, and an introduction to exponential and logarithmic functions. *Prerequisite:* two years of high school algebra, MATH 110, or equivalent

### **MATH 152 Applied Calculus II (3)**

Topics introduced in MATH 151 are further developed. Functional forms (exponential, logarithmic, periodic, logistic, surge) and their applications to real-world problems are explored, techniques for differentiation and integration examined, and functions of several variables studied. Concepts and applications of probability and statistics are also introduced. Math concepts are studied with a project approach and appropriate use of technology. *Prerequisite:* MATH 151

### **MATH 251 Calculus I (5)**

Students are introduced to the basic techniques of calculus of one and several variables, including differentiation and integration, analytic geometry, vector analysis, differential equations, and infinite series. *Prerequisite:* MATH 150 or equivalent

### **MATH 252 Calculus II (4)**

Students are introduced to the basic techniques of calculus of one and several variables, including differentiation and integration, analytic geometry, vector analysis, differential equations, and infinite series. *Prerequisite:* MATH 251 or equivalent

### **MATH 300 Linear Algebra (3)**

Matrices and linear transformations and their generalizations in vector space theory are covered. *Prerequisite:* MATH 251 or instructor's permission

### **MATH 301 Mathematics Concepts for Elementary Teachers (3)**

The course provides the foundations of modern mathematics needed by the elementary school teacher. It is not a methods course, but a prerequisite to the Multiple-Subject Teaching Credential Program. *It does not count toward a mathematics major or minor.*

### **MATH 310 Discrete Mathematics (3)**

Finite mathematical systems are the focus of the course. Topics include sets, mathematical mappings, graphs, trees, circuit analysis, Boolean algebra, symbolic logic, linear programming, and other algebraic systems. *Prerequisite:* MATH 251 or instructor's permission

### **MATH 315 History of Mathematics and Number Theory (3)**

The history of mathematics and number theory from ancient times to the present is covered through methods and concepts, including theorems of Fermat, Euler, divisibility, factorization, primes, congruencies, diophantine problems, and other topics.

### **MATH 340 Geometry (3)**

This course provides a study of Euclidean and non-Euclidean geometry. Also covered are the history of geometry, hyperbolic geometry, space, proof, and logic reasoning. *Prerequisite:* MATH 300 or instructor's permission

### **MATH 350 Differential Equations (4)**

Students are introduced to differential equations, existence and structures of solutions, and applications to physical situations. A computer laboratory approach is used. *Prerequisite:* MATH 252

### **MATH 355 Advanced Multivariate Calculus (3)**

The differential and integral calculus of Euclidean 2- and 3-space are developed in this course. The treatment of real-valued functions of two or more real variables and their partial derivatives are also included. Functions that associate vectors with real numbers are studied. Applications to geometry, physics, and engineering are covered. The course provides a brief study of both double and triple integrals

for functions of two or three variables. A laboratory approach is used in graphing 2- and 3-space group activities and projects. *Prerequisite:* MATH 252

### **MATH 360 Probability and Statistics (3)**

Students gain an introduction to the basic ideas and techniques of probability: counting methods, combinatorics, statistical methods, binomial and normal distributions, moments, correlations, Central Limit Theorem, and hypothesis testing. *Prerequisite:* MATH 252 or instructor's permission

### **MATH 400 Abstract Algebra (3)**

The abstract structure of algebraic systems such as semi-groups, groups, rings, integral domains, and fields are introduced. *Prerequisite:* MATH 300 or instructor's permission

### **MATH 430 Mathematical Physics (3)**

Students apply mathematics to physical problems: special functions, Green's functions and boundary-value problems, tensor analysis, Fourier series, generalized coordinates, and calculus of variations. The course may be applied toward upper-division physics or mathematics major requirements. *Prerequisites:* MATH 350 and MATH 355

### **MATH 450 Introduction to Real Analysis (3)**

This course offers an advanced study of the real-number system, functions, sequences, series, continuity, differentiation, and integration. *Prerequisite:* MATH 252

### **MATH 470 Complex Variables (3)**

Students explore the structure of complex numbers and their functions, differentiation and integration of complex functions, and Cauchy's Theorem. *Prerequisite:* MATH 252

### **MATH 480 Mathematical Reading, Writing, and Presentation (3)**

This course includes a variety of material from topology to statistics, from history to diversity, from writing to research. Reading, writing, and presentations are major components of this course. *Meets the general studies requirement for an upper-division writing intensive course.* *Prerequisites:* MATH 252, MATH 360, and upper-level class standing or instructor's permission

### **MATH 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

### **MATH 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite:* junior or senior standing

### **MATH 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, or electronic media. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites:* upper-division writing intensive course completed or instructor's permission; and junior or senior standing

## **Physics**

### **PHYC 100 Conceptual Physics (2)**

This course covers the topics of mechanics, heat, sound, light, electricity and magnetism, and an introduction to relativity, and quantum mechanics. Physics concepts and thinking skills are emphasized instead of mathematics. *Does not meet the general studies requirement.*

### **PHYC 101 Introduction to Engineering (2)**

Students gain an overview of engineering as a creative and responsive profession and learn about the qualifications of an engineer and the ways in which engineers study, think, work, create, design, and communicate.

**PHYC 110 Principles of Physical Science (4)**

LECTURE, 3 HOURS; LAB, 3 HOURS

This course is an overview of the physical sciences. It is designed for the nonscience student and carries no credit toward a science major or minor. The planets of the solar system, a history of early ideas about the solar system, and topics in physics and chemistry are explored. Emphasis is placed on basic principles and applications to modern technology. Problems requiring mathematical solutions are discussed, but their detailed manipulations are minimized. *Meets the general studies core requirement for Nature.*

**PHYC 180 Earth Science (4)**

LECTURE, 3 HOURS; LABORATORY, 3 HOURS

Students survey the physical characteristics of the earth and the forces acting upon it. The course includes consideration of the earth's place in space; the nature of its crust and interior; the processes that affect its structure; and humanity's role in the processes. *Meets the general studies core requirement for Nature.*

**PHYC 190 Introduction to Astronomy (4)**

LECTURE, 3 HOURS; LAB, 3 HOURS

This course introduces the history of astronomy, the solar system, the stellar systems, galactic systems, and cosmology. A lab is included. *Meets the general studies core requirement for Nature.*

**PHYC 201 Fundamentals of Physics I (4)**

LECTURE, 3 HOURS; LABORATORY, 3 HOURS

This noncalculus-based course covers the topics of mechanics, heat, sound, light, electricity, magnetism, introduction to radioactivity, quantum theory, and the structure of matter. *Meets the general studies core requirement for Nature. Prerequisite: PHYC 100 or high school physics*

**PHYC 202 Fundamentals of Physics II (4)**

LECTURE, 3 HOURS; LAB, 3 HOURS

This noncalculus-based course covers the topics of mechanics, heat, sound, light, electricity, magnetism, introduction to radioactivity, quantum theory, and the structure of matter. *Prerequisite: PHYC 201 or equivalent*

**PHYC 235 Materials (3)**

This course includes a survey of engineering materials with emphasis on mechanical and physical properties and design considerations, ferrous and nonferrous metals, alloys, plastics,

elastomers, cermets, ceramics, and adhesives.

The methods of manufacturing are covered with special consideration given to design factors, productability, and economics relative to machining, forming, casting, working, welding, and powder metallurgy.

**PHYC 251 General Physics I (5)**

LECTURE, 4 HOURS; LAB, 3 HOURS

Students are introduced to the various areas of physics using basic differential and integral calculus. Topics covered include mechanics, heat, sound, light, electricity, and magnetism. *Meets the general studies core requirement in Nature. Prerequisites: PHYC 100 or high school physics, and knowledge of calculus or enrollment in MATH 251*

**PHYC 252 General Physics II (5)**

LECTURE, 4 HOURS; LAB, 3 HOURS

Students are introduced to the various areas of physics using basic differential and integral calculus. Topics covered include mechanics, heat, sound, light, electricity, and magnetism. *Prerequisite: PHYC 251 or equivalent*

**PHYC 301 Statics (3)**

Statics is the branch of physical science that deals with the rest state of bodies under the action of forces. It also includes resultants of force systems and equilibrium on rigid bodies using vector algebra, friction, centroids and centers of gravity, and moments of inertia of areas and masses. *Prerequisite: PHYC 252*

**PHYC 302 Dynamics (3)**

Dynamics is the branch of mechanics that deals with the motion of bodies under the action of forces. Dynamics has two distinct parts: kinematics, the study of motion without reference to the forces that cause motion; and kinetics, which relates the action of forces on bodies to their resulting motions. *Prerequisites: PHYC 252, and PHYC 301 or instructor's permission*

**PHYC 361 Electricity and Magnetism (3)**

Students study the fundamental concepts of electricity and magnetism, electrostatic fields in a vacuum and dielectric materials, solutions of Laplace's and Poisson's equations, and electromagnetic waves. *Prerequisite(s): MATH 251, MATH 252, MATH 350, or MATH 355; or instructor's permission*

**PHYC 362 Electric Circuits (3)**

Circuit analysis by reduction methods, source transformations, loop and nodal analysis, frequency and time response of networks, alternating current circuits, two-port parameters, impedance, power, and computer-aided network analysis and applications are covered.

*Prerequisite(s): MATH 251, MATH 252, PHYC 251, PHYC 252, and PHYC 361; or instructor's permission*

**PHYC 451 Modern Physics I (3)**

Examines modern physical theories, structure of the atom, introduction to wave mechanics, particle-wave quality of light and matter, special relativity, nuclear energy, and particle physics.

*Prerequisite: PHYC 252*

**PHYC 452 Modern Physics II (3)**

Examines modern physical theories, structure of the atom, introduction to wave mechanics, particle-wave quality of light and matter, special relativity, nuclear energy, and particle physics.

*Prerequisite: PHYC 252*

**PHYC 490 Science Seminar (1)**

This course, offered jointly by the Departments of Biology and Chemistry, Computer Science, and Mathematics and Physics, consists of reviews, reports, and discussions on current scientific literature. It is offered based on demand.

**PHYC 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**PHYC 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**PHYC 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, or electronic media. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of Modern Languages

## Faculty

*Associate Dean, College of Liberal Arts and Sciences; Chair; and Professor:*  
Máximo Rossi, Jr., Ph.D.

*Associate Professor:* Dixie Pieslak, M.A.

*Assistant Professor:* June Hamlow, M.A.

*Instructor:* Aroldo Solorzano, M.A.

*Lecturers (part time):* Stephanie Driscoll,  
Juan Guerrero, Sean O'Connor, Naoki Okamura, William Wang

## Modern Languages

### Department Overview

The Department of Modern Languages prepares students as citizens of a global community by means of innovative methodologies, with a firm anchoring in a Christian perspective and academic excellence. Knowledge of foreign languages has always been the mark of an educated person and is recognized by APU as an integral part of a liberal arts education. The Department of Modern Languages offers a Bachelor of Arts degree and minor in Spanish and course work in Chinese, French, German, and Japanese. Study of these languages provides students with the opportunity to simultaneously develop basic language skills and gain valuable insight into foreign cultures. This insight allows students to better understand themselves, their language, and their cultural traditions. Students also become more sensitive to and tolerant of the differences of ideas, communication styles, and cultural and economic networks connecting diverse peoples and regions. The study of foreign languages can open unimagined doors to new experiences and challenging careers.

The department assists students in acquiring a level of practical language proficiency, intercultural sensitivity, and cultural knowledge (including geography, family system, history, religion, and literature) through which students gain an appreciation of the national thought, communication, and

cultural contributions of ethnic groups; attractively commend the Gospel among speakers of other languages who have no allegiance to Jesus Christ; and work, as the Holy Spirit leads, through business, trade, civil service, education, medicine and health, social services, law, agriculture, etc., to create among those populations a social order more agreeable to God.

### Fulfilling the Foreign Language Requirement for General Studies

Two semesters of foreign language study (e.g., SPAN 101 and SPAN 102, or equivalent language study abroad) meets the APU general studies requirement. This requirement may be waived if the student has had two years of the same foreign language in high school with a grade-point average of 3.0 or better. Beginning fall 2001, foreign language for entering students will no longer be validated by high school course work.

### Off-Campus Study

The Modern Language faculty encourages students to study off campus as part of their undergraduate program. For example, a variety of short-term study and service opportunities—in Los Angeles, Mexico, Latin America, and Spain—exist for students interested in further enhancing their Spanish language and cultural skills within a Spanish-dominant environment. Many of these opportunities are credit-bearing. Similar opportunities exist for the learning of other languages. Students should consult with a modern languages advisor.

### Language Tutoring

The Learning Enrichment Center offers a tutorial system wherein students may receive supplemental practice in Spanish and other foreign languages.

### Independent Study

A student who wishes to study on-location, a language **not offered by the department**

may enroll in GLBL 300 Self-Directed Language Learning as an individualized text/cassette/tutorial-based program of study. The request must be accompanied by a detailed study plan and specific objectives as worked out by the student and the advisor. This arrangement is limited to students who previously studied a language, hold junior standing, and demonstrate an ability for independent study.

## Spanish

### Introduction

Azusa Pacific University is strategically situated in the midst of the first community in the continental United States where English-speaking European Americans are the numerical minority. Dubbed the “capital of the Mexican dream,” Los Angeles now exists as the second largest Spanish-speaking city in the world. This broadly termed Latino or Hispanic population, while by no means a homogeneous group, has much in common because of their shared beliefs, life patterns, and language. Indeed, Spanish has become the fourth most widely spoken language in the world and the second most frequently used language in the Southwest. Mexicans, Salvadorians, Guatemalans, Nicaraguans, Spaniards, Cubans, and many other Spanish-speaking peoples exert a profound impact on the local scene, altering the appearance, character, and institutional life of the city.

Nowhere is this so obvious as in the schools. In 1990, the California Department of Education reported that of the 1.4 million children enrolled in Los Angeles schools, 27 percent did not speak English. The majority of these are Latino. The population identified as limited-English proficient (LEP) statewide has doubled since 1985 to nearly one million. There is an acute shortage of bilingual and traditional

teachers equipped to effectively use the students' language and culture to promote academic achievement. For students who plan to teach at the elementary level, a Spanish minor meets bilingual Spanish concentration course work requirements.

### Career Opportunities

Apart from teaching, a myriad of other public contact fields now require some proficiency in Spanish. Law enforcement, Christian missions, medicine, social work, nursing, municipal services, advertising, journalism, foreign service, translation services, international finance and banking, and the rapidly expanding world of international business—these fields, and many others, increasingly seek candidates who possess Spanish language ability and cultural sensitivity as adjunct career skills. Especially for students who might have studied foreign languages in high school and still perform at beginner levels, a Spanish major or minor enables students to acquire the language and culture skills appropriate to a variety of public service applications.

A Spanish major or minor also appeals to students who simply enjoy exploring the language and cultural traditions of other peoples. The modern languages faculty views knowledge of language, culture, and literature, along with developed intercultural skills, as integrally related facets of the phenomenon of communication which will help students to better understand each other and strengthen a sense of community. The insights gained from study within the Spanish major or minor affords students the opportunity to critically reflect upon their own cultural values and traditions and to develop a more sensitive, flexible, and enriched people.

### Requirements for the Spanish Major 45 units

Spanish majors are expected to plan one study term abroad.

#### Language 16 units

(16 units beyond elementary Spanish or equivalent\*)

SPAN 101	Elementary Spanish (fall or Summer Session I)	4
SPAN 102	Elementary Spanish (spring or Summer Session II)	4
SPAN 201	Intermediate Spanish (fall or Summer Session I)	3
SPAN 202	Intermediate Spanish (spring or Summer Session II)	3
SPAN 250	Intermediate Conversation and Writing Abroad (Summer I or II)	3
SPAN 310	Advanced Language—Study Practicum (fall, spring, or Summer Sessions in a Spanish-speaking country)	4
SPAN 320	Advanced Spanish Composition	3

\*See “Fulfilling the Foreign Language Requirement.” Students who are native speakers of Spanish or have three to four years of high school Spanish should, after consulting with their advisor, enter directly into upper-division work. Spanish majors are required to complete a minimum of one-half of their major requirements at the APU campus.

#### Civilization and Culture 6 units

SPAN 311	Civilization of Spain and Mexico	3
SPAN 312	Latin American Civilization	3

#### Literature 9 units

SPAN 421	Survey of Spanish Literature	3
SPAN 422	Survey of Latin American Literature	3
SPAN 431	Spanish Language Poetry and Short Story — or —	3
SPAN 432	Literary Masters	3

#### Applied Linguistics 3 units

SPAN 440	Spanish Applied Linguistics	3
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#### Integration Course 2 units

SPAN 480	Senior Seminar	2
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#### Electives 9 units

Elective options may include:

- Spanish courses
 

SPAN 431	Spanish Language Poetry and Short Story	3
SPAN 432	Literary Masters	3
SPAN 450	Spanish Language Pedagogy	3
SPAN 494	Internship	3
SPAN 497	Readings in Spanish	3
- Study-abroad course work (completed at a “host” institution in a Spanish-speaking country)
- Global Learning Term course work (completed anywhere in the Spanish-speaking world)
 

GLBL 320	Field Orientation	1
GLBL 325	Family Homestay	1
GLBL 335	Intercultural Service-Learning Practicum	3
GLBL 340	Life and Culture Seminar	3
GLBL 350	Global Study Project	3

### Requirements for the Spanish Minor 12 units

#### Prerequisites\*

SPAN 101	Elementary Spanish I	4
SPAN 102	Elementary Spanish II	4
SPAN 201	Intermediate Spanish I	3
SPAN 202	Intermediate Spanish II	3

\*See “Fulfilling the Foreign Language Requirement.” Students who are native speakers of Spanish or have three to four years of high school Spanish should, after consulting with their advisor, enter directly into upper-division course work. Spanish majors are required to complete a minimum of one-half of their major requirements at the APU campus.

#### Required Course Work 12 units

### Language Study Abroad 3-4 units

Required for majors/minors. Choose from:

SPAN 250	Intermediate Conversation and Writing Abroad	3
SPAN 310	Advanced Language Study Practicum	4
SPAN 320	Advanced Spanish Composition	3

#### Language 3 units

Choose from:

SPAN 320	Advanced Spanish Composition	3
SPAN 431	Spanish Language Poetry and Short Story	3
SPAN 432	Literary Masters	3
SPAN 440	Spanish Applied Linguistics	3

#### Civilization and Culture 3 units

SPAN 311	Civilization of Spain and Mexico — or —	3
SPAN 312	Latin American Civilization	3

#### Literature 3 units

SPAN 421	Survey of Spanish Literature — or —	3
SPAN 422	Survey of Latin American Literature	3

## Course Descriptions

### Spanish

#### SPAN 101 Elementary Spanish I (4)

This two-course sequence emphasizes practical Spanish communication in real-life situations for beginners. The course addresses the basic pronunciation, intonation, and structure of Spanish within a framework designed to develop basic listening, speaking, reading, and writing skills. Special cultural presentations supplement language study. Classes meet five hours a week. *Meets the general studies requirement for University Skills.*

#### SPAN 102 Elementary Spanish II (4)

This is a continuation of SPAN 101.

*Prerequisite: SPAN 101*

**SPAN 201 Intermediate Spanish I (3)**

This course is a continuation of SPAN 101/102 and involves a review of Spanish grammar, intensive practice in conversation, broad vocabulary development, and the writing of guided, original compositions.

**SPAN 202 Intermediate Spanish II (3)**

This course is a continuation of SPAN 201.  
*Prerequisite: SPAN 201*

**SPAN 250 Intermediate****Conversation and Writing Abroad (3)**

This course provides intensive conversation with supportive written language practice in a select site abroad. Discussion of assigned social, cultural, or literacy topics at an intermediate level is required. The course is arranged in tour-fashion during Summer Session.

**SPAN 301 Advanced Spanish (3)**

This advanced Spanish course provides opportunities for Spanish conversation and composition to students who have already completed the elementary and intermediate Spanish levels. It reinforces grammatical structures and emphasizes communication skills and stylistics.

**SPAN 310 Advanced****Language-Study Practicum (4)**

This course features individualized field study in a Spanish-speaking milieu under the combined direction of a faculty advisor and an on-field supervisor. It provides students with a one-term immersion into Spanish language and culture with opportunities for participating in special research and/or service projects, family home-stays, and/or field seminars.

**SPAN 311 Civilization of Spain and Mexico (3)**

The course covers Spanish and Mexican history from early development through the modern era. Each country's art, literature, religion, and architecture is discussed simultaneously with related historical events. Class is conducted in Spanish.

**SPAN 312 Latin American Civilization (3)**

This course surveys the history and aspects of the literature, arts, and institutions of Latin America from pre-Columbian time to the modern age. Class is conducted in Spanish.

**SPAN 320 Advanced Spanish Composition (3)**

In this writing course, students deal with composition techniques and creative writing

in the Spanish language. Various writing styles are covered. *Recommended prerequisite: SPAN 201 or SPAN 202*

**SPAN 421 Survey of Spanish Literature (3)**

The development of literature from *El Cid* and the recently discovered jarchas through the 20<sup>th</sup> century is reviewed. This is a survey course which acquaints students with the major periods of Spanish literature and outstanding writers of Spain. Class is conducted in Spanish.

**SPAN 422 Survey of Latin American Literature (3)**

This course begins with colonial literature in Latin America and continues through the present day. It is intended as a survey of prominent authors and their works. Class is conducted in Spanish.

**SPAN 431 Spanish Language Poetry and Short Story (3)**

An introduction to exemplary poetry and short stories of Spanish and Spanish American authors is provided. Several works are explored in-depth during the course. Actual title may vary from term to term.

**SPAN 432 Literary Masters (3)**

This course provides students with a detailed understanding of select outstanding Spanish and Latin American literary works and the great authors that wrote them. Because the authors under study are divided over three semesters, the course can be repeated for credit.

**SPAN 440 Spanish Applied Linguistics (3)**

A study of the basic components of language (sounds, word structures, grammatical patterns, and meaning constructions), error analysis, and contrastive analysis in Spanish is offered. The course includes a review of Spanish dialectical differences, their origins, and social implications. *Students may also enroll in ENGL 402.*

**SPAN 450 Spanish Language Pedagogy (3)**

Analysis and discussion of second-language acquisition theory, and the various instructional strategies, technologies, materials, and assessment techniques in Spanish teaching and learning are covered.

**SPAN 480 Senior Seminar (2)**

This course provides senior Spanish majors with extensive conversational and writing practice on a variety of topics. Students reflect upon, reinterpret,

and organize their field study in light of their prefield preparation. They discuss their findings with other students and faculty, evaluate changes in themselves, write summaries, and prepare and present a formal project. *Meets general studies requirement of a senior seminar.*

**SPAN 494 Internship (3)**

For students planning to teach Spanish, this course provides an opportunity for directed experiences in applying foreign language skills to specific tasks. The tasks are arranged individually and supervised directly by the instructor. Tasks are geared to the individual goals of the student. Enrollment is contingent upon departmental approval.

**SPAN 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**Other Modern Languages****CHIN 101/102 Elementary Chinese I/II (4,4)**

This two-course sequence in Mandarin Chinese is designed for beginners. Basic pronunciation, intonation, and structure of Chinese within a framework are emphasized which develop basic listening and speaking skills. Related aspects of Chinese culture supplement language study. Classes meet five hours per week. *Meets the general studies requirement for University Skills.*

**FREN 101/102 Elementary French I/II (4,4)**

LECTURE, 4 HOURS; LABORATORY, 1 HOUR  
This two-course sequence emphasizes listening comprehension (via video program) and practical French communication in real-life situations for beginners. The courses address the basic pronunciation, intonation, and structure of French within a framework which develops basic listening, speaking, reading, and writing skills. Related aspects of francophone culture supplement language study. Classes meet five hours per week. *Meets the general studies requirement for University Skills.*

**FREN 201/202 Intermediate French I/II (3,3)**

The course includes intensive listening and conversational practice, featuring aural comprehension of video tapes and situation-based dialogues. The cultural topics explored relate

language to society to prepare students for service-learning projects in select francophone countries.

**GERM 101/102 Elementary German I/II (4,4)**

This two-course sequence emphasizes practical German communication in real-life situations for beginners. The course addresses the basic pronunciation, intonation, and structure of German within a framework designed to develop basic listening, speaking, reading, and writing skills. Related aspects of German culture supplement language study. Classes meet five hours per week. *Meets the general studies requirement for University Skills.*

**GERM 201/202 Intermediate German I/II (3,3)**

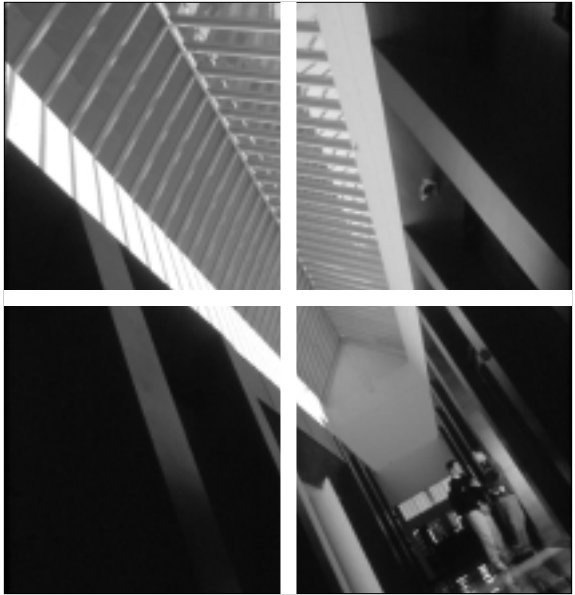
This course includes intensive conversational practice in real-life situations. Reading German literature, discussing current events related to German culture, grammar review, and composition exercises are also included.

**GLBL 300 Self-Directed Language Learning (3)**

This course provides an individually tailored, community-based program for developing proficiency in a foreign language. Emphasis is placed on intensive listening and speaking practice to facilitate full participation in family, study, research, and service activities in a foreign culture. This option is offered only for language courses not taught on campus.

**JAPA 101/102 Elementary Japanese I/II (4,4)**

This two-course sequence in Japanese is designed for beginners. Basic pronunciation, intonation, and structure of Japanese are studied to develop basic listening and speaking skills. Related aspects of Japanese culture supplement language study. Classes meet five hours per week. *Meets the general studies requirement for University Skills.*



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## **Center for Accelerated Degree Programs**

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# Center for Accelerated Degree Programs

## Faculty

*Director and Professor: Fred G. Garlett, Ed.D.*

*Associate Professor: Jerry Houser, Ph.D.*

*Assistant Professors: Richard C. Durfield, Ph.D.; Cathy Heffernan, M.Ed.*

## Introduction

The Center for Accelerated Degree Programs recognizes that the adult learner may have acquired knowledge through professional and personal experiences and has established a program to assess such learning in order to award academic credit. The Council for Adult and Experiential Learning (CAEL) and the American Council of Education (ACE) guidelines are used in order to ensure responsible evaluation.

## The Degree Completion Concept

The Degree Completion Programs are experience-based degrees for working adults, offering majors in four different areas: Applied Management, Management Information Systems/Computer Information Systems, Christian Leadership, and Human Development. The programs center around an experiential learning concept—a unique alternative to the traditional approach. Experiential learning links curricula to past, present, or planned career activities. Through this method, students can earn up to 30 semester hours of credit for significant life experience by means of a formalized petition process called the Portfolio.

Designed specifically for the adult learner, the programs offer flexible class scheduling, convenient locations, accelerated curricula, and a simplified registration process. Perhaps the most distinctive element of the program is “reality-based learning,” the

process of integrating textbook theory with the student’s work and life experiences. Students learn how to evaluate and enhance their lives personally and professionally.

Degree Completion Program courses are taught sequentially, and the rich diversity of experiences which students bring to the class results in lively discussions involving shared experiences. Because students stay with the same group (cohort) throughout the course of study, they develop a strong rapport with other group members who act as a support system through the completion of the degree.

## B.S. in Applied Management

### Introduction

The Bachelor of Science in Applied Management allows the student to complete study in little more than a year. In this accelerated, three-term format, a 39-semester-hour curriculum is concentrated into 58 weekly four-hour class sessions.

The Applied Management Program brings together, from a variety of disciplines, key interpersonal ideas and skills, and develops the knowledge and skills required to understand organizational functioning. The student’s business acumen is integrated with concepts and themes from other sciences to understand, predict, and direct change and make decisions about the behavior of people and organizations. The program provides opportunities for students to implement these ideas in organizational situations; in other words, to apply, use, and evaluate their learning.

The program combines an intensive series of integrated seminars with a work-related research project which improves the stu-

dent’s skills in communication, research, interpersonal relationships, group dynamics, supervision, and management. The student also develops a better understanding of the research and writing process, the relationship of the liberal arts to the job and home, and integration of values and ethics with human relationships and work.

As part of the course work, the student prepares a portfolio which demonstrates a self-assessment and evaluation of prior learning. The portfolio and other documents presented in support of this learning are assessed, and credit granted (maximum of 30 semester units) by trained evaluators and faculty members according to policies established by the faculty.

Students must have 60 semester units of transferable credit from an accredited college or university to be considered for the program.

The curriculum for the last 39 semester units of the program is taught in a modular format. The courses are multidisciplinary in nature, drawn from business, social sciences, psychology, general studies, liberal arts, religion, and philosophy. Students are grouped in discussion units (cohorts) of 18-24 students. Groups are flexible and may be started at any time during the year.

### Admission Requirements

To be admitted to the Applied Management Degree Completion Program, a student needs:

- A minimum of 60 transferable semester units from accredited colleges or universities
- Official transcripts from all schools attended (two copies)
- A grade-point average of 2.0 or above in the transferred courses
- A writing sample that demonstrates written communication skills



When the requirements have been met, students receive a letter of admission and statement of estimated accepted credits.

The program is not recommended for students who lack proficiency in basic academic skills, especially collegiate-level English communication skills. For more information about the Bachelor of Science in Applied Management, call (626) 815-5301.

## Course Descriptions

### Term One

#### **BMGT 301 Dynamics of Group Behavior (3)**

Students examine group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on the principles of group dynamics, problem solving, decision making, diagnosis and resolution of conflict, and managing meetings.

#### **BMGT 302 Adult Development and Learning Assessment (3)**

An understanding of development and learning processes is cultivated. Students conduct personal and professional assessments, documented by a portfolio. Additional credit for prior extra-collegiate learning may be earned through the portfolio.

#### **BMGT 304 Organizational Analysis (3)**

Students analyze how organizations function as complex systems, focusing on the inter-relatedness of organizational purpose, structure, leadership, relationships, and rewards in the organization featured in their case study.

#### **BMGT 303 Introduction to Research Methodology (2)**

Students learn the purpose and value of research as a problem-solving tool in organizations. Approaches for identifying, analyzing, and researching organizational problems are emphasized as students select and review an appropriate organizational problem for their applied research projects.

#### **BMGT 401 Directed Study: Applied Research Project I (1)**

Students describe the purpose, setting, history, background, scope, and importance of their applied research topics.

### Term Two

#### **BMGT 410 Principles of Management and Supervision (3)**

Students identify the actual roles managers play in complex organizations. This course prepares students for managerial roles while helping them to work more effectively with current managers. Management theory is critically evaluated for its usefulness in light of actual practices.

#### **BMGT 306 The Bible and Business Ethics (3)**

This course introduces the student to moral issues involved in business practice. Students reflect on what it means to be a good business woman or man in the context of biblical wisdom, principles, and virtues and apply this wisdom to expedite the resolution of business and management problems.

#### **BMGT 402 Directed Study: Applied Research Project II (1)**

Students conduct and write a literature review related to their problem analysis.

#### **BMGT 307 Managerial Communication (2)**

Students refine both written and oral presentation skills. Presenting ideas, reports, and proposals clearly and concisely is the primary goal of this course.

#### **BMGT 408 Introduction to Data Analysis and Presentation (3)**

Students explore how data analysis contributes to making decisions and solving organizational problems. Basic methods of summarizing, analyzing, and presenting research data are explained. Students develop data collection plans for their applied research projects.

### Term Three

#### **BMGT 409 Cultural Influences in the Workplace (3)**

Students consider the relationship between culture and the world of work. In particular, they discover how the United States, especially the world of work, has been shaped by the values of life experiences of various ethnic and racial groups.

#### **BMGT 403 Directed Study: Applied Research Project III (2)**

Students determine a research approach, develop and analyze a possible intervention for solving their organizational problems, and develop a data collection and analysis plan.

#### **BMGT 411 A Christian Worldview and the Professions (3)**

Students develop an articulated Christian worldview which can be applied to the broader issues of society. They develop an integrated approach to business and the common good, and formulate responses to the world view aspects of current professional and social issues.

#### **BMGT 413 Leadership and Change (3)**

This course explores the essential aspects of transformational leadership and examines tools used by transformational leaders to conduct business in today's rapidly changing environment. Students study leadership and influence; budgetary control and finance, approaches to organizational change, and the management of information and technology.

#### **BMGT 412 Integrating Managerial Principles with Practice (2)**

Students integrate concepts learned throughout the program with their current managerial responsibilities. This enables students to evaluate outcomes and achieve closure.

#### **BCLM 404 Directed Study: Applied Research Project IV (2)**

Students report results, draw conclusions, and make recommendations regarding how their organizations should approach their research problem. They summarize their learning and apply them to their personal and professional lives.

# B.S. in Management Information Systems or Computer Information Systems

## Introduction

Students in the Degree Completion Program with majors in Management Information Systems (MIS) or Computer Information Systems (CIS) develop a competitive edge that helps them succeed in the workplace. The program caters exclusively to the adult learner with experience in the computer field. In this accelerated three-term program, the 39-semester unit curriculum is concentrated into 61 weekly four-hour class sessions.

A dual effort between the Department of Computer Science in the College of Liberal Arts and Sciences and the School of Business and Management, this customized program coordinates the students' class and work demands and allows them to begin the program as it suits their schedules. The program allows the student to choose one of two tracks, Management Information Systems or Computer Information Systems.

In addition, students complete a major project integrating the knowledge and methodology learned by designing, developing, and implementing a software project or a comprehensive institution-related project. This project serves as a connection between study and experiential learning and develops problem-solving skills.

## Admission Requirements

To be admitted to the 6I class-session Management Information Systems/Computer Information Systems Degree Completion Program, a student needs:

- A minimum of 60 transferable semester units from accredited colleges or universities
- Official transcripts from all schools attended (two copies)
- A 2.0 grade-point average or above in the transferred courses
- A writing sample that demonstrates written communication skills (submitted at registration)

There are several program prerequisites which may come from academic, personal, or professional experiences that will be assessed by a Background and Prerequisite Questionnaire, including:

Microcomputer Software Tools*	3
Microcomputer Programming*	3
Elective units in CIS or MIS*	3

\*May be met through prior course work taken at APU or another accredited college or university, work experience, or examination.

When the requirements have been met, students receive a letter of admission and a statement of estimated accepted credits.

This program is not recommended for students who lack proficiency in basic academic skills, especially collegiate-level English communication skills.

## Core Computer Courses for Both Programs

CISS 315	Structured Programming I/	
MISS 347	Computer Programming II	3
CISS 325	Database Management Systems/	
MISS 348	Database Program Development	3
CISS 470	Software Engineering I/	
MISS 346	Structured System Design	3

MCIS 250	Operating Systems	3
MCIS 400	Client-Server Technology	3
MCIS 420	Telecommunications and Interfacing	3

## Required Courses for B.S./CIS

MCIS 330	Systems Programming I (C)	3
CISS 335	Systems Programming II (C Language)	3
CISS 350	Computer Algorithms	3
CISS 460/461/462	Software Project I, II, III	1,1,1

## Required Courses for B.S./MIS

MISS 340	Principles of Organization and Management	3
MISS 442	MIS Foundations	3
MISS 443	IT Applications and Management	3
MISS 446/447/448	Advanced Systems Management I, II, III	1,1,1

## Required Courses for Both Programs

BMGT 302	Adult Development and Learning Assessment	3
BMGT 306	The Bible and Business Ethics	3
BMGT 411	A Christian Worldview and the Professions	3

## Course Descriptions

### Management Information Systems Track

#### Term I (12 units/20 weeks)

#### MCIS 250 Operating Systems (3)

An in-depth study of operating systems, including concepts, functions, and requirements. Hands-on experience complements a comparative study of several modern operating systems.

#### BMGT 302 Adult Development and Learning Assessment (3)

An understanding of development and learning processes is cultivated. Students conduct personal and professional assessments, documented by a portfolio. Additional credit for prior extra-collegiate learning may be earned through the portfolio.

#### MISS 347 Computer Programming II (3)

Study of programming language concepts and constructs including syntax and semantics, variables, data types, modules, and input/output. A comparative survey of several programming languages such as Pascal, COBOL, FORTRAN, and C-language. The course includes programming applications in each of several programming languages.

#### MISS 346 Structured Systems Design (3)

A study of the concepts, principles, techniques, methods, procedures, and documents of software planning, requirements, design, development and implementation. Included are systematic approaches to software development and software life cycle. Students participate in a major team project which is continued in MCIS-446 and culminates in a completed software product at the end of the program.

#### Term II (13 units/20 weeks)

#### BMGT 306 The Bible and Business Ethics (3)

This course introduces the student to moral issues involved in business practice. Students reflect on what it means to be a good business woman or man in the context of biblical wisdom, principles, and virtues and apply this wisdom to expedite the resolution of business and management problems.

#### MISS 348 Database Program Development (3)

Introduces students to fundamentals of database management, including database concepts, the database environment, and relational and non-relational database systems. Also included are designing, building, and using practical databases with fourth generation data base software. Students generate user interfaces and reports.

#### MISS 446 Advanced System Management I (1)

In this course, the student integrates the knowledge and abilities gained in other information systems courses with a comprehensive institution-related project. Enrollment is continuous for three terms.

#### MISS 340 Principles of Organization and Management (3)

Considered in this course are elements of managing (planning, organizing, leading, and controlling) with particular emphasis upon organizing and actuating responsibility and authority, delegation, decentralization, the role of staff, line-staff relationships, committees, board of directors, organization charting, formal and informal organization, communication, and reaction to change.

#### MISS 442 MIS Foundations (3)

This course comprises an introduction to management information systems, including fundamentals and problem solving with information technologies. Students become acquainted with the computer hardware, software, telecommunications, and database support systems relevant to the field.

*Prerequisite:* MISS 340

#### Term III (14 units/21 weeks)

#### MISS 443 IT Applications and Management (3)

This course comprises an introduction to information technology (IT) applications and management, including fundamentals and case studies. Students become acquainted with MIS in business and management and learn to approach the management of information technology from the perspective of a changing global environment. *Prerequisite:* MISS 442

#### MISS 447 Advanced System Management II (1)

In this course, the student integrates the knowledge and abilities gained in other information systems courses with a comprehensive institution-related project. Enrollment is continuous for three terms.

#### MCIS 400 Client/Server Technology (3)

This course offers an exploration of client/server application development. Client/server computing is a conceptual model. The client/server paradigm expresses an optimal balance between the use of a personal computer and the strict demand for data integrity necessary in an information society. Client/server

is rapidly becoming the dominant model for database access. This course teaches client/server systems theory and application. All students are expected to develop an application in the client/server environment.

#### **BMGT 411 A Christian Worldview and the Professions (3)**

Students develop an articulated Christian worldview which can be applied to the broader issues of society. They develop an integrated approach to business and the common good, and formulate responses to the worldview aspects of current professional and social issues.

#### **MCIS 420 Telecommunications and Interfacing (3)**

This course teaches the concepts, principles, and methods of data communication, networking, network topologies, interfacing, the Internet and other public networks, and current networking technologies. This course includes limited hands-on applications.

#### **MISS 448 Advanced System Management III (1)**

In this course, the student integrates the knowledge and abilities gained in other information systems courses with a comprehensive institution-related project. Enrollment is continuous for three terms.

### **Computer Information Systems Track**

#### **Term I (12 units/20 weeks)**

##### **MCIS 250 Operating Systems (3)**

An in-depth study of operating systems, including concepts, functions, and requirements is offered. Hands-on experience complements a comparative study of several modern operating systems.

##### **BMGT 302 Adult Development and Learning Assessment (3)**

An understanding of development and learning processes is cultivated. Students conduct personal and professional assessments, documented by a portfolio. Additional credit for prior extra-collegiate learning may be earned through the portfolio.

##### **CISS 315 Structured Programming I (3)**

Students study programming language concepts and constructs including syntax and semantics, variables, data types, modules, and input/output. A comparative survey of several programming languages such as Pascal, COBOL, FORTRAN, and C-language. The course includes programming applications in each of several programming languages.

##### **CISS 470 Software Engineering I (3)**

A study of the concepts, principles, techniques, methods, procedures, and documents of software planning, requirements, design, development and implementations offered. Included are systematic approaches to software development and software life cycle. Students participate in a major team project which is continued in MCIS 460/461/462 and culminates in a completed software product at the end of the program.

#### **Term II (13 units/20 weeks)**

##### **BMGT 306 The Bible and Business Ethics (3)**

This course introduces the student to moral issues involved in business practice. Students reflect on what it means to be a good business woman or man in the context of biblical wisdom, principles, and virtues and apply this wisdom to expedite the resolution of business and management problems.

##### **CISS 325 Database Management Systems (3)**

This course introduces students to fundamentals of database management, including database concepts, the database environment, and relational and nonrelational database systems. Also included are designing, building and using practical databases with fourth generation data base software. Students will generate user interfaces and reports.

##### **CISS 460 Software Project I (1)**

This course integrates and extends the concepts and methodology learned in other courses. Under the general guidance of a faculty advisor, but working independently in teams, students complete the design phase, develop, and finally implement a completed capstone project initiated in MCIS 470. Enrollment is continuous for three terms

##### **MCIS 330 Systems Programming I, C Language (3)**

This course teaches object oriented programming concepts, methods, and techniques using the popular and powerful C++ programming language. Students are assigned programs which demonstrate the power and flexibility of object programming.

##### **CISS 335 Systems Programming II (C Language) (3)**

This is an advanced course in computer programming using the C Language. This course emphasizes structured programming techniques and covers control structures, functions, arrays, pointers, structures, memory allocation, and files.

#### **Term III (14 units/21 weeks)**

##### **CISS 350 Computer Algorithms (3)**

A study of algorithms and related data structures, including linear lists, linked lists, trees, graphs, sorting techniques, and dynamic storage allocation. Applications are implemented using the C++ language.

##### **CISS 461 Software Project II (1)**

This course integrates and extends the concepts and methodology learned in other courses. Under the general guidance of a faculty advisor, but working independently in teams, students complete the design phase, develop, and finally implement a completed capstone project initiated in MCIS 470. Enrollment is continuous for three terms.

##### **MCIS 400 Client/Server Technology (3)**

This course offers an exploration of client/server application development. Client/server computing is a conceptual model. The client/server paradigm expresses an optimal balance between the use of a personal computer and the strict demand for data integrity necessary in an information society. Client/server is rapidly becoming the dominant model for database access. This course teaches client/server systems theory and application. All students are expected to develop an application in the client/server environment.

##### **BMGT 411 A Christian Worldview and the Professions (3)**

Students develop an articulated Christian worldview which can be applied to the broader issues of society. They develop an integrated approach to business and the common good, and formulate responses to the worldview aspects of current professional and social issues.

##### **MCIS 420 Telecommunications and Interfacing (3)**

This course teaches the concepts, principles, and methods of data communication, networking, network topologies, interfacing, the Internet and other public networks, and current networking technologies. This course includes limited hands-on applications.

##### **CISS 462 Software Project III (1)**

This course integrates and extends the concepts and methodology learned in other courses. Under the general guidance of a faculty advisor, but working independently in teams, students complete the design phase, develop, and finally implement a completed capstone project initiated in MCIS 470. Enrollment is continuous for three terms.

## **B.S. in Christian Leadership**

### **Introduction**

The Degree Completion Program with a major in Christian Leadership is for the adult individual involved in church or parachurch ministry, either as a pastor or a lay person. In this accelerated three-term program, the 39-semester unit curriculum is concentrated into 61 weekly four-hour class sessions.

A dual effort between the C. P. Haggard School of Theology and the School of Business and Management, this customized program coordinates the students' class and work demands and is for the adult student who is 25 years of age or older and may be working full time in some business field outside his/her ministry.

In addition, students complete a major project, applying leadership principles

within a Christian organization. This project serves as a connection between study and experiential learning, focusing on leadership principles that are based on sound biblical, theological, and sociological principles.

Instruction is seminar-style with an emphasis on student participation. The integrated curriculum utilizes the student's work environment as a laboratory.

### Admission Requirements

To be admitted to the 61 class-session Christian Leadership Degree Completion Program, a student needs:

- A minimum of 60 transferable semester units from accredited colleges or universities
- Official transcripts from all schools attended (two copies)
- A 2.0 grade-point average or above in the transferred courses
- A writing sample that demonstrates written communication skills (submitted at registration)

When the above requirements have been met, students receive a letter of admission and a statement of estimated accepted credits.

This program is not recommended for students who lack proficiency in basic academic skills, especially collegiate-level English communication skills.

## Course Descriptions

### Term I (12 units/20 weeks)

#### **BMGT 301 Dynamics of Group Behavior (3)**

Students examine group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on the principles of group dynamics, problem solving, decision making, diagnosis and resolution of conflict, and managing meetings.

#### **BMGT 302 Adult Development and Learning Assessment (3)**

An understanding of development and learning processes is cultivated. Students conduct per-

sonal and professional assessments, documented by a portfolio. Additional credit for prior extra-collegiate learning may be earned through the portfolio.

#### **BMGT 304 Organizational Analysis (3)**

Students analyze how organizations function as complex systems, focusing on the interrelatedness of organizational purpose, structure, leadership, relationships, and rewards in the organization featured in their case study project. This serves as the basis for the first part of a case study project of the student's ministry organization.

#### **BCLM 390 Human Growth and Development (3)**

This study of human development across the life span, emphasizes a multidisciplinary perspective including such areas as psychology, sociology, processes as social interaction, and the tools for applying developmental psychology to life situations.

### Term II (13 units/20 weeks)

#### **BCLM 336 Christian Family Life (3)**

The home in its cultural setting, the methods and programs of the Church that contribute to the Christian home, parental responsibility, and the building of Christian character are the basis of study for this course.

#### **BMGT 409 Cultural Influences in the Workplace (3)**

Students consider the relationship between culture and the world of work. In particular, they discover how the United States, especially the world of work, has been shaped by the values of life experiences of various ethnic and racial groups.

#### **BCLM 402 Directed Study: Case Study Project II (1)**

Students conduct and write a literature review relative to problem analysis.

#### **BMGT 305 Managing Interpersonal Communication (3)**

Students assess and improve their communication skills to heighten their productivity in various organizational settings. The key concepts covered include conflict, constructive feedback, active listening, power, mentoring, and dysfunctional communication.

#### **BMGT 306 The Bible and Business Ethics (3)**

This course introduces the student to moral issues involved in business practice. Students reflect on what it means to be a good business woman or man in the context of biblical wisdom, principles, and virtues and apply this wisdom to expedite the resolution of business and management problems.

### Term III (14 units/21 weeks)

#### **BCLM 426 Theology and Christian Education (3)**

This course offers an analysis of the relationship of theology to Christian education and the implications of theological doctrine for the educational work of the church.

#### **BCLM 403 Directed Study: Case Study Project III (1)**

Students develop and analyze a possible recommendation for solving their organizational case study problem.

#### **BMGT 410 Principles of Management and Supervision (3)**

Students identify the actual roles managers play in complex organizations. This course prepares students for managerial roles while helping them to work more effectively with current managers. Management theory is critically evaluated for its usefulness in light of actual practices.

#### **BCLM 360 Sociology of Religion (3)**

This course provides an objective analysis of interrelations between religious phenomena and social institutions, structures, and behavior. Special emphasis is placed on the distinction between church and sect, religion and social stratification, secularization, science and religion, and religious movements.

#### **BCLM 474 Leadership Seminar: A Theology of Christian Leadership (3)**

This course is designed as a forum for integrating biblical, historical, and contemporary theories, models, and perspectives on leadership, and how they relate to issues of power, authority, manipulation, influence, persuasion, and motivation; leadership effectiveness skills in the areas of understanding organizational culture, group process, communication, and conflict resolution; leadership efficiency focusing on visioning, goal-setting, self-management, understanding of

leadership styles, preferences and the learning process; and leadership empowerment and the stewardship of others.

#### **BCLM 404 Directed Study: Case Study Project IV (1)**

Students present an implementation plan and make recommendations regarding how their organizations should approach their case study problem. They summarize their learnings and apply them to their personal and professional lives.

## B.A. in Human Development

### Introduction

The Bachelor of Arts in Human Development is an innovative, alternative degree program designed to provide subject matter preparation for prospective elementary school teachers. The program offers a major in Human Development that uses an accelerated degree completion format. It accommodates experienced adult learners, many of whom are working in classrooms as paraeducators, and draws upon their rich experiences in school settings.

This program is designed specifically for adults who have two or more years of college credit and want to earn a degree while on the job. Classes meet one night a week, taking 18 months to complete a Bachelor of Arts degree. The program is a field-based modular design, delivered to cohort groups. Each cluster has a primary advisor who provides system guidance, directs special projects, and serves as mentor to individual learners.

Organized to capture the essence of an integrated curriculum and capitalize on the students' work/classroom experiences, the Human Development Program aims to give students a secure background in the liberal arts and sciences that is firmly fixed in the concepts of human behavior and social issues. As part of the preparation of ele-

mentary school teachers, the program utilizes the California State Curriculum Frameworks and Model Standards, providing integrated courses in language arts, math, science, art, music, and social science that focus on K-8 content while demonstrating exemplary teaching methods.

The Human Development Program at Azusa Pacific University is authorized by the California Commission on Teacher Credentialing and is an approved multiple-subject program. Students completing this major have met the state-approved subject matter competency for an elementary (multiple-subject) teaching credential, and are therefore, not required to take the MSAT.

The program has the potential to meet the following explicit needs:

1. The need for qualified, credentialed teachers in California
2. The need for minority teachers and minority role models in the LA area schools
3. The need for stability in the classrooms of the local community
4. The need/desire to encourage qualified interested members of other professions to consider the teaching profession a viable career change

Students who complete this major are eligible to enter Azusa Pacific University's unique Intern Credential Program, teaching in their own classrooms, with the university providing course work and support to the beginning, noncredentialed teacher.

## Admission Requirements

A minimum of 126 semester units of credit are required for the B.A. degree. To be admitted to the 72 class-session Human Development Degree Completion Program, a student needs:

- A minimum of 60 transferable semester units from an accredited college or university
- Official transcripts from all schools attended

- A grade-point average of 2.0 or above in the transferred courses
- A writing sample that demonstrates written communication skills

Students will be asked to compile a portfolio of their extracollegiate learning derived from academic, personal, and professional experiences since high school. Students may earn up to 18 semester units for learning acquired through life experience.

When the above requirements have been met, students will receive a letter of admission and statement of estimated accepted credits.

The program is not recommended for students who lack proficiency in basic academic skills, especially collegiate-level English communication skills.

## Course Descriptions

### Core Courses

#### HDEV 301 Humans and Communication (5)

This course takes an integrated approach to developing, mastering, and assessing communication skills, including principles and practices of both spoken and written language. Emphases include group dynamics, interpersonal communication, oral presentations, the writing process, and an analysis of what elements comprise a good piece of literature whether written for children or adults. In part, the group activities are informed by, and centered around, the other major component of this course: understanding the structure of language(s).

#### HDEV 302 Humans: Self and Others (5)

Human growth and development across the life span is explored from the integrated perspectives of psychology, physiology, and sociology. Special attention is given to those areas which impact the classroom, including personality, motivation, learning styles, cultural diversity, and physical development. A thematic approach is used to address the treatment of mental, emotional, social, and physical health practices including such topics as stress, diet, nutrition, communicable and chronic diseases, alcohol and drug abuse, lifestyles, childbirth, physical fitness, and

environmental health, with an emphasis on issues impacting children and adolescents. Children's literature dealing with these subjects deepens the student's understanding.

#### HDEV 303 Humans and Computation (5)

This course integrates fundamental mathematics concepts and relationships and computational skills required by the elementary or middle school teacher with problem-solving strategies and the use of technology. Students engage these concepts, relationships, and skills in terms of their development, mastery, and assessment. Anchored instruction and situated cognition techniques, expedited by video, laser video, and computer-based simulations, modeled during the course. The professional and assessment standards of the National Council of Teachers of Mathematics are modeled throughout this course.

#### HDEV 401 Humans and History (5)

This course examines United States and world history using a broad interdisciplinary, thematic approach. Special emphasis is given to the United States Constitution and the evolution of government at the national, state, and local levels. Critical world issues are addressed through an examination of the role of the United States in a global community. Within each broad topic, students examine critical issues that have relevance over time, reflect on important decisions from the past, and develop understanding and meaning for present social policy and ideology. Students are expected to spend considerable time outside of class reading, reflecting, and preparing for in-class discussion and analysis, individual and cooperative group activities, and oral and written commentary on critical national and international issues facing all Americans.

#### HDEV 402 Humans and Scientific Inquiry (5)

The curriculum content, activities, and experiences are planned to assist students in developing knowledge and skill in science content for teaching science concepts and processes emphasized in the California State Science Framework. A variety of experiential activities (occurring in the lab, in the field, and simulated through technology) provide the context for learning. Students explore the use of databases and spreadsheet for inquiry and thematic teaching is modeled.

#### HDEV 403 Humans and the Arts (5)

Integrating together the visual and performing arts, this course is designed for the prospective elementary school teacher. Consisting of the objectives, scope, and content as described in the Visual and Performing Arts Framework for California Public Schools (1996), this course integrates the four components of art education through the use of aesthetic perception, creative expression, arts heritage, and aesthetic valuing with active participation in the skills of music and movement in order to understand the components and concepts of these fine and performing arts. The integration flows into other areas such as literature, religion, mathematics, science and history.

#### HDEV 404 Humans and Ethical Behavior (5)

This course addresses the concept of worldviews and how they are expressed through moral principles and practices. Students are encouraged to explore their own worldviews and approach an understanding of the importance of worldviews in society. A primary goal of this course is to deepen the understanding of the place of human values and virtues in one's personal life and the context of community. Included in this study is the development of an appreciation of the Scriptures and their role in moral and ethical practice. Students come to understand their opportunity to teach values and about religion as outlined in the California State Board of Education documents: *Handbook on the Rights and Responsibilities of School Personnel and Students in the Areas of Providing Moral, Civic, and Ethical Education; Teaching About Religion; Promoting Responsible Attitudes and Behaviors; and Preventing and Responding to Hate and Violence.*

#### HDEV 405 Portfolio Assessment/Reflection (1)

Each student maintains a portfolio which documents subject matter competence and professional growth. The portfolio contains a variety of evaluation products from selected courses in the Human Development Degree Completion Program which demonstrates the student's mastery of subject matter. Samples should also reflect thinking and writing abilities, and will serve as part of the program exit process.

## English Concentration

### **ENGL 407 Composition: Theory and Practice (4)**

Designed to be a parallel course to the traditional undergraduate offering, this course integrates themes from the major and is open only to students in the adult degree completion program in Human Development. This writing-intensive course is designed for students wanting to learn about writing and writing instruction and is of interest to students contemplating teaching on the secondary or elementary level. The course examines the theory, practice, and literature of English/language arts pedagogy, with an emphasis on composition.

### **ENGL 433 Children's Literature (4)**

Designed to be a parallel course to the traditional undergraduate offering, this course integrates themes from the major and is open only to students in the adult degree completion program in Human Development. This course examines the purpose, nature, and power of literature for children, classic as well as contemporary, particularly as it relates to the role literature plays in child development at home and school. Emphases include the nature of literature for children, evaluating and selecting books, responses to literature, understanding and experiencing the genres of literature, reading aloud and writing about literature, as well as becoming conversant with major writers and illustrators of children's literature, with special attention to multicultural literature.

### **ENGL 403 Language Principles and Processes (4)**

Designed to be a parallel course to the traditional undergraduate offering, this course integrates themes from the major and is open only to students in the adult degree completion program in Human Development. Language Principles and Processes introduce the student to the overall nature of language. In addition, it helps students to be aware of, identify, analyze, and develop strategies for dealing with the linguistic complexities found in a diverse society. The course includes an examination of language acquisition, development, and change as well as an analysis of the technical aspects and societal impact of language use. Students study word formation (morphology), the basic sound systems (phonetics), and the grammar systems of prescriptive

English in order to make learning English not only easier, but interesting, to the student in the classroom. A variety of approaches are used to explore and assess language production skills (i.e., writing, speaking, etc.).

## Spanish Concentration

### **SPAN 300 Advanced Spanish (4)**

Designed to be a parallel course to the traditional undergraduate offering, this course integrates themes from the major and is open only to students in the adult degree completion program in Human Development. This advanced course in Spanish provides opportunities for Spanish conversation and composition to students who have already completed the elementary and intermediate levels of Spanish or their equivalent. Conducted in a seminar style, it reinforces grammatical structures through active practice while emphasizing communication skills.

### **SPAN 313 Latin American Civilization (4)**

Designed to be a parallel course to the traditional undergraduate offering, this course integrates themes from the major and is open only to students in the adult degree completion program in Human Development. This course surveys the history and aspects of the literature, arts, geography, and institutions of Latin America from pre-Colombian time to the modern age. In addition, the course attempts to study issues embedded in the culture(s) of Latin America including, but not limited to: political, religious, and economic systems and institutions; social classes; education; family and kinship; social customs; work and leisure patterns; and language.

### **SPAN 435 Survey of Spanish Literature: Poetry and Short Story (4)**

Designed to be a parallel course to the traditional undergraduate offering, this course integrates themes from the major and is open only to students in the adult degree completion program in Human Development. This advanced course in Spanish provides an introduction to exemplary poetry and short stories of Spanish and Spanish American authors. Many facets of the temperament and the complexity of life of Spanish-speaking peoples are revealed in the literary selections, in which humor and farce combine with irony and satire, tradition with innovation, the real with the unreal; and through it all, the course attempts to examine the spiritual and natural forces at work in our common human experience.



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## **School of Business and Management**

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# School of Business and Management

## Faculty

*Interim Dean and Professor: Ilene Bezjian, DBA*

*Chair, Undergraduate Studies; and Associate Professor: Roger Conover, M.A.*

*Associate Professors: Jau-Lian Jeng, Ph.D.; William McCarty, Ph.D.; Constance Rossum, Ph.D.*

*Assistant Professors: Roger Conover, M.A.; Stanley Deal, M.S., CPA; Orlando Griego, Ph.D.; Gary Lemaster, M.S.; Patricia Skalnik, DBA; Paul R. Verdugo, M.S.*

*Lecturers (part time): Bill Bradley, JD; Don Davis; Del Goehner; Steve Kaas, MBA; Dean Roche, M.A.*

## Introduction

The School of Business and Management (SBM) provides professional career preparation in accordance with the university's Christian heritage and mission. To this end, the SBM has built a reputation for pragmatic, ethically based education. The curriculum blends with the liberal studies foundation provided by other schools or departments of the university.

The SBM offers two undergraduate degrees, the Bachelor of Arts and the Bachelor of Science in Business Administration. The B.S. degree requires students to complete the common professional component (e.g., the business core) and then select a concentration area: accounting, management information systems, international business, or marketing. The B.A. degree requires students to complete the business administration core and then select elective courses deemed most appropriate for their career objectives. Both of Azusa Pacific's programs are experience-based and reality-centered.

Students interested in teaching business in secondary schools should contact the APU Department of Teacher Education during the first semester of their junior year for advising related to obtaining a credential. All programs require four years of specialized course work and projects designed to maximize professional readiness; teacher education courses extend into a fifth year.

The SBM is a member of the Association of Collegiate Business Schools and Programs and the American Assembly of Collegiate Schools of Business. Both organizations provide information for curriculum review and upgrading of degree programs. Curriculum content in the undergraduate business program is correlated with graduate school requirements for those who wish to pursue an advanced degree of Master of Business Administration (MBA) or Master of Arts in Human and Organizational Development (MAHOD).

## Business Core Courses 43 units

All students majoring in business administration must complete the following common professional component with a grade of C or better:

BUSI 120/121	Principles of Accounting I, II	4,3
BUSI 240	Introduction to Information Systems	3
BUSI 250/251	Principles of Economics I, II	3,3
BUSI 303	Business Law	3
BUSI 311	Quantitative Analysis for Management	3
BUSI 330	Financial Management	3
BUSI 340	Principles of Organization and Management	3
BUSI 360	Principles of Marketing	3
BUSI 440	International Business*	3
BUSI 448	Organizational and Administrative Behavior	3
BUSI 450	Policy and Planning	3
PSYC 350	Applied Statistics	3

\*Meets a general studies requirement.

## B.A. in Business Administration

### Introduction

Preparation for a business career requires a deep appreciation for and a sound understanding of the marketplace. Thus the

Bachelor of Arts degree in business administration is designed for those who seek a broad spectrum of business courses or wish to combine several fields. This degree develops competence in conceptual, human, and technical skills. These skills, developed through a well-chosen sequence of electives, make those completing the program particularly well prepared for both public- and private-sector organizations.

## Career Opportunities

Course work in general business administration includes a fundamental system of values that serves as the basis for decision making. Students are prepared upon graduation for first-line management, retail and sales, commercial banking, savings and loan associations, data processing, staff specialist positions, and life care administration. Some graduates begin new ventures, operate small businesses, develop new products, or return to the family business.

## Requirements for the B.A. in Business Administration 64 units

The B.A. in business administration comprises 64 units. All business courses must be completed with a grade of C or better.

Business Core Courses	43 units
Business Electives	9 units
Electives	12 units

## Requirements for a Minor in Business Administration 19 units

BUSI 120	Principles of Accounting	4
BUSI 240	Introduction to Information Systems	3
BUSI 250	Macroeconomics	3
BUSI 340	Principles of Organization and Management	3
BUSI 360	Principles of Marketing	3
BUSI 405	Business Report Writing*	3

\*Meets a general studies requirement.



## B.S. in Business Administration

### Introduction

The Bachelor of Science in Business Administration establishes the theoretical and conceptual framework around which business is conducted. It prepares generalists for entry into a wide spectrum of business-related careers. This degree prepares students to be well-rounded citizens and intelligent Christian business leaders; equips them with the ability and knowledge needed to make a satisfactory living and lasting contribution to society; develops their administrative and decision-making skills; and provides them with a sound foundation for graduate studies in business and management.

Students studying for a B.S. in Business Administration develop a concentrated course of study that aligns with their interests and/or professional goals in accounting, international business, management information systems, or marketing.

## Accounting

### Introduction

The accounting major surveys the principles, theories, and concepts of the accounting profession while providing an intense review of the economic, quantitative, and managerial aspects of business. Its practical component leads to work assignments in local Certified Public Accountant (CPA) firms in students' junior and senior years. The combination of classroom theory and actual experience also prepares candidates for the CPA Examination administered by the various state boards of accountancy in the United States.

### Career Opportunities

Opportunities available to graduates include professional careers in accounting

services, auditing, management advising services, and accounting departments in private firms and government bodies.

### Requirements for the Accounting Major 67 units

The accounting major comprises 67 units. All courses taken in the major must be completed with a grade of C or better.

#### Business Administration Core Courses 43 units

#### Accounting Courses 24 units

ACCT 225/226	Intermediate Accounting I, II	3,3
ACCT 325	Cost Accounting	3
ACCT 331/332	Federal Taxes I, II	3,3
ACCT 336	Advanced Accounting	3
ACCT 426/427	Auditing Principles I, II	3,3

## International Business

### Introduction

The international business major provides students a study abroad opportunity with a strong general business foundation. It incorporates a liberal arts approach in the disciplines of politics and cultural interrelationships as the program surveys the dynamics of an interdependent global business environment. The major focus is upon the international economic, historical, political and cultural foundations of today's world business climate; key multinational business functions; and the overall operational/strategic management of a corporation in a multicultural environment.

### Career Opportunities

International business careers may be found with multinational corporations, foreign banking, international investments, export/import trade, international law, international nonprofit organizations, world missions, and public/foreign service. The employment market for individuals with abilities with international language,

empathy for foreign environments, and possession of international business skills is in high demand and rapidly expanding.

### Requirements for the International Business Major 64 units

#### Business Administration Core Courses 43 units

#### International Business Courses 21 units

The following 12 units may be taken on campus or in the study abroad portion of the program with the International Business Institute (IBI), Summer Session. The IBI is held in the summer from late May until the end of July. *Prerequisite: BUSI 440 and/or permission of the IBI coordinator*

BUSI 341	Comparative Economics	3
BUSI 342	International Trade and Finance	3
BUSI 343	International Marketing	3
BUSI 344	Topics in International Management and Strategy	3

The following 9 units may be taken on campus:

xxxx 201	Intermediate Language	3
GLBL 310	Intercultural Communication*	3
POLI 340	International Politics*	3

\*Meets a general studies requirement.

### Requirements for the International Business Minor 21 units

The following 12 units may be taken on campus or in the study abroad portion of the program with the International Business Institute (IBI), Summer Session. The IBI is held in the summer from late May until the end of July. *Prerequisite: BUSI 440 and/or permission of the IBI coordinator*

BUSI 341	Comparative Economics	3
BUSI 342	International Trade and Finance	3

BUSI 343	International Marketing	3
BUSI 344	Topics in International Management and Strategy	3

The following 9 units may be taken on campus:

BUSI 250	Macroeconomics	3
BUSI 340	Principles of Organizations and Management	3
BUSI 440	International Business*	3

\*Meets a general studies requirement.

## Management Information Systems

### Introduction

The management information systems (MIS) major stresses the application of the computer as a management tool. As future managers, students learn the principles and applications of computer-based information systems, using the computer as an aid in making informed decisions to solve business problems.

### Career Opportunities

The MIS major prepares students for careers as business applications analysts/programmers. The technical aspects of computer systems and their applications should provide sufficient background to grow professionally in a rapidly changing field. With experience, one can advance along several career paths leading to positions in systems analysis and design, programming and project leadership, and systems management.

### Requirements for the MIS Major 64 units

The management information systems major comprises 64 units. All courses taken in the major must be completed with a grade of C or better.

**Business Administration****Core Courses 43 units****Management Information Systems 21 units**

MIS 241	Introduction to Systems Analysis	3
MIS 345	Computer Programming I	3
MIS 346	Structured Systems Design	3
MIS 347	Computer Programming II	3
MIS 442	Decision Support Systems	3
MIS 444	Information Resource Management	3
MIS 446	Advanced Systems Project	3
— or —		
MIS 447	Advanced Computer Programming	3

**Marketing****Introduction**

The marketing major provides students with a strong general business foundation, plus focused marketing courses that address the primary functional concerns of marketing in industry and commerce. The program stresses academic preparation, skill building, marketing problem solving, internships, and seizing marketing opportunities.

**Career Opportunities**

Career paths open to marketing majors include sales and sales management, marketing administration, advertising and promotion, sales support, customer service, market research, and general marketing management, as well as careers in banking. Income potential and personal fulfillment are high. Many marketing people go on to become top executives.

**Requirements for the Marketing Major 64 units**

The marketing major comprises 64 units. All courses taken in the major must be completed with a grade of C or better.

**Business Administration****Core Courses 43 units****Marketing Courses 18 units**

MKTG 361	Marketing Communication	3
MKTG 362	Consumer Behavior*	3
MKTG 363	Marketing Research	3
MKTG 364	Sales and Sales Management	3
MKTG 368	Retail Marketing	3
— or —		
MKTG 369	Global Industrial Marketing	3
MKTG 350	Marketing Internship	3
— or —		
MKTG 465	Strategic Marketing Management	3

\*Meets a general studies requirement.

**Requirements for the Marketing Minor 21 units**

BUSI 360	Principles of Marketing	3
MKTG 361	Marketing Communication	3
MKTG 362	Consumer Behavior*	3
MKTG 363	Marketing Research	3
MKTG 364	Sales and Sales Management	3
MKTG 368	Retail Marketing	3
— or —		
MKTG 369	Global Industrial Marketing	3
MKTG 465	Strategic Marketing Management	3
— or —		
MKTG 350	Marketing Internship	3

\*Meets a general studies requirement.

**The Five-Year Plan**

Managing business in the 21<sup>st</sup> century will increasingly require graduates with an MBA degree. The School of Business and Management has responded to this challenge by providing a fifth year after the B.A. or B.S. degree for business students to obtain an experience-based, internship-driven graduate degree. In Azusa Pacific's MBA and MAHOD programs, students benefit from more than an integrated

curriculum; they will be actively involved in the local business community, learning by doing as they tackle real-world business situations.

Students work with and learn from business and industry leaders. They analyze, strategize, and develop business and marketing plans. Students use today's most advanced technology for research and communications, and preparing and delivering presentations. They become skilled in organization, motivation, teamwork, networking, leadership, and ethical decision making. In short, students experience being a manager while in this program, building a portfolio of skills that will equip them for the business world of the future.

For more information about this unique fifth year program, students should see their advisor, call the chair of graduate business programs at (626) 815-3821, or call the graduate business recruiter at (626) 815-3835. Students may also consult the current graduate catalog for course requirements.

**Business Internship Program**

The Business Internship Program augments business majors' classroom experience. It provides an opportunity to integrate principles and concepts discovered in the classroom with the reality of the business world. Interns are able to test theories, apply concepts, gain firsthand knowledge of the purpose and practice of business procedures, build interpersonal relationships, set objectives, and measure performance. Intern accountability is maintained by regular feedback from field supervisors, academic consent for assignments, and seminar meetings. Students interested in this program should visit with their advisor and then enroll in BUSI 350 Business Internship.

**Teacher Education****Single-Subject Waiver Program Bachelor of Arts in Business Administration 62 units**

Students wishing to obtain a Single-Subject Teaching Credential preparing them to teach business at the middle and senior high school levels should complete the following:

**Prerequisites 9 units**

EDUC 405	Diversity in the Classroom*	3
POLI 150	American Government*	3
PSYC 290	Human Growth and Development*	3

**Business Administration Core Courses 43 units****Additional Courses 6 units**

BUSI 405	Business Report Writing*	3
CS 120	Computer Literacy	3

**Elective 1 unit**

\*Meets a general studies requirement.

**Course Descriptions****Accounting****ACCT 225 Intermediate Accounting I (3)**

This course offers an intensive study of the accounting theory and principles underlying financial accounting. Emphasis is placed on the theoretical and conceptual framework of the financial reporting process including the role and authority of official accounting pronouncements and the responsibilities of professional accountants. This course begins with a review of the accounting model and covers accounting theory as it relates to revenue recognition, current assets, including cash, accounts receivable, inventories, and operational assets. *Prerequisites: BUSI 120 and BUSI 121*

**ACCT 226 Intermediate Accounting II (3)**

This course continues the study begun in ACCT 225, covering intangible assets, investments, short- and long-term liabilities, leases, income taxes, corporate capital transactions, and statement of cash flows. Emphasis is placed on the theoretical and conceptual framework of the

financial reporting process including the role and authority of official accounting pronouncements and the responsibilities of professional accountants. *Prerequisite:* ACCT 225

### **ACCT 325 Cost Accounting (3)**

This course explores managerial accounting concepts used in planning and controlling operations, determining cost of production, inventory control and evaluation, budgeting, and long-range planning. Emphasis is placed on cost determination, cost accumulation, cost-volume-profit relationships, standard costs, variances analysis and reporting, and the relationship between controlling costs and controlling operations. *Prerequisites:* BUSI 120 and BUSI 121

### **ACCT 331 Federal Taxes I (3)**

This course offers an intensive study of the theory and principles of federal income tax law as it applies to individuals. Emphasis is placed on the theoretical framework and philosophy of the federal tax system as well as practical application and planning. This course covers basic concepts in the determination of income, classes of deductions, allowable credits, and property transactions. The importance of appropriate tax planning is stressed. A project utilizing commercial tax software is used to demonstrate computer applications. *Prerequisite(s):* BUSI 120 and BUSI 121, or instructor's permission

### **ACCT 332 Federal Taxes II (3)**

This course offers an intensive study of the theory and principles of federal income tax law as it applies to business entities—corporations, partnerships, estates, and trusts. Emphasis is placed on the theoretical framework as well as practical application and planning. This course covers basic concepts of taxation in corporate formation and operation, partnership and S corporation formation and operation, and fundamentals of estate, gift, and trust taxation. The course also covers the tax audit process and professional tax preparer responsibilities. *Prerequisite:* ACCT 331

### **ACCT 336 Advanced Accounting (3)**

This course provides an in-depth study of accounting theory and principles first encountered in Intermediate Accounting. Topics covered include accounting for partnerships, joint ventures, and corporations. Extensive coverage is given to business combinations and consolida-

tions. Also covered are branch accounting, bankruptcy reporting, and accounting for estates and nonprofit organizations. *Prerequisites:* ACCT 225 and ACCT 226

### **ACCT 426 Auditing Principles I (3)**

An overview of auditing concepts is offered with special attention to auditing standards, professional ethics, the legal ability inherent in the attest function, the study and evaluation of internal control, the nature of evidence, statistical sampling, and the impact of electronic data processing. The basic approach to planning an audit is addressed as are the audit objectives and procedures applied to the elements in a financial statement. *Prerequisite:* ACCT 336

### **ACCT 427 Auditing Principles II (3)**

This course takes the concepts and procedures learned in ACCT 426 and applies them in a comprehensive audit case study. Students prepare audit work papers that demonstrate application of audit theory and objectives for various classes of financial statement accounts. Students are exposed to the planning, control, and review procedures used by many public accounting firms. The use of computerized audit software is covered. *Prerequisite:* ACCT 426

## **Business Administration**

### **BUSI 100 Personal Finance (3)**

An overview of personal financial planning is provided with an emphasis on financial record keeping, budgeting, cash flow controls, debt management, tax planning, consumerism, insurance, retirement, investment planning, and estate planning.

### **BUSI 120 Principles of Accounting I (4)**

In the first semester of this course, the basic financial accounting model and cycle are introduced preparing students to explore the application of fundamental accounting principles to specific classes of assets and liabilities. The sole proprietorship form of business serves as the primary model for demonstrating the application of accounting principles and procedures for current assets, such as accounts receivable and inventories, operational assets, and current and long-term liabilities. Students complete a computer simulation which introduces computer applications in accounting.

### **BUSI 121 Principles of Accounting II (3)**

The second semester focuses on managerial accounting and emphasizes the use of accounting data in decision making. Topics covered include cost accumulation models, cost behavior, break-even analysis, budgeting, short and long run decision analysis, capital expenditure analysis, and financial statement analysis.

*Prerequisite:* BUSI 120

### **BUSI 240 Introduction to Information Systems (3)**

A study of the fundamentals of information systems methods and equipment, computer characteristics and concepts, and elements of programming is offered. Business applications of computers are discussed and demonstrated. *A working knowledge of personal computer productivity tools such as Web browsers, Microsoft Windows 95, and Microsoft Office is provided.*

### **BUSI 250 Macroeconomics (3)**

An introduction to concepts and tools of economic analysis and aggregate and macroeconomics is provided. The course emphasizes national income, money and banking, and the role of the government with respect to fiscal and monetary policies.

### **BUSI 251 Microeconomics (3)**

Students are introduced to micro-theory in economics relative to the theory of the firm and consumers. Particular emphasis is placed on pricing, cost analysis, profit optimization, and utility analysis.

### **BUSI 303 Business Law (3)**

The course introduces the laws affecting business transactions. Included is an overview of the legal system as it relates to business and in-depth study of contracts, sales and commercial transactions, and secured transactions.

### **BUSI 311 Quantitative Analysis for Management (3)**

This course equips students with analytical and mathematical models for business decision making. Included are statistical analysis, project management, simulation, and linear programming. *Prerequisite:* MATH 110

### **BUSI 330 Financial Management (3)**

Students explore the principles and practices of financial management. Sources and methods of raising capital, allocation of funds within the firm, cash-flow and financial statement analysis,

financial markets, and capital budgeting techniques are addressed. Additional concepts covered include present-value analysis, decision making with risk, and use of leverage.

*Prerequisites:* BUSI 120, BUSI 121, and BUSI 311

### **BUSI 340 Principles of Organization and Management (3)**

Elements of planning, organizing, leading, and control are covered. Particular emphasis is given to organizing and actuating responsibility and authority, delegation, decentralization, the role of staff, line-staff relationship committees, board of directors, organization charting, formal and informal organization, communication, and reaction to change.

### **BUSI 341 Comparative Economics (3)**

Students are offered an integrated treatment of international trade theory, policy, institutions, and business within the different types of economic systems. The economics of an open economy, that of a planned economy, international goods and money markets, domestic and international policies, trade flows, and world development patterns are addressed. May be taken on campus or in the IBI study abroad program. *Prerequisite(s):* BUSI 250 and/or IBI coordinator's permission (IBI Summer Session)

### **BUSI 342 International Trade and Finance (3)**

Students study the trade and financial environment of international business. Focus is on export-import trade transactions, international trade finance, foreign exchange markets, foreign direct investment, international capital markets, and capital budgeting for the multinational firm. May be taken on campus or in the IBI study abroad program. *Prerequisite(s):* BUSI 330 and/or IBI coordinator's permission (IBI Summer Session)

### **BUSI 343 International Marketing (3)**

Students investigate the theory and practice of contemporary international marketing management. Major topic areas include the international marketing environment, international marketing research and market entry, and product planning and strategy in an international context. Several projects involving market research are conducted. May be taken on campus or in the IBI study abroad program. *Prerequisite(s):* BUSI 360 and/or IBI coordinator's permission (IBI Summer Session)

**BUSI 344 Topics in International Management and Strategy (3)**

Students analyze operational management issues encountered in international and culturally diverse enterprises. The course focuses upon human resource management, production management, cross-cultural issues, and strategic planning and implication to the firm. A series of cases and a corporate analysis project are utilized. May be taken on campus or in the IBI study abroad program. *Prerequisite(s): BUSI 340 and/or IBI coordinator's permission* (IBI Summer Session)

**BUSI 350 Business Internship (3)**

The course provides practical application of principle and theory in an actual business firm. The student learns to set objectives and measure performance against those objectives in a business setting. *Prerequisites: completion of 60 units, appropriate employment, and instructor's permission*

**BUSI 360 Principles of Marketing (3)**

The movement of goods from producers to consumers is analyzed. This course includes discussion of the channels of distribution, marketing functions, management considerations, and problems in marketing practice. Marketing trends in current economic systems are reviewed. *Prerequisites: BUSI 251 and fourth-semester standing*

**BUSI 405 Business Report Writing (3)**

Students practice writing clear, well-organized, effective formal and informal reports. Evaluation and preparation of business reports, utilizing business research methods, and communication techniques are emphasized. Management of data and the use of graphics also are included. *Meets the requirement for general studies upper-division writing intensive course.*

**BUSI 410 Production Management (3)**

The curriculum focuses on decision making and controlling the allocations of personnel, materials, and machine utilization in a manufacturing environment. Handling and control of materials, inventory, purchasing, and quality control are addressed. Students also learn about setting standards and developing skills in estimating, forecasting, and scheduling. *Prerequisite: BUSI 340*

**BUSI 430 Money and Banking (3)**

This course includes a study of monetary theories and banking principles, with special reference to contemporary developments in money and banking in the United States, the Federal Reserve System, and financial investment. *Prerequisites: BUSI 120, BUSI 121, BUSI 250, and BUSI 251*

**BUSI 440 International Business (3)**

Political and economic factors underlying international trading and financial relationships are studied with focus on current problems. The fundamentals of traditional trade theory are examined as a frame of reference, then attention is directed toward international financial institutions, U.S. commercial policies, foreign aid, and the problems of economic development. *Meets the requirement for general studies upper-division writing intensive course. Prerequisites: BUSI 250 and BUSI 340*

**BUSI 445 Human Resource Development (3)**

Students study the human factors in modern business as they are influenced by and effect labor-management interactions, personnel relations, techniques, and procedures. *Prerequisite: BUSI 340*

**BUSI 448 Organization and Administrative Behavior (3)**

This course deals with policies and practices in the management of human resources. Major organizational behavior theories are discussed in a role-playing, seminar environment. *Prerequisite: BUSI 340*

**BUSI 449 IBI Advanced Seminar in International Business (3)**

Students focus on advanced issues that concern multinational enterprises. Topics include: the logistic issues of firms conducting business beyond their domestic markets, the Pacific Rim business environment including East Asia and Latin America, and specific operational and strategic concerns of multinational enterprises. *Prerequisite(s): BUSI 340 and/or instructor's permission*

**BUSI 450 Policy and Planning (3)**

This course focuses on fundamental decisions in the life of a business. What is the business, and what should it be? What are the objectives? How are priorities set? How are strategic,

long-range decisions to be handled? To grow or not to grow—and what is the right size? *Prerequisites: BUSI 330, BUSI 340, and senior status*

**BUSI 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**Management Information Systems****MIS 241 Introduction to Systems Analysis (3)**

The course provides an overview of the systems-development lifecycle, with emphasis on techniques and tools of object-oriented analysis.

**MIS 345 Computer Programming I (3)**

In this introductory course, students learn object-oriented computer programming using Java. No prior programming experience is necessary, so all basic concepts involving business programming logic, software, and programming are included. *Prerequisite: BUSI 240*

**MIS 346 Systems Design (3)**

Students learn object-oriented design of computer-based systems that support organizational functions. The course involves fact collection, situation analysis, and preparation of Unified Modeling Language (UML) models that outline problem solutions. *Prerequisite(s): MIS 241 and BUSI 120 (accounting majors only)*

**MIS 347 Computer Programming II (3)**

In this advanced computer problem-solving and programming course, students use Java to write client/server programs that provide graphical user interfaces, perform network communications, and access relational databases. *Prerequisites: BUSI 240 and MIS 345*

**MIS 348 Database Program Development (3)**

The student is introduced to relational database technology and Structured Query Language (SQL). Emphasis is placed on designing, building and using databases to enhance the storage and retrieval of data. *Prerequisite: MIS 347*

**MIS 442 Decision Support Systems (3)**

This course exposes students to analysis and development of the higher level of information support systems, designed to aid the manager in the decision-making process or to establish strate-

gic advantage. Applications-oriented spreadsheets are used for skill building and “what-if” analysis. An introduction to expert systems is included. *Prerequisites: BUSI 120, BUSI 121, BUSI 340, and BUSI 360 (recommended)*

**MIS 443 Information Systems Planning (3)**

The financial, technical, and strategic information systems planning process is covered. *Prerequisite: instructor's permission*

**MIS 444 Information Resource Management (3)**

This seminar on information systems management emphasizes planning, organizing, and controlling user services and managing the system development process. *Prerequisite: instructor's permission*

**MIS 446 Advanced Systems Management (3)**

In this course, the student integrates the knowledge and abilities gained in other information systems courses with a comprehensive institution-related project. *Prerequisites: MIS 346, MIS 348, senior status, and instructor's permission*

**MIS 447 Advanced Computer Programming (3)**

This course provides a survey of current software development technologies, such as the C++ language and rapid application development (RAD) tools including Microsoft Visual Basic. *Prerequisite: MIS 347*

**Marketing****MKTG 350 Marketing Internship (3)**

This course provides practical application of marketing principles and theory. The student learns to research, set promotional and marketing objectives, and implement. *Prerequisites: BUSI 360 and instructor's permission*

**MKTG 361 Marketing Communication (3)**

The marketing communication function is introduced. Topics include advertising theory and measurement, communication theory, promotional strategies, public relations and publicity, consumer education, collateral materials planning, and promotional ethics. *Prerequisite: BUSI 360*

**MKTG 362 Consumer Behavior (3)**

This course offers comprehensive examination of the nature of markets and the factors influencing market development and change. Students study

individual consumer's behavior in relation to the buying-selling process. Emphasis is placed on understanding the consumer in order to facilitate the development of an effective marketing strategy. *Meets the general studies elective requirement for Identity and Relationships.*

*Prerequisite: BUSI 360*

### **MKTG 363 Marketing Research (3)**

This course is an overview and practical application of contemporary methods for gathering, analyzing, and preparing market research for use in management decision-making. Research methodology includes specific topic areas as the research process, primary and secondary data, qualitative and quantitative research methods, statistical analysis, and utilization of technology.

*Prerequisite: BUSI 360 and PSYC 350*

### **MKTG 364 Sales and Sales Management (3)**

In this course, consideration is given to personal selling strategies and practices, including consultative selling, negotiation, and using principles of human behavior. The sales management function, including recruiting and selecting salespeople, training, compensation plans and quotas, supervising, motivating, planning, forecasting, and evaluating are covered in detail.

*Prerequisite: BUSI 360 or instructor's permission*

### **MKTG 368 Retail Marketing (3)**

Students learn the principles of retail marketing of products and services. The course emphasizes the unique issues and problems of store managers, merchandising executives, and service company managers. Location, sales promotion, organization, personnel, buying, inventory, control methods, product mix, pricing, and profitability are considered. Extensive quantitative techniques are employed. *Prerequisites: BUSI 360, MKTG 362, and MKTG 363*

### **MKTG 369 Global Industrial Marketing (3)**

Students learn the marketing of business goods by manufacturers to other businesses, government agencies, and social institutions. The course consists of market analysis, sales forecasting, product strategy, effective use of sales force, and industrial promotional planning and implementation. Extensive quantitative techniques are utilized. *Prerequisites: BUSI 360, MKTG 362, and MKTG 363*

### **MKTG 465 Strategic Marketing Management (3)**

The course offers a strategic approach to the management of the marketing function. Students are required to plan, organize, and present a community event. All aspects of marketing are integrated including developing a marketing plan, presentations to officials, creating promotional materials, soliciting sales, and preparing a budget to cover the cost of the event. May be taken twice for credit.



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## **School of Education and Behavioral Studies**

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Teacher Education	180
College Student Affairs and Leadership Studies	191
Physical Education	194
Psychology	205
Social Work	214

# Department of Teacher Education

## Faculty

Dean: Alice V. Watkins, Ph.D.

Chair; Director of Secondary Education; and Associate Professor: Nancy Brashear, Ph.D.

Director of Elementary Education; and Associate Professor: Gregory Kaiser, Ph.D.

Director of Liberal Studies; Assistant Director of Secondary Education; and Associate Professor: Shirley Stapleton, Ed.D.

Director of Special Education; and Associate Professor: David Colachico, Ed.D.

Associate Professor: LuAnn Craik, Ed.D.

Assistant Professors: Mark Arvidson, Ph.D.; Paul Flores, M.Div; Persida Himmele, Ed.M.

## Department Overview

The primary goal of the Department of Teacher Education is to provide the training and experience needed to qualify for California Multiple-Subject, Single-Subject, and Special Education Teaching Credentials.

Azusa Pacific University's Teacher Education Program, accredited by the California Commission on Teacher Credentialing (CCTC) since 1963, commits to helping produce K-12 classroom teachers:

- *who are competent*—able to effectively educate and lead in the cultural, socio-economic, and linguistic diversity of today's educational environment.
- *who are compassionate*—committed to the care and enhancement of the individuals they teach and lead.
- *who are people of character*—able to contribute to the moral and ethical development of the students and families whom they serve.

When the credential courses are combined with selected courses required for a Master of Arts in Education with an emphasis in Teaching or Special Education, both the teaching credential and the master's degree may be obtained.

APU has advanced credential programs in school administration, school counseling, and special education. These graduate programs, as well as a variety of master's degree programs, are available to students subsequent to earning their multiple- and single-subject credentials.

All credential standards are subject to CCTC policy changes.

## General Description of Programs

During the first two years of college, it is suggested that prospective teachers complete university general education requirements and prerequisites to upper-division course work and explore the teaching field by taking EDUC 300 Introduction to Teaching as a Profession or EDUC 400 Foundations of Education. Application for admission to the Teacher Education Program may be submitted as early as the junior or senior year, upon completion of 60 units of university course work and attendance at an information meeting. Candidates then begin a sequence of professional education courses in preparation for full-time student teaching.

A candidate is eligible to student teach after completion of subject-matter competency, and all pre-professional and professional education courses.

## Liberal Studies

### Introduction

The Department of Teacher Education is the management unit responsible for the Liberal Studies Program. Liberal studies majors are advised by education department faculty. Students are required to meet with their advisor each semester before registering.

The liberal studies major at Azusa Pacific University is authorized by the CCTC and is an approved multiple-subject program. Students completing this major have met the state-approved subject matter competency for a multiple-subject (elementary) teaching credential, and are, therefore, not required to take the MSAT.

In addition, because of the increasing need for college graduates with broad, diverse academic backgrounds, a liberal studies

graduate is frequently in demand in business and communication fields, as well as education.

## Liberal Studies Major Requirements 103 units

The liberal studies major gives broad coverage in the liberal arts. A total of at least 103 units must be earned from the following areas: language/literature, mathematics, science, social sciences, humanities, visual/performing arts, physical education, human development, religion, and a subject concentration. Of the 103 units, 69 also meet general studies requirements. Depending upon the subject concentration selected, there may be an opportunity to enrich students' programs with one or more electives of their choice. The total number of units required for graduation is 126.

### Language/Literature 23 units

COMM 111	Public Communication*	3
ENGL 110	Freshman Writing Seminar*	3
ENGL 111	Introduction to Literature*	3
ENGL 402	Principles of Language	3
ENGL 434	Children's Literature*	3
	Foreign Language*	4,4

### Mathematics 6 units

MATH 110	College Algebra*	3
	— or —	
MATH 115	Analytical Inquiry*	3
MATH 301	Mathematical Concepts for the Elementary Teacher	3

### Science 12 units

BIOL 101	Fundamentals of Biology*	4
BIOL 400	Science and Children	4
PHYC 110	Principles of Physical Science*	4

### Social Sciences 18 units

EDUC 405	Diversity in the Classroom*	3
HIST 120	World Civilizations to 1648*	3
HIST 151	U.S. History to 1865*	3
	— or —	
HIST 152	U.S. History since 1865*	3

\*Meets a general studies requirement.

HIST 310	World Geography	3
POLI 150	American Government*	3
PSYC 110	General Psychology*	3

#### Humanities **6 units**

EDUC 496	Senior Seminar: Education and Professional Ethics*	3
PHIL 220	Introduction to Philosophy*	3

#### Visual/Performing Arts **9 units**

ART 150	Introduction to Art*	3
— or —		
MUS 120	Music Fundamentals*	3
ART 310	Fundamental Art Experiences*	3
MUS 432	Music in the Elementary Schools	3

#### Physical Education **6 units**

PE 108-117	Fitness for Life*/**	1
PE 240	Health Education*/**	2
PE 450	Physical Education in Elementary Schools, K-6	3

#### Human Development **3 units**

PSYC 290	Human Growth and Development*	3
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#### Religion\* **15 units**

#### Concentration **12-21 units**

(In art, English, science, math, music, physical education, social science, or Spanish)

CSA 101	Beginnings*	1
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\*Meets a general studies requirement.

\*\*Taken concurrently

## Teaching Credential Programs

### Introduction

Azusa Pacific University offers programs approved by the CCTC which authorize service for either elementary or secondary school teaching, and special education.

Credential students with a posted bachelor's degree from Azusa Pacific University may be eligible for a 25 percent discount on TEP classes.

### The Traditional Multiple-Subject Credential Program (K-8)

A student wishing to obtain a credential for teaching at the elementary or middle school level should enroll in the Multiple-Subject Credential Program. The subject matter requirement for this credential is met by completion of a state-approved multiple-subject program (such as APU's liberal studies major) or a passing score on the approved multiple-subject examination (MSAT). During the senior year, the student may begin the credential program, once he or she has been admitted to Teacher Education. This program includes teacher preparation classes and student teaching. However, the program is generally completed as a fifth year following the posting of the bachelor's degree.

Students may teach in public or private schools while in this program. All teaching assignments must have prior approval by the program director. In addition, all private schools must meet the following criteria:

1. WASC accreditation
2. Appropriate cultural diversity
3. Comparable class-size to the public schools
4. Curricular planning instruction following the state frameworks

### The Traditional Single-Subject Credential Program (7-12)

A student desiring to earn a credential for teaching a specific single subject at the middle, junior, or senior high school level should enroll in the Single-Subject Credential Program. The subject matter requirement for this credential is met by completion of a state-approved single-subject program or a passing score on single-subject examination(s) (Praxis/SSAT). Azusa Pacific University has CCTC-approved single-subject major programs in the following areas: art, business, English, mathematics, music, physical



education, science, social science, and Spanish. Students should consult with advisors in these departments to determine exactly which courses constitute the approved program.

Depending on the number of units required in the major and the number of other classes taken by the candidate, juniors and seniors may enroll in professional education courses once they have been admitted to Teacher Education. However, because some majors have many required units, the professional education program courses are often taken after graduation. The student desiring to become a secondary teacher is advised to contact the Teacher Education Program during the junior year to attend an information meeting and receive guidance regarding prerequisites and supplementary concentrations for the teaching credential. Secondary teacher candidates are also encouraged to complete a "Supplementary Authorization" to be eligible to teach in a second content area.

Students may teach in public or private schools while in this program. All teaching assignments must have prior approval by the program director. In addition, all private schools must meet the following criteria:

1. WASC accreditation
2. Appropriate cultural diversity
3. Comparable class-size to the public schools
4. Curricular planning instruction following the state frameworks

### Special Education: Mild/Moderate Disabilities Specialist Credential Program (K-12)

APU offers a fifth-year credential in special education for the teaching of mild/moderate disabled students (K-12). This credential program meets the needs of individuals seeking to serve children and youth with special learning and/or behavioral needs.



Combined with six units of supervised field experience, this program qualifies the candidate for the credential. Candidates seeking the master's degree, but not the credential, may substitute six units of approved electives for the field experience. Candidates do not need a master's degree to be eligible for the credential.

### Career Opportunities

Graduates of the Teacher Education Program are employed in elementary and secondary schools throughout California and other states. Azusa Pacific University graduates have been successful in obtaining positions in public, Christian, and other private schools.

Studies indicate that employment opportunities in teaching will continue to increase. This is true for both elementary and secondary teaching, particularly in the areas of math, science, Spanish, and English, as well as bilingual and special education. Every spring, APU hosts a Teacher Interview Day in which local public school districts, private schools, and APU students participate.

### Admission to the Teacher Education Program

Undergraduate students planning to enter the Teacher Education Program at Azusa Pacific University must apply for admission and be formally admitted prior to taking any of the professional education program courses (those with a TEP prefix). The procedure for admission requires the following:

- Attendance at a mandatory informational meeting to receive initial advising (See Teacher Education secretary for "Admission of Undergraduates to Teacher Education Program" memo.)
- Completed Application for Graduate Admission
- The Graduate Center will be responsible for requesting an APU transcript. However, the applicant is responsible

for ordering two copies of official transcripts from all other institutions attended whether or not these transcripts were already submitted to the undergraduate registrar. (To be considered official, a transcript must be mailed directly from the Office of the Registrar of the institution attended to the Graduate Center at APU. Students' sealed copies will not be considered official. Transcript request forms are provided.)

- Satisfactory completion of (or enrollment in) 60 units of college work with a grade-point average of 3.0 on a 4.0 scale (Provisional admittance may be granted to individuals who do not meet this criteria if competency can be shown.)
- Three recommendation forms that assess competence and character (Appropriate recommendations include those who have supervised the applicant's leadership and/or teaching experience with children/youth in public or private settings, an employer who directly supervised the applicant, or one faculty/academic reference. References from neighbors, friends, and relatives are not appropriate unless they have served as supervisors.)
- Letter to the dean addressing the following: experiences from the applicant's background that may enhance the teaching experience; the most rewarding and challenging aspects of working with children; why the applicant wants to teach; preferred grade level and content areas and why; special interests, hobbies, or abilities; extracurricular activities; and previous residence or travel experiences (Written communication skills will be assessed along with content. Please use the form provided and attach additional sheets if necessary.)
- Résumé or Statement of Experience (form provided), including most relevant work and volunteer experience

- Proof of Certificate of Clearance (Submit photocopy of Emergency Teaching or Substitute Permit or submit Certificate of Clearance application to APU's credential analyst.)
- Proof of successful completion of the CBEST or proof of paid registration for the next CBEST (Proof of successful completion must be submitted no later than the date of Application for Student Teaching.)
- Evidence of good character and personality attributes and attitudes that are appropriate to professional service
- Good mental and physical health
- International students have a separate application procedure. Contact the Office of International Student Services at (626) 812-3055. International students who have graduated from a college or university where English was not the principle language must provide a minimum TOEFL score of 550.
- After all above materials have been submitted, the Department of Teacher Education will review the file and notify the applicant by postcard to schedule an admissions interview. All applicants must be interviewed before admission will be granted.

For Intern/M.A. Program applicants only (in addition to all items stated above):

- Satisfactory completion of a CCTC-approved multiple-subject liberal studies waiver program or a passing score on the Multiple-Subject Assessment for Teachers Exam (MSAT)
- Must be satisfied for intern credential eligibility
- Proof of registration for the next MSAT required for admission to the Intern Program

*After all materials have been received by the Office of Graduate Admissions, the Department of Teacher Education will contact the applicant to schedule an admissions interview.*

*All applicants must be interviewed before admission will be granted.*

### Traditional Multiple-Subject Preliminary Credential Requirements (K-8)

#### 1. Subject-Matter Competence

Students must satisfactorily complete an approved Multiple-Subject Program such as APU's liberal studies major (as described on p. 180 of the catalog) or pass the approved multiple-subject examination (Praxis Series MSAT).

#### 2. Preprofessional Course Requirements

- A. EDUC 300 Introduction to Teaching as a Profession (for undergraduate students only; includes 15 hours of service learning\* in public schools)  
— or —  
EDUC 400 Foundations of Education (for undergraduate and graduate students)
- B. EDUC 405 Diversity in the Classroom (open to undergraduates only)  
— or —  
EDUC 504 Teaching and Cultural Diversity (open to graduate students only)
- C. POLI 150 American Government
- D. PSYC 290 Human Growth and Development including early childhood through adolescence (open to undergraduates only)  
— or —  
EDUC 572 Advanced Educational Psychology (open to graduate students only)

\*May be counted toward graduation ministry units.

#### 3. Professional Education Program Courses (requires formal admission to the Department of Teacher Education)

TEP 410	Methods and Curriculum I, K-8	3
TEP 411	Field Experience I, K-8	1

TEP 430	Methods and Curriculum II, K-8	3
TEP 431	Field Experience II, K-8	1
TEP 550	First and Second Language and Literacy, K-8	3
TEP 551	Language Acquisition Field Experience, K-8	1
Full-time student teaching (18-week teaching assignment)**		
TEP 570	Student Teaching Seminar	3
TEP 571	Student Teaching, K-8	9

\*\*See "Admission to Student Teaching" on p. 185.

4. Passage of **Reading Inventory Competency Assessment** (RICA), required by the CCTC

5. Within five years of completing the **Preliminary Credential**, students will need to fulfill the **Professional Clear Credential Requirements** (See p. 186.) Following completion of all above requirements, you will be eligible to apply for your nonrenewable preliminary credential.

### Traditional Single-Subject Preliminary Credential Requirements (7-12)

#### 1. Subject-Matter Competence

Students must satisfactorily complete an approved Single-Subject Program such as one of the following: art, business, English, mathematics, music, physical education, science, social science, or Spanish, or pass an approved single-subject examination (Praxis/SSAT tests where required).

#### 2. Preprofessional Course Requirements

A. EDUC 300 Introduction to Teaching as a Profession (for undergraduate students, includes 15 hours of service learning\* in public schools)

— or —

EDUC 400 Foundations of Education (for undergraduate and graduate students)

B. EDUC 405 Diversity in the Classroom (open to undergraduates only)

— or —

EDUC 504 Teaching and Cultural Diversity (open to graduate students only)

C. POLI 150 American Government

D. PSYC 290 Human Growth and Development including early childhood through adolescence (open to undergraduates only)

— or —

EDUC 572 Advanced Educational Psychology (open to graduate students only)

#### 3. Professional Education Program Courses

(requires formal admission to the Department of Teacher Education)

TEP 420	Secondary Teaching Strategies	3
TEP 421	Field Experience I, 7-12	1
TEP 440	Secondary Curriculum and Procedures	3
TEP 441	Field Experience II, 7-12	1
TEP 560	First and Second Language and Literacy, 7-12	3
TEP 561	Language Acquisition Field Experience, 7-12	1

Full-time student teaching (18-week teaching assignment)\*\*

TEP 580	Student Teaching Seminar	3
TEP 581	Student Teaching, 7-12	9

\*May be counted toward graduation ministry hours

\*\*See "Admission to Student Teaching" p. 185.

4. Within five years of completing the **Preliminary Credential**, students will need to fulfill the **Professional Clear Credential Requirements** (See page 186.) Following completion of all above requirements, you will be eligible to apply for your nonrenewable preliminary credential.

### Special Education: Mild/Moderate Disabilities Credential Requirements (K-12)

#### 1. Subject-Matter Competence

Students must pass the approved multiple-subject examination (Praxis Series MSAT) or Single-Subject examination (Praxis/SSAT test) or demonstrate subject matter competence in an approved APU program.

#### 2. Preprofessional Course Requirements

A. EDUC 405 Diversity in the Classroom (open to undergraduates only)

— or —

EDUC 504 Teaching and Cultural Diversity (open to graduate students only)

B. POLI 150 American Government

C. PSYC 290 Human Growth and Development including early childhood through adolescence (open to undergraduates only)

— or —

EDUC 572 Advanced Educational Psychology (open to graduate students only)

#### 3. Professional Education Program Courses

(Requires formal admission to the Department of Teacher Education.)

EDUC 530	Introduction to Individual Differences*	3
EDUC 531	Tests, Measurements, and Instructional Planning	3
EDUC 535	Counseling, Collaboration, and Consultation	3
EDUC 536	Diagnosis of Mild to Moderate Disabilities	3
EDUC 537	Theories and Interventions in Behavior Disorders	3
EDUC 539	Field Experience: Mild to Moderate	1
TEP 410	Methods and Curriculum	3
TEP 411	Field Experience I	1
TEP 550/560	First and Second Language and Literacy	3
TEP 551/561	Language Acquisition Field Experience	1

Full-time student teaching

(18-week teaching assignment)\*\*

TEP 570/580	Student Teaching Seminar	3
TEP 571/581	Student Teaching, K-12	6

\*May petition to take this course as an undergraduate with approval of special education director.

\*\*See "Admission to Student Teaching" below.

### Admission to Student Teaching

The student teaching application for the traditional multiple-subject, single-subject, and special education programs must be submitted to the Department of Teacher Education Department by **November 1** for spring or **April 1** for the fall semester. Students attend a mandatory Student Teaching Information Meeting in October or March. The education faculty then evaluates the candidate's suitability for the profession in the light of all evidence available. The criteria includes such qualities as scholarship, character, personality, health, industry, and a positive attitude toward children and youth. Admission to student teaching is also dependent upon:

- Subject-matter competence according to state and program guidelines by:
  - Official verification of completion of an approved subject-matter program signed by the credential analyst at the institution of higher education in which courses were taken (If a single-subject applicant has verified completion of at least 4/5<sup>ths</sup> subject matter course work, he or she may be eligible for student teaching. Remaining subject matter courses must be completed before applying for the Preliminary Credential.)
  - or —
  - Proof of passage of MSAT (multiple subject) or Praxis/SSAT (single subject) tests (Special Education students may choose either the MSAT or the Praxis/SSAT, but are recommended to take the MSAT.)

2. Satisfactory completion of all required preprofessional and professional courses
3. Any remediation that may be required for grades lower than *B* in any course leading to student teaching
4. Successful completion and verification of passage of CBEST, receipt of results of Certificate of Clearance, and verification of negative results from a TB skin test

Upon approval, the candidate is placed in appropriate all-day assignments for the 18-week semester. A candidate may be eligible to student teach on an emergency teaching permit. This assignment must be approved by the program director prior to student teaching, and the assignment must last for the duration of the 18-week student teaching semester.

## Off-Campus Internship Credential Program (K-8)

The Internship/M.A. Program is an alternative graduate professional preparation program. It is unique in that the candidate is employed by a public school in a district cooperating with the university. The intern functions as a teacher while completing his/her professional preparation. For further information regarding the Internship Program, please see the Graduate Catalog, attend a Teacher Information Meeting, or contact the Department of Teacher Education.

## Requirements for the Professional Clear Credential

- A. Completion of accredited bachelor's degree
- B. Preliminary credential fulfilled
- C. 30 units beyond the bachelor's degree including:

1. EDUC 500 Computer Education for Teachers
2. EDUC 530 Introduction to Individual Differences
3. Health Education (including substance abuse and nutrition) plus a CPR card (for infants, children, and adults)

## C.L.A.D. Certificate Requirements

- A. Apply with Preliminary Credential or later
- B. Consists of four APU state-approved courses: EDUC 405 or 504; TEP 550 or TEP 560; EDUC 502; EDUC 503
- C. Foreign language requirements

## Course Descriptions

### Liberal Studies/Teacher Education

#### EDUC 300 Introduction to Teaching as a Profession, K-12 (4)

This course provides an overview of and orientation to the role of the professional educator for those interested in teaching as a career. The emphasis is on development of professional self-awareness, including the historical, philosophical, psychological, sociological, and cultural perspectives through which the teaching profession can be viewed. Included are a variety of guest speakers who introduce different careers in education. With an earned grade of *B* or higher, students may use this course to replace EDUC 400 as a preprofessional course requirement prior to taking the professional education program courses. The course includes 15-20 hours of service learning field experience in the Teacher Assistant Program in school settings.

#### EDUC 400 Foundations of Education, K-12 (3)

This course focuses on the art and profession of teaching. Students study the historical, philosophical, political, and legal foundations of education in America in order to gain a greater knowledge and appreciation of the field. Review of relevant concepts and theories in psychology and human development and the application of them to the lives of students as they grow from

elementary to high school and the teaching/learning conditions and dynamics in classrooms are included. Students reflect on being a teacher, extending and evaluating personal philosophy of education, and exploring their position on major issues, concerns, and challenges in schools today and for the future. *Prerequisite: PSYC 290*

#### EDUC 405 Diversity in the Classroom (3)

This course focuses on the examination of the interaction of the student's cultural background with ethics, racial, religious, and gender issues, the educational setting, and wider social forces that affect traditional success and failure for students who are linguistically and culturally different. The course evaluates the role that administrators and teachers play in nurturing a spirit of multiculturalism to schools. *Meets general studies upper-division intensive writing requirement. Includes service learning hours in educational settings. This is a C.L.A.D.-approved course.*

#### EDUC 496 Senior Seminar: Education and Professional Ethics (3)

This senior seminar course prepares students to understand and express a Christian perspective on issues critical to the education profession. Biblical and theological themes relating to education provide a base, while historical biographies and examples supply a context in which students generate a distinctively Christian response to a contemporary problem facing education. *Prerequisites: senior standing; completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

#### EDUC 497 Readings (1-4)

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

#### EDUC 500 Computer Education for Teachers (3)

The areas covered in the course are basic knowledge of hardware and software, the issues that surround computer usage in American society (both today and in the future), and how to use the computer in various ways that are suitable to the grade level and/or subject area of the student. Both instructional and classroom use of

computers are explored, using a wide variety of software. This course is approved by Commission on Teacher Credentialing to meet the computer requirements for a Clear Teaching Credential.

#### EDUC 530 Introduction to Individual Differences (3)

Students are introduced to individuals with exceptional needs, cultural differences, socioeconomic disadvantages, and sexual biases, in order to achieve awareness of and sensitivity to the needs and feelings of persons with differing experiences. There is an introduction to the legal requirements of educating learners in the least restrictive environments. This course is approved by Commission on Teacher Credentialing to meet the computer requirements for a Clear Teaching Credential.

#### TEP 410 Methods and Curriculum I, K-8 (3)

This course offers an introductory study of the content and methods of three elementary school subject areas: mathematics, science, and physical education. *Prerequisites: MATH 110 or equivalent; and admission to the Teacher Education Program; corequisite: TEP 411*

#### TEP 411 Field Experience I, K-8 (1)

Practical field experience related to the content of the corequisite course is provided. *Corequisite: TEP 410*

#### TEP 420 Secondary Teaching Strategies (3)

Various strategies of instruction commonly used in secondary schools are explored. Students have opportunities to plan instructional experiences and evaluate their use. *Prerequisite: admission to Teacher Education Program; Corequisite: TEP 421*

#### TEP 421 Field Experience I, 7-12 (1)

The course offers practical field experience related to the content of the corequisite course. *Corequisite: TEP 420*

#### TEP 430 Methods and Curriculum II, K-8 (3)

The content and methods of language arts, social studies, music, and art in the schools are examined. *Prerequisite: admission to Teacher Education Program; corequisite: TEP 431*

#### TEP 431 Field Experience II, K-8 (1)

This course offers practical field experience related to the content of the corequisite course. *Corequisite: TEP 430*

**TEP 440 Secondary Curriculum and Procedures (3)**

This course introduces secondary curricula, materials, and media pertinent to successful teaching. Individualized work is done with students in their subject specialization to consider the uniqueness of the student and the procedure best suited to its teaching. *Prerequisite: admission to Teacher Education Program; corequisite: TEP 441*

**TEP 441 Field Experience II, Secondary (1)**

Practical field experience related to the content of the corequisite course. *Corequisite: TEP 420*

**TEP 550 First and Second Language and Literacy, K-8 (3)**

This readings methods course affords prospective teachers opportunities to examine and experience general and specific teaching strategies and materials for developing students' receptive and expressive language skills, as well as critical-thinking skills, in all curriculum areas. Students are introduced to second-language acquisition accompanied by practice in using SDAIE and ELD teaching strategies. *This course also helps students prepare to take the RICA Exam. This is a C.L.A.D.-approved course. Prerequisite: admission to Teacher Education Program; corequisite: TEP 551*

**TEP 551 Language Acquisition Field Experience, K-8 (1)**

This course offers practical field experience related to the content of the corequisite course. *Corequisite: TEP 550*

**TEP 560 First and Second Language and Literacy, 7-12 (3)**

This course affords prospective teachers opportunities to examine and experience general and specific teaching strategies and materials for developing students' receptive and expressive language skills (listening, speaking, reading, and writing), as well as critical-thinking skills, in all curriculum areas. An introduction to second-language acquisition accompanied by practice in using SDAIE and ELD strategies form a substantial portion of class content. Students gain practical experience through enrollment in a corequisite course, TEP 561. *This is a C.L.A.D.-approved course. Prerequisite: admission to Teacher Education Program; corequisite: TEP 561*

**TEP 561 Language Acquisition Field Experience, 7-12 (1)**

This course offers practical field experience related to the content of the corequisite course. *Corequisite: TEP 560*

**TEP 570 Teaching Teaching Seminar, K-8 (3)**

In this capstone seminar, students discuss problems common to student teachers, work on individual concerns, and share information of importance to all student teachers. *Prerequisite: admission to student teaching. Corequisite: TEP 571*

**TEP 571 Student-Teaching, Elementary (9)**

Credit is given for a semester of full-time supervised teaching in public schools. The student is involved with all responsibilities that are normally part of a teacher's assignment. *Prerequisite: admission to student teaching; corequisite: TEP 570*

**TEP 580 Student-Teaching Seminar, Secondary (3)**

In this capstone seminar, students discuss problems common to student teachers, work on individual concerns, and share information of importance to all student teachers. *Prerequisite: admission to student teaching; corequisite: TEP 581*

**TEP 581 Student-Teaching, Secondary, 7-12 (9)**

Credit is given for a semester of full-time, supervised student teaching in public schools. The student is involved with all responsibilities that are normally part of a teaching assignment. *Prerequisite: admission to student teaching; corequisite: TEP 580*

# Department of College Student Affairs and Leadership Studies

## Faculty

*Chair and Professor: Dennis Sheridan, Ph.D.*

*Professor: David McIntire, Ed.D.*

*Associate Professor: Grace Barnes, Ph.D.*

*Adjunct Faculty: Matt Browning, M.Ed.;  
Sandy Caminiti, M.Ed.; Steve Eubanks, M.Ed.;  
Terry Franson, Ph.D.; Willie Hamlett, M.A.;  
Sharon Plew, Ed.S., NCC; Gayle Tippitt,  
M.A., MFCC*

## Department Overview

The Department of College Student Affairs and Leadership Studies offers a unique blend of both academic and experiential learning that provides students with an effective type of learning experience for personal and professional growth.

The department provides three programs: an undergraduate minor in leadership studies, a Master of Education in College Student Affairs, and a Master of Arts in Social Science with an emphasis in Leadership Studies. Each program assists students in identifying and developing personal and professional competencies which enable them to contribute more effectively in all areas of their lives.

## Leadership Studies Introduction

The undergraduate minor in leadership studies supports the mission of Azusa Pacific University to develop Christian leaders. The minor works in conjunction with most undergraduate majors in the development of leadership skills which stress communication, ethics, and an understanding of diversity. Holding Jesus as the model of servant leadership, students who have completed this minor should be better prepared to engage the world and continue their process of leadership development throughout their lives.

The minor in leadership studies is comprised of 24 units, 12 units from the Leadership Studies Core and 12 units from a prescribed set of electives.

### Core Requirements 12 units

Students in the leadership studies minor must complete all four of the following core courses for a total of 12 units:

CSA 301	Interpersonal Relations in Community Settings	3
LDRS 201	Introduction to Leadership	3
LDRS 401	Leadership Practicum	3
LDRS 474	Servant Leadership	3

### Electives 12 units

Students in the leadership studies minor must complete one course from each of the following four areas for a total of 12 units:

Communication		3 units
COMM 112	Oral Interpretation	3
COMM 115	Debate	3
COMM 116	Forensics	3
COMM 200	Introduction to Mass Communication	3
COMM 320	Interpersonal Communication	3
Diversity		3 units
CMIN 436	Cross-Cultural Communication	3
GLBL 301	Anthropology for Everyday Life*	3
GLBL 310	Intercultural Communication*	3
GLBL 315	Urban Explorations	3
SOC 358	Human Diversity*	3
Ethics		3 units
PHIL 300	Ethics	3
UBBL 330	Life and Teachings of Jesus*	3

\*Meets a general studies requirement.

Applied Leadership		3 units
BUSI 340	Principles of Organization and Management	3
BUSI 448	Organization and Administrative Behavior	3
COMM 330	Small-Group Communication	3
COMM 420	Conflict Management*	3
COMM 430	Organization and Communication	3
COMM 440	Persuasion and Attitude Change	3
CSA 303	Career and Life Planning	3
POLI 271	Political Topics	3
SOCW 251	Social Welfare Policy and Service	3

\*Meets a general studies requirement.

## Course Descriptions

### College Student Affairs

#### CSA 101 Beginnings: Personal Development and the College Experience (1)

This course is required of all traditional freshmen during their first semester of college. It is a one-semester course that introduces the idea of self-discovery and growth and how it can be the focus of the student's education. The goal is for the student to begin exploring how to make his/her education relevant and meaningful. Emphasis is on assisting the student in becoming aware of what learning opportunities and support are available to the student, where those resources may be found, and the rights and responsibilities of being an Azusa Pacific University student. *Meets general studies requirement for University Skills.*

#### CSA 301 Interpersonal Relations in Community Settings (3)

This course enhances the individual's understanding and ability to utilize the concepts of developmental theory, small-group communication, interpersonal effectiveness, and human relations in the context of a residential community.

#### CSA 303 Career and Life Planning (3)

This course helps students identify and develop their career paths. Emphasis is on identifying and developing gifts and talents, deciding on a major and career path, and undertaking a job search.

### Leadership Studies

#### LDRS 201 Introduction to Leadership (3)

This course introduces students to current leadership concepts and theories and explores the contributions of various leaders.

#### LDRS 401 Leadership Practicum (3)

This course enables students in various leadership positions to develop and practice skills within organizational settings. Student leaders are supervised by an advisor who provides feedback, supervision, and evaluation. Students utilize this practicum experience to integrate and document their growth in the area of leadership.

#### LDRS 474 Servant Leadership (3)

This course explores biblical, historical, and contemporary theories, models, and perspectives of leadership and how they relate to issues of power, authority, manipulation, influence,

persuasion, and motivation; leadership effectiveness skills in the areas of understanding organizational culture, group process, communication, and conflict resolution; leadership efficiency focusing on visioning, goal setting, self-management, understanding of leadership styles, preferences, and the learning process; and leadership empowerment and the stewardship of human resources. The objective of the course is to encourage the discovery and utilization of one's leadership knowledge, skills, and attitudes as one influences others wherever one lives, works, and serves, with an emphasis on servant-leadership values.

*For a description of other courses offered by various departments, please consult that section of the catalog.*

# Department of Physical Education

## Faculty

*Chair and Professor: Donald Lawrence, Ed.D.*

*Professor: Susan Hebel, Ed.D.*

*Associate Professor: Tony Barbone, M.A.*

*Assistant Professors: Gary Knecht, M.A.; Sharon Lehman, M.A.; Cindy McKnight, Ph.D.; Bill Odell, M.A. (Athletic Director)*

*Instructors: Danielle Jorgenson, M.A.; Gerry Gregory, M.S.*

## Department Overview

The Department of Physical Education offers majors in athletic training and physical education. The physical education major offers emphases in teaching, coaching, and recreation; a supplemental authorization in physical education is also offered. The liberal studies major has the option to choose a concentration in physical education.

Azusa Pacific offers a well-balanced sports program for women and men. Men compete in soccer, cross country, football, basketball, baseball, tennis, and track and field. Women compete in cross country, soccer, volleyball, basketball, track and field, softball, and tennis.

The nine full-time faculty members in the Department of Physical Education integrate Christian faith with a scholarly approach to all subject material.

## Physical Education

### Introduction

The physical education major at Azusa Pacific University develops specific intellectual, creative, occupational, and professional skills designed to help the student become a contributing professional.

### Career Opportunities

Azusa Pacific's physical education program is primarily a professional degree that meets the requirements of the Commission on Teacher Credentialing as an approved Single-Subject Program. The major consists of 55 units of concentrated curriculum and allows students a systematic method of

study in which they acquire a teaching credential through the Department of Teacher Education. For California Teacher Credentialing, a fifth year program, consisting of academic work and student teaching, must be completed. Students should contact the APU Department of Teacher Education during the first semester of their junior year for advising related to the Teacher Education Program.

## Requirements for Teacher Preparation in Physical Education

**55 units**

### Prerequisite Science Courses

Both BIOL 101 and BIOL 102, or BIOL 250 and BIOL 251 must be taken prior to PE 325, PE 326, PE 363, PE 364, PE 366, and PE 475.

BIOL 101	Fundamentals of Biology*	4
BIOL 102	Anatomy and Physiology	4

Aquatics—Each student must take at least one unit of aquatics from PE 112-114.

PE 112	Fitness for Life: Beginning Swimming and Conditioning*	1
— or —		

PE 113	Lifeguard Training	2
— or —		

PE 114	Water Safety Instructor (Prerequisite: PE 112)	2
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PE 236	Rhythms and Dance	2
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PE 238	Field Observation in Physical Education	1
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PE 241	Cycling, Combatives, and Self-Defense	1
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PE 242	Introduction to Fitness Principles	1
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PE 243	Racquetball, Handball, and Badminton	1
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PE 244	Tennis and Golf	1
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PE 245	Volleyball and Softball	1
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PE 246	Football and Track and Field	1
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PE 247	Soccer and Basketball	1
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PE 248	Introduction to Outdoor Education	1
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\*Meets a general studies requirement.

PE 249	Global, New, and Multicultural Games	1
PE 320	History and Principles of Physical Education*	3
PE 321	Organization and Administration of Physical Education, Athletics, and Recreation	3
PE 325	Motor Learning	3
PE 326	Motor Development	3
PE 363	Physiology of Exercise	3
PE 364	Kinesiology	3
PE 366	Care and Prevention of Athletic Injuries	3
PE 406	Sociology of Sport*	3
PSYC 330	Psychology of Sport	3

\*Meets a general studies requirements.

Each student must complete two coaching courses from PE 433-438:

PE 433	Coaching Football	2
PE 434	Coaching Track and Field	2
PE 435	Coaching Basketball	2
PE 436	Coaching Baseball	2
PE 437	Coaching Volleyball	2
PE 438	Coaching Soccer	2
PE 450	Physical Education in the Elementary Schools, K-6	3
PE 451	Methods in Physical Education, 7-12	3
PE 475	Tests and Measurements in Physical Education and Sports	3
PE 478	Senior Preparation in Physical Education	2

### Single-Subject Credential

#### Prerequisites **11 units**

EDUC 405	Diversity in the Classroom*	3
PE 240	Health Education, CPR*	2
POLI 150	American Government*	3
PSYC 290	Human Growth and Development*	3

\*Meets a general studies requirement.

### Athletic Coaching (emphasis only)

**22 units**

Academic majors other than physical education may complete the following courses for an athletic coaching minor. A coaching

practicum or other related field experience, in cooperation with the local schools or other organizations, is required.

PE 242	Introduction to Fitness Principles	1
PE 321	Organization and Administration in Physical Education, Athletics, and Recreation	3
PE 325	Motor Learning	3
PE 366	Care and Prevention of Athletic Injuries	3
PE 451	Methods in Physical Education, K-12	3
PE 474	Coaching Practicum	2
PSYC 407	Psychology of Sport	3
Two of the following:		
PE 433	Coaching Football	2
PE 434	Coaching Track and Field	2
PE 435	Coaching Basketball	2
PE 436	Coaching Baseball	2
PE 437	Coaching Volleyball	2
PE 438	Coaching Soccer	2

## Athletic Training Major Introduction

Athletic training is an allied profession dedicated to the prevention, treatment, and rehabilitation of injuries to the physically active. Students studying this field at APU will not only be doing course work, but will also be given multiple opportunities to work with APU athletes, and others, in the practical application of learned skills and knowledge. Content areas include first aid and CPR, risk management, assessment and evaluation of athletic injuries/illnesses, therapeutic modalities and exercise, and health care administration.

### Career Opportunities

The athletic training major provides preparation for entry-level positions at the high school, college/university, and professional sports levels, in clinical or industrial settings, or for graduate studies. The require-

ments of the major are consistent with the recommended guidelines established by the Joint Review Committee on Education Programs in Athletic Training. Upon completion of all aspects of the athletic training major, students will be eligible to sit for the National Athletic Trainers' Association certification examination.

### Admission Requirements

Application to the athletic training major is due on **February 1** of each year. Acceptance will be based on the following criterion:

1. Completion of the application
2. Verification of complete medical records including Hepatitis B vaccine and TB testing
3. A signed oath or affirmation of confidentiality regarding medical information
4. A minimum of two written recommendations
5. A minimum cumulative GPA of 2.5
6. A minimum 3.0 average in the following with no course grade below a C: PEAT 101, PEAT 160, PEAT 220, PEAT 240
7. Minimum 2.0 average in BIOL 101 and BIOL 102 or BIOL 250
8. The completion of 75 hours of observation in athletic training
9. The completion of 50 percent of Level I Athletic Training Proficiencies
10. The submission of a written essay
11. A personal interview

The application form and the specific description of each of the above can be obtained from the director of athletic training.

### Requirements for the Athletic Training Major 56 units

#### Prerequisites 15 units

BIOL 101	Fundamentals of Biology*	4
	(waived with a high school grade of B or higher)	
BIOL 250	Human Anatomy	4

\*Meets a general studies requirement.

PEAT 101	Introduction to Athletic Training	1	PE 243	Racquetball, Handball, and Badminton	1
PEAT 160	First Aid and CPR	2	PE 244	Tennis and Golf	1
PEAT 220	Risk Management for the Physically Active	3	PE 245	Volleyball and Softball	1
PEAT 240	Observation in Athletic Training I	1	PE 246	Football and Track and Field	1
			PE 247	Basketball and Soccer	1
			PE 248	Introduction to Outdoor Education and Camping	1
			PE 249	Global, New, and Multicultural Games	1
			PE 320	History and Principles of Physical Education*	3
			PE 325	Motor Learning	3
			PE 326	Motor Development	3
			PE 451	Methods in Physical Education, 7-12	3
			PE 475	Tests and Measurements in Physical Education and Sports	3
			PE 478	Senior Preparation in Physical Education	2

\*Meets a general studies requirement.

### Single-Subject Credential Prerequisites 11 units

EDUC 405	Diversity in the Classroom*	3
PE 240	Health Education, CPR*	2
POLI 150	American Government*	3
PSYC 290	Human Growth and Development*	3

\*Meets a general studies requirement.

### Additional Courses Required for Athletic Training/Physical Education Single-Subject Teaching Credential 30-31 units

PE 111, 112 or 113	Fitness for Life:*	
	Beginning Swimming and Conditioning* or Lifeguard Training*	1-2
PE 236	Rhythms and Dance	2
PE 238	Field Observation in Physical Education	1
PE 241	Cycling, Combative, and Self-Defense	1
PE 242	Introduction to Fitness Principles	1

\*Meets a general studies requirement.

## Recreation Emphasis Introduction

The recreation emphasis at Azusa Pacific has many professional opportunities for students. Possible opportunities include: teachers of persons with disabilities, YMCA/YWCA instructors and directors, public park and recreation leaders, camp directors, instructors, counselors, directors of religious-affiliated youth centers, leaders for Boy and Girl Scouts and Boys Clubs of America, recreation directors for private industry, employees for the National Park Service or the Armed Forces, Peace Corp



volunteers, church youth pastors, outdoor education leaders, and teachers and administrators in public recreation.

## Requirements for the Recreation Emphasis

Core Courses		26 units
PE 236	Rhythms and Dance	2
PE 321	Organization and Administration of Physical Education, Athletics, and Recreation	3
REC 330	Introduction to Recreation	3
REC 365	Methods and Programs of Recreation	3
PE 406	Sociology of Sport*	3
REC 462	Camp Administration and Leadership Training	3
REC 471	Recreation Internship	1-3
PE 478	Senior Preparation in Physical Education	2
Electives		4 units
REC 368	Fundamentals of Mountaineering	2
REC 465	Winter Practicum	2

\*Meets a general studies requirement.

## Course Descriptions

### Physical Education

#### PE 100 General Physical Education: Cheerleading (1)

This course emphasizes conditioning and development of skills in a practical setting.

#### PE 101 Leisure Time Preparation: Badminton (1)

Students study the individual's physical fitness and recreational needs. Development of skills related to fitness through badminton is combined in the class plan.

#### PE 102 Leisure Time Preparation: Golf (1)

Students study golf as a lifetime recreational activity.

#### PE 103 Leisure Time Preparation:

##### Volleyball (1)

Students study the individual's recreational needs through the development of skills related to volleyball. This class may also be taught on grass.

#### PE 104 Leisure Time Preparation: Tennis (1)

Students study the individual's recreational needs through the development of skills related to tennis.

#### PE 105 Outdoor Experience: Camping (1)

Students study the camping programs available to the public today and survey equipment, sites, and educational opportunities. Practical experience includes two weekend camping expeditions. (Lab fee applies.)

#### PE 108 Fitness for Life: Walking/Jogging (1)

This course teaches the fitness-for-life concept through walking and jogging.

#### PE 109 Fitness for Life: Cycling (1)

This course emphasizes fitness through cycling. The student is instructed in bicycle care, repair, and safety rules. Much time is spent in practical travel lab experience.

#### PE 110 Fitness for Life: Basketball (1)

This course teaches the fitness-for-life concept through basketball. This course is not open to students participating in intercollegiate basketball.

#### PE 111 Fitness for Life: Racquetball (1)

This course teaches the fitness-for-life concept through racquetball.

#### PE 112 Fitness for Life:

##### Beginning Swimming and Conditioning (1)

This course teaches the fitness-for-life concept through swimming.

#### PE 113 Lifeguard Training (2)

This is a certified, advanced life-saving course of the American Red Cross.

#### PE 114 Water Safety Instructors (WSI) Course (2)

This is a certified WSI course of the American Red Cross.

#### PE 116 Fitness for Life: Weight Training (1)

The course teaches the fitness-for-life concept through weight training. Different sections are offered for athletes and nonathletes.

#### PE 117 Fitness for Life: Aerobics (1)

This course teaches the fitness-for-life concept through aerobic conditioning.

#### PE 236 Rhythms and Dance (2)

Students study basic movement and dance in physical education. The course explores the concepts of movement and motor learning and includes basic rhythms, simple folk dances, and gymnastics.

#### PE 238 Field Observation in Physical Education (1)

This course places the undergraduate student in schools to observe physical education classes. The course is to be completed by the student's sophomore year.

#### PE 240 Health Education (2)

This course focuses on the development of the whole-person concept of mental, emotional, social, and physical health practices. This integration includes study of such topics as stress, diet, nutrition, communicable and chronic diseases, alcohol and drug abuse, lifestyles, childbirth, physical fitness, and environmental health. *Meets the general studies requirement for University Skills, to be taken concurrently with a Fitness for Life or varsity sport course.*

#### PE 241 Cycling, Combatives, and Self-Defense (1)

This course provides knowledge and skill development in the areas of cycling, elementary combatives, and basic self-defense.

#### PE 242 Introduction to Fitness Principles (1)

The course provides all major candidates with the ability, knowledge, and resources necessary to implement and manage a physical conditioning curriculum at the public school level. Students not only gather research and documentation, but explore the subject matter through actual experience.

#### PE 243 Racquetball, Handball, and Badminton (1)

This course provides knowledge and skill development in three sports for the physical education major. Upon completion, the student is able to teach and demonstrate racquetball, handball, and badminton.

#### PE 244 Tennis and Golf (1)

The course gives primary attention to the skills development of tennis and golf. Students are exposed to all the basic skills, techniques, and rules, providing a strong foundation for the

preparation of a physical education curriculum in these two activities. Each sport is emphasized for one half of the semester.

#### PE 245 Volleyball and Softball (1)

This course analyzes the instructional process of teaching volleyball and softball skills. Basic skills, rules, strategies, and teamwork are developed from beginning to intermediate to advanced stages. Each sport is emphasized for one half of the semester.

#### PE 246 Football and Track and Field (1)

This course provides instruction and skill development in the fundamentals of football and track and field. Physical education majors learn by practicing specific skills in order to teach and demonstrate these sports. Each sport is emphasized for one half of the semester.

#### PE 247 Soccer and Basketball (1)

This course develops proficiency of basic skills, rules, and strategies in basketball and soccer. Each sport is emphasized for one half of the semester.

#### PE 248 Introduction to Outdoor Education/Camping (1)

This course introduces the student to the environment through outdoor education study and camping. Environmental issues, awareness, and the basic skills of camping and outdoor education are emphasized.

#### PE 249 Global, New, and Multicultural Games (1)

This course provides the student with the opportunity to acquire theoretical knowledge, skills, and resources of global and nontraditional games.

#### PE 301 Varsity Baseball: Men (1)

By playing the game, students participate at the highest level of competition and adhere to recreational, social, and fundamental standards. Theory of varsity baseball for intercollegiate competition only is presented. (*varsity athletes only*)

#### PE 302 Varsity and Junior Varsity Basketball: Men (1)

Students receive advanced instruction and intensive training in the fundamentals of basketball. Individual and team play, strategy, and offensive and defensive formations are utilized in men's intercollegiate basketball. (*varsity athletes only*)

**PE 303 Varsity Track and Field: Men and Women (1)**

Students train and workout two hours daily in various track and field events and compete in intercollegiate track and field meets. (*varsity athletes only*)

**PE 304 Varsity Cross Country: Men and Women (1)**

Students receive instruction, practice, and training in distance running for intercollegiate competition. (*varsity athletes only*)

**PE 305 Varsity Tennis: Men and Women (1)**

Students are instructed in the mechanics of the game to suit the individual. Supervised practice, lectures, and intercollegiate competition are included. (*varsity athletes only*)

**PE 307 Varsity Football: Men (1)**

Conditioning and training are practiced in all phases of modern football. Students view pictures, study plays, and participate in chalk talks, examination of team plays, and intercollegiate competition. (*varsity athletes only*)

**PE 308 Varsity Basketball: Women (1)**

Advanced instruction and intensive training in the fundamentals of basketball are offered. Individual and team play, strategy, and offensive and defensive formations are utilized in intercollegiate competition. (*varsity athletes only*)

**PE 309 Varsity Volleyball: Women (1)**

Students participate in intercollegiate competition with intense instruction in fundamentals, theory, and practice of the strategies of offensive and defensive play. (*varsity athletes only*)

**PE 310 Varsity Soccer: Men (1)**

Students receive advanced preparation in strategy, fundamentals, and techniques for intercollegiate competition. (*varsity athletes only*)

**PE 311 Varsity Soccer: Women (1)**

Students receive advanced preparation in strategy, fundamentals, and techniques for intercollegiate competition. (*varsity athletes only*)

**PE 312 Varsity Softball: Women (1)**

Students receive advanced preparation in strategy, fundamentals, and techniques for intercollegiate competition. (*varsity athletes only*)

**PE 320 History and Principles of Physical Education (3)**

The historical and philosophical development of physical education and sport is studied. This course includes discussion of current theories, philosophies, and practices in the profession. *Meets the general studies upper-division writing intensive course requirement.*

**PE 321 Organization and Administration of Physical Education, Athletics, and Recreation (3)**

The basic principles of organization, administration, and supervision are stressed with emphasis on topics such as staffing, budget, program organization, purchasing, and management in the individual areas of physical education, athletics, and recreation.

**PE 325 Motor Learning (3)**

This course focuses on learning processes and factors associated with developing the human body. An overview of both traditional and new theories of learning is offered. *Prerequisites: BIOL 102 or BIOL 250, and BIOL 251.*

**PE 326 Motor Development (3)**

This course takes a life-span approach by exploring motor development from conception through adulthood. Primary cognitive and effective factors that affect motor development during each of these periods is presented. *Prerequisites: BIOL 102 or BIOL 250, and BIOL 251*

**PE 363 Physiology of Exercise (3)**

Students study the effects of exercise on the circulatory and respiratory systems and the musculature. Analysis is made of these systems and how to achieve maximum efficiency during physical performance. *Prerequisites: BIOL 102 or BIOL 250, and BIOL 251*

**PE 364 Kinesiology (3)**

The structural and functional mechanics of movement through an in-depth study of kinesiological, corrective, and adaptive principles are analyzed. Techniques of postural evaluation, muscle testing, therapeutic exercises, and fundamentals of body mechanics are coupled with kinesiological principles for the detection and correction of basic neuromusculoskeletal anomalies. *Prerequisite: BIOL 102, BIOL 250, or BIOL 251*

**PE 366 Care and Prevention of Athletic Injuries (3)**

This course presents the methods used in the recognition, evaluation, and care of athletic injuries. Techniques in taping, prevention, and rehabilitation of injuries are studied. *Prerequisite: BIOL 102, BIOL 250, or BIOL 251*

**PE 406 Sociology of Sport (3)**

Students explore the sociological aspects of play and sport and how they directly relate to the teaching and coaching professions. The course includes the study of sports in America and the implications sports have as a subculture within the American society. *Meets the general studies upper-division writing intensive course requirement.*

**PE 423 School Health Education (3)**

The responsibilities of the classroom teacher toward health problems are studied. Proper cooperation with medical services, provision of healthful classroom environment, and health instruction are explored.

**PE 433 Techniques of Coaching Team Sports: Football (2)**

The theory, fundamentals, strategies, and techniques of coaching football are studied.

**PE 434 Techniques of Coaching Team Sports: Track and Field (2)**

The theory, fundamentals, strategies, and techniques of coaching track and field are studied.

**PE 435 Techniques of Coaching Team Sports: Basketball (2)**

The theory, fundamentals, strategies, and techniques of coaching basketball are studied.

**PE 436 Techniques of Coaching Team Sports: Baseball (2)**

The theory, fundamentals, strategies, and techniques of coaching baseball are studied.

**PE 437 Techniques of Coaching Team Sports: Volleyball (2)**

The theory, fundamentals, strategies, and techniques of coaching volleyball are studied.

**PE 438 Techniques of Coaching Team Sports: Soccer (2)**

The theory, fundamentals, strategies, and techniques of coaching soccer are studied.

**PE 450 Physical Education in Elementary Schools, K-6 (3)**

This course offers an analysis of the content in elementary physical education. Basic skill movements used in developmental games and gymnastics are taught. Ten hours of field work experience are required. *Prerequisite: upper-division standing*

**PE 451 Methods in Physical Education, 7-12 (3)**

This course provides a classroom and simulated practical teaching experience for the prospective physical educator. Emphasis is on the development of a viable teaching style utilizing a variety of contemporary methods.

**PE 474 Practicum in Coaching (2)**

Students study the application of theory and methods in an actual coaching situation. Supervision and evaluation are conducted by the coaching staff of the cooperating schools. The experience lasts the duration of the selected sport's season.

**PE 475 Tests and Measurements in Physical Education and Sports (3)**

This course analyzes the measurements of motor behavior and evaluation of physical skills performance. Effectiveness of the program in physical education and exercise science is examined. Basic concepts of statistics are taught along with the introduction of computers as tools to be used in the professional arena.

**PE 478 Senior Preparation in Physical Education (2)**

This course is designed as a culminating seminar for graduating seniors to discuss, plan, and implement strategies for future professional advancement. Current professional issues, growth, and future trends are examined.

**PE 495 Applied Physical Education (3)**

The course helps prospective physical education teachers obtain a professionally guided experience benefiting them in primary and secondary schools. This course is open to seniors only with the department chair's approval.

**PE 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**PE 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**PE 499 Thesis/Project (1-4)**

This is a senior level “capstone” type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, or electronic media. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

**Athletic Training****PEAT 101 Introduction to Athletic Training (1)**

This course introduces the student to the profession of athletic training by reviewing its history and defining the roles and responsibilities of the athletic trainer. Students learn about the National Athletic Trainers' Association and career opportunities in the field. A discussion of the Azusa Pacific University Athletic Training Curriculum is included with the goals, objectives, and requirements of the program as well as the expectations of student athletic trainers. In addition, students are introduced to the basic knowledge and skills necessary to become certified athletic trainers.

**PEAT 160 First Aid and CPR (2)**

This course follows the basic guidelines for the American Red Cross course Community Health and Safety. Included are adult, child, infant CPR, and standard first aid as well as CPR for the professional rescuer. Students may receive American Red Cross certifications upon successful completion of the course.

**PEAT 220 Risk Management for the Physically Active (3)**

This course teaches students the basic principles of risk management for the physically active. Specific emphasis is placed on the areas of conditioning, equipment fitting, and environmental risk factors. The student also becomes familiar with common medical terminology, injury mechanisms, common injuries and injury treatment, and factors predisposing individuals to injury.

**PEAT 240 Observation in Athletic Training I (1)**

This course introduces students interested in athletic training to the practical aspects of the profession. Students are assigned to clinical rotations where they have the opportunity to observe practicing athletic trainers. Students are also instructed on the day-to-day operation of an athletic training facility, including basic record keeping and maintenance of a healthcare facility.

**PEAT 242 Observation in Athletic Training II (1)**

This course is designed for sophomore students interested in athletic training. Students learn athletic taping and bracing techniques. Students also assigned to clinical rotations where they have the opportunity to observe practicing athletic trainers.

**PEAT 270 Assessment and Evaluation in Athletic Training (4)**

This course includes an in-depth inquiry into the anatomical and physiological process associated with the occurrence of injuries to be physically active. By recognizing the signs and symptoms and then interpreting results of special tests, the student develops techniques and methods with which to accurately evaluate and determine the extent of injury sustained. Also included is information concerning the recognition of skin conditions, illnesses, and mental disorders that may be present in the active population. Laboratory experiences are used to supplement classroom instruction. *Prerequisites: PEAT 220 and BIOL 250*

**PEAT 340 Practicum in Athletic Training I (1)**

This course is designed for junior level students who have been accepted into the athletic training major. Students are assigned to a certified athletic trainer/clinical instructor who directly supervises the students as they work with the

intercollegiate teams at APU. Students are allowed to work directly with the athletes including providing first aid and immediate injury care, athletic injury/illness assessments, and athletic taping and bracing, as they display competence in the proficiencies of athletic training. *Prerequisites: PEAT 270 and acceptance into the athletic training major*

**PEAT 342 Practicum in Athletic Training II (1)**

This course is designed for junior level students who have been accepted into the athletic training major. Students are assigned to a certified athletic trainer/clinical instructor who directly supervises the students as they work with the intercollegiate teams at APU. As students display competence in the proficiencies in athletic training, they are given increased responsibility in working directly with the athletes. In addition to the responsibilities of Practicum I, students may begin working with therapeutic modalities. *Prerequisites: PEAT 270, PEAT 340, and PEAT 351*

**PEAT 351 Therapeutic Modalities (3)**

This course focuses on the theory and operation of various therapeutic modalities which are used in the treatment of injuries to be physically active. Included are hydrotherapy, electrotherapy, thermotherapy, cryotherapy, therapeutic massage, and other manual and mechanical techniques. A laboratory component is included.

**PEAT 352 Therapeutic Exercise (3)**

This course focuses on the theory and operation of various contemporary methods of therapeutic exercise in the rehabilitation of injuries to the physically active. The student is introduced to manual as well as mechanical testing and other primary components of comprehensive rehabilitation designs and implementation, including: determining therapeutic goals, progress, and ability to return to athletic participation. A laboratory component is included. *Prerequisite: PEAT 270*

**PEAT 440 Practicum in Athletic Training III (1)**

This course is designed for senior level students in the athletic training major. Students are assigned to a certified athletic trainer/clinical instructor who directly supervises the students as they work at APU. Students may work with

intercollegiate teams and/or be assigned to work with athletes performing rehabilitation. Students working with intercollegiate teams will, working with the supervising certified athletic trainer, assume the daily responsibilities of providing total health care for the athletes. As students display competence in the proficiencies in athletic training, they are given increased responsibility. *Prerequisites: PEAT 340, PEAT 342, and PEAT 352*

**PEAT 442 Internship in Athletic Training (3-6)**

This course is designed for senior level students in the athletic training major. Students learn the basic principles of pharmacology as they relate to working with the physically active population. Students also are assigned to a certified athletic trainer/clinical instructor at an off-campus site who directly supervises the students. Students may be assigned to a high school, a sports medicine clinic, or other affiliated setting. Specific duties and responsibilities are determined by the professor in conjunction with the on-site clinical supervisor. *Prerequisites: PEAT 340, PEAT 342, PEAT 351, and PEAT 352*

**PEAT 469 Health Care Administration (3)**

This course addresses the organizational and administrative aspects of health care to the physically active. Students study such issues as medical record keeping, facility design and maintenance, leadership strategies, insurance issues, public relations, and legal and ethical issues related to health care.

**PEAT 495 Research Methods (4)**

The focus of the course is on the critical reading of athletic training and sports medicine literature, the interpretation of research, and the analysis of research methodology appropriate in the field. This course is designed to enhance students' abilities to be consumers of research information, participants in the research process, and communicants of research results. Students are required to conduct a research project and write a comprehensive research report, including introduction, literature review, methods, results, discussion, and conclusions. Discussions also focus on current knowledge and future trends in athletic training and sports medicine, as seen in the literature.

**PEAT 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**PEAT 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**PEAT 499 Thesis/Project (1-4)**

This is a senior level “capstone” type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, or electronic media. No more than one unit may be used to fulfill preparatory readings requirement.

*Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

**Recreation****REC 330 Introduction to Recreation (3)**

Students study the broad field of recreation, including history, organization, and concepts. A view of public and private agencies with current problems and trends is thoroughly investigated.

**REC 365 Methods and Programs in Recreation Activities (3)**

Program organization, development, and implementation are taught. Both public and private programs are discussed.

**REC 366 Fundamentals of Mountaineering (2)**

The fundamental procedures, equipment, and basic safety of beginning mountaineering and rock craft are studied thoroughly. Experiences in climbing and direct aid, the techniques of chock placement, and an understanding of mechanical placements are explored.

**REC 462 Camp Administration and Leadership Training (3)**

This course addresses the practical administration of day, summer, and extended camps in urban and outdoor settings. It emphasizes a comprehensive leadership program that includes the understanding of self, group, and community.

**REC 465 Winter Practicum (2)**

This course includes reading and skill development in cross-country skiing, snow shoeing, snow and ice techniques, and basic winter mountaineering. Avalanche precautions are demonstrated and practiced.

**REC 471 Recreation Internship (3)**

Arranged with the professor, this course covers at least a 12-week period in which the student, Azusa Pacific University, and a recreation agency cooperate in a work-study arrangement. This is an unpaid arrangement for the purpose of working in the agency structure, meeting with and relating to the public at the agency level, learning office and job procedures, and evaluating students' skills in recreational and occupational areas.

**REC 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

# Department of Psychology

## Faculty

*Chair and Professor: Brian Eck, Ph.D.*

*Professor: Thomas Malcolm, Ph.D.*

*Associate Professor: Stephanie Juillerat, Ph.D.*

*Assistant Professors: Vonda Lozano, M.Div.; Alan Oda, Ph.D.*

## Department Overview

The Department of Psychology at Azusa Pacific University assists students in developing the skills necessary for the observation, understanding, and analysis of human behavior. Study in psychology provides a foundational background for a broad variety of careers in which the understanding of human behavior and social processes is useful.

In their study of psychology, students are encouraged to engage in personal exploration and development within the spirit of community. Students gain a greater awareness of their strengths, skills, and areas for personal, intellectual, and spiritual growth.

Each faculty member is a committed Christian with an interest in the individual student. As a department, the faculty is committed to preparing students for a wide range of post-baccalaureate work in psychology and related disciplines and helping students discuss and reflect upon the relationship of psychology and their Christian faith.

Programs and activities associated with psychology are planned by the faculty and the Psychology Club at various times during the year. These activities include the monthly meeting of the Christian Association for Psychological Studies in which students interact with area Christian psychology professionals.

## Psychology

### Career Opportunities

Graduates with a bachelor's degree in psychology have a foundational background for a broad variety of careers in business and human services. These include entry-level jobs in mental health and community service agencies or human resources. For advanced work such as testing, counseling, or consulting, a master's degree is generally the minimum requirement. Psychologists with doctoral degrees qualify for more advanced counseling, research, and teaching positions. Psychology majors with advanced degrees may pursue careers in educational, developmental, child, family, health, sports, industrial/organizational, ministry, and experimental psychology. They may also pursue licensure as clinical, counseling, and school psychologists, and marriage and family therapists. For students interested in earning an advanced degree, Azusa Pacific University offers a Master of Arts in Clinical Psychology with an emphasis in Marriage and Family Therapy and a Doctor of Psychology in Clinical Psychology with an emphasis in Family Psychology.

### Requirements for the Psychology Major **45 units**

The core requirements of the psychology major provide students with a grounding in the primary areas of the discipline and for understanding the basics of human behavior.

Students must maintain a C grade in all courses required for the major or the minor.

#### Core Requirements **27 units**

Understanding the field of psychology		
PSYC 110	General Psychology*	3
PSYC 340	History of Psychology	3
PSYC 496	Senior Seminar (to be developed)	3

Understanding human behavior		
PSYC 290	Human Growth and Development*	3
PSYC 360	Abnormal Psychology	3
PSYC 380	Psychology of Personality	3
PSYC 425	Social Psychology	3

Understanding the basics of psychological research		
PSYC 350	Applied Statistics	3
PSYC 420	Research Methods in Psychology*	3

\*Meets a general studies requirement.

### Requirements for Psychology Concentrations

Beyond core requirements, students complete the major requirements by choosing a concentration. Based on a student's primary interests, the choice of a concentration enables the student to begin to prepare for post-baccalaureate work in psychology. Concentrations should be declared in the spring semester of the sophomore year.

The department offers eight concentrations to assist students in preparing for careers in psychology.

Students seeking further information on careers which correspond to the concentrations offered by the department should contact the appropriate division of the American Psychological Association (APA). The division identified with each concentration represents professionals working in that sub-specialty of the field of psychology.

<b>Counseling Psychology</b>	
Division 12, Society of Clinical Psychology	
Division 17, Counseling Psychology	
Division 29, Psychotherapy	

<b>Family and Child</b>	
Division 43, Family Psychology	

<b>Health Psychology</b>	
Division 38, Health Psychology	

<b>Industrial/Organizational Psychology</b>	
Division 14, Society for Industrial and Organizational Psychology	

<b>Psychology and Ministry</b>	
Division 36, Psychology of Religion	
<b>Research Psychology</b>	
Division 3, Experimental Psychology	
<b>Sports Psychology</b>	
Division 49, Exercise and Sport Psychology	

### Counseling Psychology Concentration **18 units**

The counseling psychology concentration is directed toward students who have an interest in developing a background in foundational counseling theories, skills, and methods. This concentration prepares students for advanced study leading to positions in clinical or counseling psychology, working in social agencies, or in church-based counseling ministries.

#### Required Courses **18 units**

PSYC 390	Cognition	3
— or —		
PSYC 405	Psychology of Learning	3
PSYC 415	Group Processes	3
PSYC 445	Psychology of Family	3
PSYC 450	Counseling	3
PSYC 455	Behavioral Science Practicum	3
PSYC 480	Psychological Testing and Measurement	3

#### Recommended Courses **9 units**

COMM 320	Interpersonal Communication	3
PSYC 225	Personal and Social Adjustment*	3
PSYC 440	Psychology of Religion*	3

\*Meets a general studies requirement.

### Family and Child Concentration **18 units**

The family and child concentration provides background in the process of child and family development and the related issues of prevention and treatment. This concentration is directed toward students

who are preparing for bachelor's level work with children and families and/or graduate study.

#### Required Courses **18 units**

PSYC 345	Psychology of Child and Adolescent Development	3
PSYC 355	Psychology of Adult Development	3
PSYC 410	Psychology of the Exceptional Child	3
PSYC 430	Intervention Strategies for Children	3
— or —		
PSYC 450	Counseling	3
PSYC 445	Psychology of Family	3
PSYC 455	Behavioral Science Practicum	3

#### Recommended Courses **12 units**

SOC 230	Comparative Family Systems*	3
SOCW 350	Aging: Implications for Policy and Practice	3
SOCW 351	Child Welfare*	3
ENGL 434	Children's Literature*	3

\*Meets a general studies requirement.

### General Psychology Concentration **18 units**

The general psychology concentration is directed toward students who desire training in the field of psychology but because of their unique career interests, goals, or life needs, are best served by selecting courses from throughout the concentrations.

#### Required Courses **18 units**

Any six upper-division electives offered by the department.

### Health Psychology Concentration **18 units**

The health psychology concentration increases the student's understanding of the field and prepares him/her for advanced study in this area of psychology. This



emphasis involves understanding the psychological aspects related to promoting health behavior and how psychological principles can be applied to the treatment and prevention of illness.

#### Required Courses 18 units

PSYC 345	Psychology of Child and Adolescent Development	3
— or —		
PSYC 355	Psychology of Adult Development	3
PSYC 385	Health Psychology	3
PSYC 390	Cognition	3
— or —		
PSYC 405	Psychology of Learning	3
PSYC 450	Counseling	3
PSYC 470	Physiological Psychology	3
PSYC 480	Psychological Testing and Measurement	3

#### Recommended Courses 25 units

BIOL 102	Anatomy and Physiology	4
BIOL 250	Human Physiology	3
BIOL 330	Gender Differences*	3
BIOL 265	Nutrition	3
BIOL 326	Neurobiology	3

\*Meets a general studies requirement.

CHEM 111	Chemistry for the Health Sciences	3
PSYC 440	Psychology of Religion*	3

#### Industrial/Organizational Psychology Concentration 18 units

The industrial/organizational psychology concentration is directed toward students who have an interest in applying the knowledge and methods of psychology to business and organizational settings.

#### Required Courses 18 units

PSYC 355	Psychology of Adult Development	3
PSYC 370	Industrial/Organizational Psychology	3
PSYC 415	Group Processes	3
PSYC 480	Psychological Testing and Measurement	3

Two of the following:

BUSI 340	Principles of Organization and Management	3
BUSI 445	Human Resource Management	3
BUSI 448	Organization and Administrative Behavior	3
MKTG 362	Consumer Behavior*	3

\*Meets a general studies requirement.

#### Recommended Courses 18 units

BUSI 360	Principles of Marketing	3
BUSI 445	Human Resource Development	3
BUSI 450	Public Relations	3
COMM 200	Understanding Mass Communications	3
COMM 320	Interpersonal Communication	3
COMM 330	Small-Group Communication	3

#### Psychology and Ministry Concentration 18 units

The psychology and ministry concentration is directed toward students who are interested in applying the methods and principles of psychology to church- and ministry-related settings.

#### Required Courses 18 units

PSYC 415	Group Processes	3
PSYC 435	Psychology and Christianity: Integration Seminar	3
— or —		
PSYC 440	Psychology of Religion	3
PSYC 445	Psychology of Family	3
PSYC 450	Counseling	3

Two of the following:

CMIN 336	Christian Family Life	3
CMIN 428	Church and Society	3
CMIN 466	Adult Development and Spiritual Formation	3
— or —		

Two courses in psychology from the "Focus on the Family Institute"

#### Recommended Courses 18 units

COMM 320	Interpersonal Communication	3
COMM 330	Small-Group Communication	3
PHIL 340	Concepts of Human Nature*	3
THEO 353	Church History*	3
THEO 363	Contemporary Christian Thought*	3
THEO 422	Individual and Society	3

\*Meets a general studies requirement.

#### Research Psychology Concentration 18 units

The research psychology concentration is directed toward students who have an interest in pursuing graduate studies in psychology. Students develop the skills and background necessary for producing and evaluating psychological research and applying research methodologies.

#### Required Courses 18 units

PSYC 390	Cognition	3
PSYC 405	Learning	3
PSYC 406	Advanced Statistics	3
PSYC 462	Advanced Research Methods	3
PSYC 470	Physiological Psychology	3
PSYC 475	Research Practicum	3

#### Recommended Courses 12 units

CS 220	Introduction to Computer Science	3
CS 405	Research and Statistical Analysis Using SPSS	3
PSYC 440	Psychology of Religion*	3
PSYC 480	Psychological Testing and Measurement	3

\*Meets a general studies requirement.

#### Sports Psychology Concentration 18 units

The sports psychology concentration increases the student's understanding of the field and prepares him/her for advanced study in this area of psychology. This emphasis involves the study and understanding of the psychological factors associated with performance in sport and other types of physical activity.

#### Required Courses 18 units

PSYC 330	Sports Psychology	3
PSYC 345	Psychology of Child and Adolescent Development	3
— or —		
PSYC 355	Psychology of Adult Development	3

PSYC 390	Cognition	3
— or —		
PSYC 405	Psychology of Learning	3
PSYC 450	Counseling	3
PSYC 470	Physiological Psychology	3
PSYC 480	Psychological Testing and Measurement	3

### Recommended Courses 25 units

BIOL 102	Anatomy and Physiology	3
BIOL 330	Gender Differences*	3
CHEM 111	Chemistry for the Health Sciences	3
PEAT 252	Fieldwork in Athletic Training	1
PE 325	Motor Learning	3
PE 363	Physiology of Exercise	3
PE 364	Kinesiology	3
PE 406	Sociology of Sport	3
PE 474	Practicum in Coaching	3

\*Meets a general studies requirement.

### Requirements for the Psychology Minor 21 units

PSYC 110	General Psychology*	3
PSYC 225	Personal and Social Adjustment*	3
PSYC 290	Human Growth and Development*	3
PSYC 360	Psychology of Personality	3
PSYC 380	Abnormal Psychology	3

Two Upper-Division Psychology Electives 6

\*Meets a general studies requirement.

## Course Descriptions

### PSYC 110 General Psychology (3)

This general survey course explores the field of psychology. It includes human development, social psychology, learning, perception, cognition, motivation, personality, psychological testing, and nervous system functioning. *Meets the general studies core requirement for Identity and Relationships.*

### PSYC 225 Personal and Social Adjustment (3)

Students are acquainted with the concept of the “fully functioning individual” and some of the ways of attaining and maintaining such a level of functioning. Facilitation of personal growth through self-awareness and interpersonal relationships are the major emphasis of this course. The course is recommended to students who wish to understand more fully their own psychological functioning. *Meets the general studies core requirement for Identity and Relationships.*

### PSYC 290 Human Growth and Development (3)

This study of human development across the life span, emphasizes a multidisciplinary perspective including such areas as psychology, sociology, processes as social interaction, and the tools for applying developmental psychology to life situations. *Meets general studies core requirement for Identity and Relationships.*

### PSYC 330 Sports Psychology (3)

Sports psychology is a survey course that explores the role of psychology as it is related to the enhancement of athletic performance. Emphasis is on areas related to sports and physical activity such as motivation, self-confidence, goal setting, burnout, anxiety, healthy attitudes toward sports participation, and other sports-related activity. Emphasis is on critically reviewing sports psychology literature and research in an attempt to separate effective and ineffective psychology-related approaches to sport activity.

### PSYC 340 History of Psychology (3)

The historical growth of psychological science is surveyed. This course focuses on major theorists and their ideas in relation to the historical context as well as current psychological issues.

### PSYC 345 Psychology of Child and Adolescent Development (3)

This course is an advanced examination of emotional, cognitive, physical, and social development from infancy through adolescence. The process of human development as a complex interaction of biological and sociocultural factors is reviewed. Contemporary research topics focusing on genetics, fertility, attachment, communication, and cognitive and moral aspects of development are examined. *Prerequisite: PSYC 290*

### PSYC 350 Applied Statistics (3)

This is an elementary course in basic statistical concepts. Students are introduced to the understanding and use of necessary computational procedures to attain the basic skills in the following: frequency distributions, graphs, central tendency, variability, normal curve, probabilities, correlation, hypothesis testing, and chi square. Understanding and use of the above statistics is stressed over mathematical development.

### PSYC 355 Psychology of Adult Development (3)

This course is an advanced examination of the emotional, cognitive, physical, and social development of individuals from young adulthood through the end of life. The process of adult development as an interplay of biological, psychological, cognitive, and psychosocial aspects is examined. Emphasis is on normal patterns in adult development, personal, and emotional development in adulthood, as well as on contemporary research in areas of health, gender, marriage and relationships, family and parenting, ethnic/ecological systems, work, and ethics and morality. *Prerequisite: PSYC 290*

### PSYC 360 Abnormal Psychology (3)

The major focus of this course is mental illness and abnormal behavior, in light of modern theory and knowledge. Current trends and modern methods of diagnosis, understanding, treatment, and prevention are discussed. *Prerequisite: PSYC 290*

### PSYC 370 Industrial/Organizational Psychology (3)

Students survey the basic behavioral science research and thinking as they contribute to industrial and organizational psychology including worker attitudes and theories of motivation,

organizational structure and communication, theories of leadership and decision making, conflict resolution, and methods of personnel selection and appraisal.

### PSYC 380 Psychology of Personality (3)

This course acquaints students with the various basic elements of personality and their integration. Students explore concepts regarding the basic components of personality and the processes that undergird an individual's growth and behavior. In addition, traditional theories of personality are reviewed. *Prerequisite: PSYC 290*

### PSYC 385 Health Psychology (3)

This is a survey course exploring the role of psychology as it is related to human physiology and the health field. Topics include basic neurology, stress management, nutrition, addictive substances, immunological disorders, and other relevant psychophysiological areas. *Prerequisites: psychology core courses and one biology course*

### PSYC 390 Cognition (3)

This course provides students with an overview of issues in cognitive psychology. Theories and research concerning perception, memory, and other higher-order mental processes such as imagery, general knowledge, language, problem solving and creativity, concept formation, logical reasoning, and decision making are discussed. Many of these topics are viewed from a developmental perspective in order to understand the genesis and progress of different cognitive skills.

### PSYC 405 Psychology of Learning (3)

Major theories and research in the psychology of learning are studied. Included is a consideration of how learning theories have developed historically and their application to modern social and psychological problems.

### PSYC 406 Advanced Statistical Methods (3)

This course gives students an opportunity to expand and develop their knowledge of statistical methods applicable to the behavioral sciences. *Prerequisite: PSYC 350*

### PSYC 410 Psychology of Exceptional Children (3)

Students examine and analyze the problems faced by the exceptional child. The study includes physical and emotional adjustment. *Prerequisite: PSYC 290*



**PSYC 415 Group Process (3)**

Students survey the basic behavioral science research and thinking as applied to human interaction in groups. This includes such topics as group formation, phases, and structure, types and uses of groups, group communication, group conflict resolution, and methods of group leadership.

**PSYC 420 Research Methods in Psychology (3)**

Students explore some of the basic problems related to research in psychology. The emphasis is on the application of the scientific method to the field of psychology. The importance of experimental design in applied research is also emphasized. *Meets the general studies upper-division writing intensive course requirement.*  
*Prerequisite: PSYC 350*

**PSYC 425 Social Psychology (3)**

The relationships between social interaction processes and individual behavior are studied. The course familiarizes the student with a variety of perspectives on social behavior; encourages the student to become a careful observer of social interaction through systematic research; and examines the implications of socio-psychological theory and research for present and future changes in the structure of human relationships.

**PSYC 430 Intervention Strategies with Children (3)**

This course provides an introduction to a broad range of assessment and intervention strategies designed to meet the developmental, psychomotor, language, behavioral, and education needs of children. Issues of normative and non-normative child and family functioning in child assessment and intervention planning are considered. Observational techniques, standardized tests, informal assessment measures, developmental assessments, and alternatives to current testing practices are discussed and reviewed from the multiple disciplines impacting child assessment and intervention. The broad range of modalities utilized in intervention with children is given strong emphasis with observation and student practice required at an intervention site.  
*Prerequisites: PSYC 290, PSYC 345, and PSYC 410*

**PSYC 435 Psychology and Christianity: Integration Seminar (3)**

This class makes explicit what each psychology class at Azusa Pacific does implicitly: integrate the discipline of psychology with the Christian faith. It examines the theoretical and theological issues involved in this process and then probes specific areas within the field of psychology.

**PSYC 440 Psychology of Religion (3)**

This course investigates the common ground between psychology and religion. Values, mature religion, the nature of humanity, and religious experience are all areas of study for this purpose. *Meets the requirement for general studies upper-division elective in Identity and Relationships.*

**PSYC 445 Psychology of the Family (3)**

This course provides an overview of the field of family psychology. The three primary areas of study are: family systems theory, the family life-cycle, and the exploration of several theoretical frameworks for the study of families. Students are given the opportunity to apply these concepts to their own family of origin. *Prerequisite: PSYC 290*

**PSYC 450 Counseling (3)**

Students are introduced to counseling. Theories and research on the helping relationship are explored. A major portion of the course is devoted to understanding and practicing helping skills. *Prerequisite: junior or senior standing*

**PSYC 455 Behavioral Science Practicum I (3)**

This course is designed for students who have completed most of the psychology or sociology major requirements. Each student participates in one or more endeavor(s) that offer(s) an opportunity to apply former training in a professional setting while acquiring new knowledge.

**PSYC 460 Behavioral Science Practicum II (3)**

This course is designed for students who have completed most of the psychology or sociology major requirements. Each student participates in one or more endeavor(s) that offer(s) an opportunity to apply former training in a professional setting while acquiring new knowledge.

**PSYC 462 Advanced Research Methods (3)**

This course gives students an opportunity to expand and develop their knowledge of research

and experimental techniques and topics applicable to the behavioral sciences. *Prerequisites: PSYC 350 and PSYC 420*

**PSYC 465 Advanced General Psychology (3)**

This course is designed for the student interested in graduate study. It integrates the theories and concepts presented in the various undergraduate psychology courses and enables the student to achieve an eclectic understanding of psychology.

**PSYC 470 Physiological Psychology (3)**

The course examines the physiological basis of human behavior. The goal is to assess the role of sensation, central and peripheral nervous system functions, and glandular and muscular responses in the total organization of behavior. It includes an overview of current theory and research regarding psychophysical events.

**PSYC 475 Research Methods Practicum (3)**

This course gives field work experience to advanced psychology majors. Senior standing is suggested along with completion of the majority of course work toward the major. The course provides intern placement in a professional setting. The aim is to provide an opportunity for the integration of knowledge, skills, and values as well as opportunities to assist the student in identifying personal and professional interests which will be of use in graduate and career decisions. *Prerequisites: PSYC 350 and PSYC 420*

**PSYC 480 Psychological Testing and Measurement (3)**

Students gain a thorough background in objective tests and measurements. A brief survey is offered in projective instruments. Terminology is developed, dangers and advantages of psychological instruments discussed, and each student required to administer and interpret a number of instruments. *The course is offered to juniors, seniors, and graduate students only.*

**PSYC 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**PSYC 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**PSYC 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, electronic media, or artistic creation of a material form. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*

# Department of Social Work

## Faculty

*Chair and Associate Professor: Sally Alonzo Bell, Ph.D., LCSW*

*Assistant Professors: Kimberly Battle-Walters, MSW, Ph.D.; Pamela Wilson, Ph.D., LISW*

*Lecturer: Mary Rawlings, MSW, LCSW*

## Department Overview

The Social Work Program at Azusa Pacific University prepares students through education and practical experience to help people enhance their well-being in the world by improving the relationships between people and their environments, through developing programs and policies which reflect the promotion of social and economic justice, and by supporting ongoing professional development and knowledge. Further, the Social Work Program seeks to prepare students by teaching generalist practice skills with diverse populations and social systems, in establishing an understanding of the unique needs of minority and oppressed populations, by developing a commitment to ongoing personal growth, and through developing values and ethics consistent with social work and the Christian faith.

## Social Work

### Introduction

The ability to live effectively in society is often hampered by problems that range from personal tensions to difficulties arising from social unrest within a group or community. These problems, aggravated by the growing complexity of society, have greatly increased the need for social services. Social workers assist individuals, families, small groups, and communities to improve their quality of life. The Department of Social Work has been nationally accredited since 1982 by the Council on Social Work

Education. The undergraduate program in professional social work has the following goals:

- To prepare students for beginning generalist professional social work practice with individuals, families, small groups, organizations, and communities, with diverse populations and in a variety of service systems.
- To prepare students to work effectively with clients of different ethnicity, racial and cultural backgrounds, and sexual orientation by developing a knowledge base that values diversity, is sensitive to the affects of oppression and discrimination, and promotes the advocacy for social justice.
- To assist students in developing an identification with the profession of social work, incorporating the values and ethics of the profession, and demonstrating Christian values throughout their practice.
- To provide knowledge, based in research and built on a liberal arts foundation, of individual behavior and social systems, allowing for the development of a contextual framework in which to understand the process of change and to impact change in these systems.
- To familiarize students with the framework of social welfare services in the United States, the impact of policy on individuals and service delivery, and how to analyze policy and advocate for social change.
- To equip students as beginning social work practitioners to evaluate research and begin to link research with social work practice.
- To prepare students for lifelong learning, critical thinking, ongoing self-evaluation, and advanced study.

## Admissions Policy

The Department of Social Work has an open policy for any student admitted to the university. Each student is interviewed to determine motivation and interest in social work practice and to explain the program. At this time, an academic calendar is developed with each student. Students are assured retention and progression in the Social Work Program unless there is demonstrated evidence of cause for dismissal.

Transfer students are interviewed to evaluate prior educational achievement in relation to the required content of the Social Work Program. A plan is developed with the student which serves as a guide for completion of the program.

## Career Opportunities

The majority of social workers provide social services directly to individuals, families, groups, organizations, and communities. However, a substantial number are executives, administrators, or supervisors. Others are college teachers, research workers, consultants, or private practitioners. Social workers can apply their training and experience in a variety of social-service settings such as family services, child welfare, corrections, adoptions, school social work, psychiatric and medical hospitals, probation, industry, drug and alcohol abuse centers, and city and society policy planning.

## Field Internship Program

During the senior year, social work majors complete a 400-hour field internship in one of several approved agencies in the community. This provides a setting for the development of practice skills in social work. Students are charged a minimal social work liability insurance fee. The field director will discuss the application process with students in their junior year.

## Requirements for the Social Work Major

65 units

A total of 65 units is required for the major. A minimum 2.0 grade-point average is required in all core courses.

### Specified General Studies Requirements

7 units

BIOL 101	Fundamentals of Biology*	4
SOC 120	Introduction to Sociology*	3

### Core Requirements

62 units

PSYC 110	General Psychology*	3
PSYC 350	Applied Statistics	3
SOC 230	Comparative Family Systems*	3
SOC 358	Human Diversity*	3
SOC 478	Methods of Social Research	3
SOC 479	Social Research Project*	3
SOCW 250	Introduction to Social Work	3
SOCW 251	Social Welfare Policy and Services	3
SOCW 310/311	Human Behavior and the Social Environment I, II	3,3
SOCW 332/310	Social Work Practice I, II	3,3
SOCW 350	Aging: Implication for Policy and Practice	3
SOCW 351	Child Welfare*	3
SOCW 360	Social Work Practice III (Groups)	3
SOCW 466/468	Field Internship I, II**	4-4
SOCW 467/469	Senior Seminar I, II	3-3
SOCW 496	Senior Seminar: Ethics in the Helping Professions*	3

### Social Work

#### Electives and Related Courses

select at least 3 units

COMP 120	Computer Literacy	3
GLBL 310	Intercultural Communication*	3
PSYC 360	Abnormal Psychology	3
PSYC 380	Psychology of Personality	3
PSYC 405	Psychology of Learning	3
PSYC 410	Psychology of Exceptional Children	3
PSYC 425	Social Psychology	3

PSYC 450	Counseling	3
SOC 225	Contemporary Social Problems	3
SOC 396	Field Placement in the Helping Services	4
SOC 455	Crime and Delinquency	3
SOCW 400	Grant and Proposal Writing	3
SOCW 410	Family Violence	3
SOCW 497	Readings in Social Work	1-4

\*Meets a general studies requirement.

\*\*Must list social work as primary major to enlist in these courses.

## Course Descriptions

### SOCW 250 Introduction to Social Work (3)

This course introduces students to the social work profession, examines the requirements for social work practice, and makes projections about the profession's future. Emphasis is on developing an awareness of the scope of the profession and exploring an interest in pursuing social work as a career.

### SOCW 251 Social Welfare Policy and Service (3)

Students examine policies and programs that have been developed to meet human needs in American society. Historical background, ideas, philosophies, and political climate are explored as they impact decision making. *Prerequisite: SOCW 250 or instructor's permission*

### SOCW 310 Human Behavior and the Social Environment I (3)

Human Behavior and the Social Environment (HBSE I) is a study from a systems perspective of how the interaction of cultural, biological, psychological, social, and environmental influences promote or deter the development of individuals, from birth to adolescence. Attention is given to the range of social systems in which persons live. The impact of social and economic forces, oppression, gender, and class on human adaptation are examined as they relate to client situations. *Prerequisite(s): BIOL 101 and SOC 120, or instructor's permission*

### SOCW 311 Human Behavior and the Social Environment II (3)

Human Behavior and the Social Environment (HBSE II) is a study from a systems perspective of how the interaction of cultural, biological, psychological, social, and environmental influences promote or deter the development of individuals, from young adulthood through old age and death. Attention is given to the range of social systems in which persons live. The impact of social and economic forces, oppression, gender, and class on human adaptation are examined as they relate to client situations. *Prerequisites: BIOL 101, SOC 120, and SOCW 310*

### SOCW 332 Social Work Practice I (3)

This is the first of a two-semester practice sequence. Social Work Practice I presents the basics of professional generalist social work practice as it has developed in response to changing human needs. Included are methods that may be used in direct practice with individuals, families, and groups within organizations and communities. Emphasis is on work with diverse human populations and the importance of evaluation in practice. The systems perspective is used as an integrating theme. *Prerequisites: SOCW 230, SOCW 250, SOCW 310, and SOCW 311 or instructor's permission*

### SOCW 333 Social Work Practice II with Communities (3)

Social Work Practice II presents the basics of professional generalist social work practice as it has developed in response to the needs of multiple member systems and communities. Included are methods of practice used to mobilize people to collective action to solve their own problems, to form ongoing organizations that enhance their power to meet their own needs, and to develop resources where none exists. Emphasis is on work with diverse human populations and the importance of evaluation in practice. The systems perspective is used as an integrating theme throughout. *Prerequisites: SOCW 250 and SOCW 352*

### SOCW 350 Aging: Implications for Policy and Practice (3)

This course offers an introduction to the study of aging, with attention given to current research, problems faced by the elderly, the

impact of an increasingly aged population on society, and the resulting implications for policy and social intervention. *Prerequisites: SOCW 250, SOCW 310, and SOCW 311*

### SOCW 351 Child Welfare (3)

Students explore programs and policies that have been developed to meet the needs of children and families. The ideas, philosophies, politics, and economics affecting these programs and policies are studied in terms of choices to be made in policy and social work practice. This course meets the requirements for junior-level writing. *Prerequisites: SOCW 250, and SOCW 251 or instructor's permission*

### SOCW 360 Social Work Practice III (Groups) (3)

This course introduces the student to the methods of group work within social work practice. The course reviews types of groups, how to establish a group, the phases of group development, and common group dynamics. In addition, students gain understanding of their role as leader and facilitator and, through concrete experiential exercises, learn beginning skills and techniques to effectively function in this role. Applying ethnic sensitive practice to the group situation is also explored. *Prerequisites: SOCW 250 and SOCW 332*

### SOCW 400 Grant and Proposal Writing (3)

Grant and proposal development continue to be an activity in the operations of human service agencies. Agencies must assess the need for services, determine their priorities, and develop strategies for funding their programs. Today, grants and proposals serve as primary means by which many agencies receive resources. This course is aimed at creating an understanding of the process and tools needed for translating a desire to respond to human need and problems into a realistic plan of action. It acquaints students with program design and planning techniques, which consider client/consumer group characteristics. The course culminates in the student's development of a human service program proposal aimed at responding to a need or problem. *Prerequisite: junior or senior standing, or instructor's permission*

**SOCW 410 Family Violence (3)**

Family violence is an in-depth study from a system's perspective of violence that occurs in families. This course provides an overview of child abuse, spousal abuse, abuse between intimate partners, and elder abuse. The course explores the theory and research as to the causes of abuse, including individual and family factors, gender issues, community and societal influences as well as cultural factors. This course explores the policy and programs developed to deal with these crises. Finally, methods of assessment and intervention are investigated as applicable to both professional and personal situations.

*Prerequisite: junior-standing or instructor's permission*

**SOCW 466 Field Internship I (4)**

This social work practicum provides a setting for the development of practice skills and an opportunity for the integration of knowledge, skills, and values in social work. Students complete a minimum of 400 hours in an approved agency. *Prerequisites: senior standing and registration with the social work field coordinator; corequisite: SOCW 467*

**SOCW 467 Senior Practicum Seminar I (3)**

Students share learning from the field study, conduct research, or study readings in a specialized area of practice. *Prerequisite: instructor's permission; corequisite: SOCW 466*

**SOCW 468 Field Internship II (4)**

This social work practicum provides a setting for the development of practice skills and an opportunity for the integration of knowledge,

skills, and values in social work. Students complete a minimum of 400 hours in an approved agency. *Prerequisites: senior standing and registration with the social work field coordinator; corequisite: SOCW 469*

**SOCW 469 Senior Practicum Seminar II (3)**

Students share learning from the field study, conduct research, or study readings in a specialized area of practice. *Prerequisite: instructor's permission; corequisite: SOCW 468*

**SOCW 496 Senior Seminar: Ethics in the Helping Professions (3)**

This course facilitates the integration of Christian faith and values with careers in the helping profession. This is accomplished through examining religious and spiritual experiences, as well as ethical dilemmas often confronted by social workers, nurses, counselors, and others in the helping profession, as they exist within the context of one's cultural, social, and physical environment. Attention is given to the process of faith development, historical perspectives, and the diversity of spiritual experiences.

*Prerequisites: senior standing; completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

**SOCW 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussion, and writing arranged between and designed by a student of upper-division standing and a full-time professor.



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## School of Music

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Church Music	223
Music Education	224
Music Theory	224

# School of Music

## Faculty

Dean: Duane Funderburk, DMA

Professor: Robert Sage, DMA

Associate Professors: Sharon Bode, M.A.; Donavon Gray, DMA; Marvin McKissick, M.M.; Donald Neufeld, M.A.; Dennis Royse, Ph.D.; Philip Shackleton, M.M.

Assistant Professors: Glenn Austin, M.A.; Rod Cathey, M.A.; Alvin Clift, M.A.; Ruth Meints, M.M.; Brenda Reinebach, M.A.

Instructor: William Boocock, M.A.

## School Overview

Azusa Pacific University offers a Bachelor of Arts in Music with emphases in Performance, Music Education, Theory, and Church Music; a Master of Arts in Performance; and a Master of Music Education. The School of Music continually refines and upgrades its program. The pursuit of excellence in the classroom and performance draws, sharpens, blends, and matures the talents of each student.

Prospective music majors are required to take placement examinations in their performance areas and music theory. The theory examinations include key and meter signatures, major and minor scales, and intervals. Those who are deficient in theory are required to take MUS 120 Music Fundamentals before proceeding with first-year theory.

Each student must pass a piano proficiency examination or enroll in a piano class until the requirement is met. This requirement is normally met at the satisfactory conclusion of MUS 108 Piano Class. Each student enrolled in applied music must take an examination at the end of each semester. The examination at the end of MUS 212 Applied Music is a qualifying exam for placement in upper-division applied music. A final ear training/sight singing examination is administered at the end of Music Theory II. Students who do not attain a passing score must take an equivalent

course until they are able to pass the exam. Placement auditions are held for all performance areas.

## Music

### Career Opportunities

There is a demand for teachers who possess music skills in elementary and secondary schools in both public and private sectors. There are many positions in the field of church music for ministers of music and accompanists. The performance emphasis serves the needs of those students who wish to teach privately or consider a career as a full-time performer. The music theory emphasis gives a foundation to those seeking a career in music writing and arranging. Other opportunities exist in the music industry and many Azusa Pacific graduates are fulfilling their collegiate ambitions there.

### Requirements for the Music Major

Core Courses		57-68 units
		47 units
MUS 101	Voice Class	1
— or —		
MUS 102	Voice Class (if not enrolled in private voice)	1
MUS 121*/122	Music Theory I	4,4
MUS 170	Oratorio Choir (each semester, 1/2 unit)	4
MUS 221/222	Music Theory II	4,4
MUS 296	Introduction to Music Technology	2
MUS 351	Ancient, Renaissance, and World Music Literature*	3
MUS 352	Baroque, Classical, and Early Romantic Music Literature*	3
MUS 361	Conducting I	2
MUS 362	Conducting II	2

MUS 455	Late Romantic and 20 <sup>th</sup> Century Music Literature*	3
MUS 441	Music in Worship	3
Applied Music (each semester, 1 unit)		8

\*Meets a general studies requirement.

In addition, the student must choose at least one emphasis from the following. (Two or three are allowed.) Each emphasis includes a minimum of 10 units from the listed courses. A minimum 2.5 GPA must be maintained in all upper-division music courses.

Music majors must pass the piano proficiency examination or take MUS 103-108 Piano Class until the examination is passed.

Each student must pass the ear training/sight singing examination at the end of Music Theory II or take a remedial course until the examination can be passed.

Each student appears yearly in a recital. All students will take an applied jury each semester. Music majors with an emphasis in applied music present a recital during their senior year. It is traditional that a shorter recital be presented during the junior year.

Music majors are required to attend 14 School of Music sponsored, on-campus recitals and concerts per year.

### Applied Music Emphasis (Performance)

10-unit minimum	
Additional units of private lessons	8
Senior Recital	N/C
Pedagogy	2

### Church Music Emphasis

10-unit minimum		
MUS 339	Hymnology	2
MUS 442	Church Music Administration	2
MUS 444	Seminar in Church Music	2

MUS 445	Service Playing*	2
MUS 446	Issues in Church Music	2
MUS 447	Church Music Internship	2
<b>Education Emphasis</b>		
<b>12-unit minimum</b>		
MUS 331	String Instrument Techniques	1
MUS 332	Woodwind Instrument Techniques	1
MUS 333	Brass Instrument Techniques	1
MUS 334	Percussion/Guitar Instrument Techniques	1
MUS 423	Orchestration	3
MUS 431	Music in the Schools	2
MUS 433	Music Methods for Elementary/Secondary Schools	3

**Theory Emphasis****10-unit minimum**

MUS 321	Counterpoint	3
MUS 421	Interpretive Arranging*	2
MUS 422	Music Composition*	2
MUS 423	Orchestration	3
MUS 424	Projects in Music Theory*	2
MUS 427	Form and Analysis*	2

\* Elective courses

**Requirements for the Music Minor****36-44 units**

Prospective music minors are required to meet all placement and proficiency examinations as required for the major. The theory examinations include key and meter signatures, major and minor scales, and intervals. Those who are deficient in theory are required to take MUS 120 Music Fundamentals before proceeding with first-year theory. Students with a keyboard deficiency must enroll in piano class or take private lessons until the piano proficiency exam is passed. The piano proficiency examination is modified for the minor. Placement auditions are held for all performance areas.

**Course Requirements 36 units**

MUS 121*/122	Music Theory I	4,4
MUS 170	Oratorio Choir (each semester, 1/2 unit)	4
MUS 221/222	Music Theory II	4,4
MUS 250	Music and Civilization	3
MUS 361	Conducting I	2
Applied Music (see Instrumental or Voice)		5
MUS 441	Music in Worship	3
One of the following:		
MUS 351	Ancient, Renaissance, and World Music Literature*	3
MUS 352	Baroque, Classical, and Early Romantic Music Literature*	3
MUS 455	Late Romantic and 20 <sup>th</sup> Century Music Literature*	3

Note: Music minors are required to attend seven School of Music-sponsored, on-campus recitals and concerts per year.

\*Meets a general studies requirement.

**Course Descriptions****Applied Music: Instrumental and Vocal****MUS 100 Preparatory Organ (1-3)**

This course is for the student who requires additional study to reach the college level of performance. This course does not meet the curriculum requirements for music major or minor.

**MUS 101 Voice Class (1)**

Students learn the basic principles of effective singing and performing in a group setting. By actively participating in warm-up exercises, carefully observing other performers, and taking advantage of solo opportunities, students learn how to sing with greater freedom, power, and resonance. A study of vocal literature is also included. This course may be repeated for credit.

**MUS 102 Voice Class (1)**

This is a continuation of MUS 102. *Prerequisite:* MUS 101

**MUS 103 Beginning Piano Class (3)**

This course offers an introductory study of the piano keyboard, including keyboard harmony, piano technique, transposition, sight-reading, improvisation, and ensemble playing.

**MUS 104 Elementary Piano Class (1)**

This course continues the study of the piano keyboard, including keyboard harmony, piano technique, transposition, sight-reading, improvisation, and ensemble playing. *Prerequisite:* MUS 103 or by audition

**MUS 105 Intermediate Piano Class (1)**

Students receive a functional study of the piano keyboard, including keyboard harmony, piano technique, transposition, sight-reading, improvisation, and ensemble playing. *Prerequisite:* MUS 104 or by audition

**MUS 106 Advanced-Intermediate Piano Class (1)**

This is a continued study of the piano keyboard, including keyboard harmony, piano technique, transposition, sight-reading, improvisation, and ensemble playing. *Prerequisite:* MUS 105 or by audition

**MUS 107 Advanced-Intermediate Piano Class (1)**

This is a continued study of the piano keyboard, including keyboard harmony, piano technique, transposition, sight-reading, improvisation, and ensemble playing. *Prerequisite:* MUS 106 or by audition

**MUS 108 Advanced Piano Class (1)**

This is a continued study of the piano keyboard, including keyboard harmony, piano technique, transposition, sight-reading, improvisation, and ensemble playing. *Prerequisites:* MUS 106/107 or by audition

**MUS 111 Voice (1)**

Studies in breath control and correct emission of the voice are offered, including vocalization and vocal literature as may be deemed helpful to the student.

**MUS 112 Voice (1)**

This is a continuation of MUS 111. *Prerequisite:* MUS 111

**MUS 113 Piano (1)**

Major and minor scales and corresponding arpeggios in four octaves at moderate tempo are studied. Exercises such as Hanon's, Bach Inventions, earlier sonatas by Viennese classicists, Chopin Preludes, and comparable works from Romantic and 20<sup>th</sup> century composers are included. *Entrance is gained by audition only.*

**MUS 114 Piano (1)**

This is a continuation of MUS 113. *Prerequisite:* MUS 113

**MUS 115 Organ (1)**

This course provides technical studies of Gleason; simple compositions of the Renaissance and Baroque periods; Bach, easier preludes and fugues; and chorales from the Orgelbuchlein. *Prerequisites:* piano background of Bach, two-part inventions, and easier Mozart and Beethoven sonatas

**MUS 116 Organ (1)**

This is a continuation of MUS 116. *Prerequisite:* MUS 115

**MUS 120 Music Fundamentals (3)**

Music symbols, rhythm, sight-singing, and notation are introduced. This refresher course may be required for prospective music majors and minors and ensemble members at the discretion of the School of Music. No music credit is given to music majors or minors who take this course. *Meets general studies core requirement for Aesthetics and the Creative Arts.*

**MUS 121 Music Theory I (4)**

Students study scales, modes, melody, phrase, cadence, intervals, simple two-part counterpoint, primary and secondary chords, and inversions. The course includes ear training, simple keyboard harmony, and four-part writing. *This course meets the general studies core requirement in Aesthetics and the Creative Arts.*

**MUS 122 Music Theory I (4)**

This is a continuation of MUS 121. *Prerequisite:* MUS 121 or instructor's permission

**MUS 130 Jubilant Song Ladies' Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 131 Jubilant Song Ladies' Choir (1)**

This is a continuation of MUS 130.

**MUS 140 University Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 141 University Choir (1)**

This is a continuation of MUS 140.

**MUS 142 Concert Band (1)**

As part of APU's Concert Band, students gain instrumental experience through rehearsal and public performance. *The ensemble is open to qualified students by audition. A minimum GPA of 2.0 is required.*

**MUS 143 Concert Band (1)**

This is a continuation of MUS 142.

**MUS 144 Bel Canto Ladies' Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 145 Bel Canto Ladies' Choir (1)**

This is a continuation of MUS 144.

**MUS 151 Chamber Ensemble—Strings (1)**

Formed and rehearsed under faculty guidance, the ensemble performs at various times throughout the semester. This elective course provides small group experience for the music student. *A minimum GPA of 2.0 is required.*

**MUS 152 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 151.

**MUS 153 Chamber Ensemble—Brass (1)**

Formed and rehearsed under faculty guidance, the ensemble performs at various times throughout the semester. This elective course provides small group experience for the music student. *A minimum GPA of 2.0 is required.*

**MUS 154 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 153.

**MUS 155 Chamber Ensemble—Woodwind (1)**

Formed and rehearsed under faculty guidance, the ensemble performs at various times throughout the semester. This elective course provides small group experience for the music student. *A minimum GPA of 2.0 is required.*

**MUS 156 Chamber Ensemble—Woodwind (1)**

This is a continuation of MUS 155.

**MUS 157 Chamber Ensemble—Percussion (1)**

Formed and rehearsed under faculty guidance, the ensemble performs at various times throughout the semester. This elective course provides small group experience for the music student. *A minimum GPA of 2.0 is required.*

**MUS 158 Chamber Ensemble—Percussion (1)**

This is a continuation of MUS 157.

**MUS 170 Oratorio Choir (1)**

This choir is composed of all music majors and minors. A public performance of major choral works is given each semester.

**MUS 172 Recorder Lab (1)**

Music of the Renaissance and Baroque periods is performed on ancient instruments including recorders, krumm horns, gambas, sackbuts, and natural trumpet.

**MUS 173 Male Chorale (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 174 Male Chorale (1)**

This is a continuation of MUS 173.

**MUS 180 Handbell Choir (1)**

Handbells provide an opportunity for students to expand and refine their musical skills. Through traditional and contemporary music, students are exposed to an array of different styles of music. Performances are scheduled throughout the year. *A minimum GPA of 2.0 is required.*

**MUS 181 Handbell Choir (1)**

This is a continuation of MUS 180.

**MUS 182 Jazz Ensemble (1)**

Jazz Ensemble gives musicians practical experience through rehearsal and performance. It is open to qualified students by audition or instructor's consent. *A minimum GPA of 2.0 is required.*

**MUS 183 Jazz Ensemble (1)**

This is a continuation of MUS 182.

**MUS 187 Wind Ensemble (1)**

As part of APU's Wind Ensemble, students gain instrumental experience through rehearsal and public performance, including a yearly tour. The ensemble is open to qualified students by audition or instructor's consent. *A minimum GPA of 2.0 is required.*

**MUS 188 Wind Ensemble (1)**

This is a continuation of MUS 187.

**MUS 191 Jazz Combo/Improvisation (1)**

This course provides an opportunity to improve improvisational skills as well as small ensemble work. Instrumentation includes a rhythm section and wind instruments. *Admission is gained by audition only.*

**MUS 192 Jazz Combo/Improvisation (1)**

This is a continuation of MUS 191.

**MUS 210 Recital (0)**

This course will provide opportunities for students to perform and attend performances of music in a recital setting.

**MUS 211 Voice (1)**

This course provides continued studies in emission with vocalizations from Vccal, Marchesi, Siefer, and others. Vocal literature within the student's ability is studied. *Prerequisites: MUS 111 and MUS 112*

**MUS 212 Voice (1)**

This is a continuation of MUS 211. *Prerequisites: MUS 111 and MUS 112*

**MUS 213 Piano (1)**

Scales and arpeggios at rapid tempo are studied. Exercises such as Czerny's, Bach Sinfonias, intermediate sonatas by Viennese classicists, Chopin Nocturnes, and comparable works from 19<sup>th</sup> and 20<sup>th</sup> century composers are stressed. The course offers preparation for upper-division qualifying examination. *Prerequisite: MUS 114*

**MUS 214 Piano (1)**

This is a continuation of MUS 213. *Prerequisite: MUS 213*

**MUS 215 Organ (1)**

This course offers continued technical studies, Bach chorale, preludes and fugues, compositions of romantic and contemporary periods, and hymn playing for congregational singing. *Prerequisite: MUS 115, MUS 116, or equivalent*

**MUS 216 Organ (1)**

This is a continuation of MUS 215. *Prerequisite: MUS 21 or equivalent*

**MUS 221 Music Theory II (4)**

Renaissance and Baroque compositional techniques, modulation, chromatic harmony, classical formal structures, and exercises in analysis are studied. *Prerequisite: MUS 122*

**MUS 222 Music Theory II (4)**

Chromatic nonharmonic tones, chromatically altered chords, harmonic texture, 9<sup>th</sup>, 11<sup>th</sup>, and 13<sup>th</sup> chords, modal harmony, and exercises in analysis are studied. *Prerequisite: MUS 221*

**MUS 224 Diction for Singers A, B (1)**

Students study the principles for the correct pronunciation of the English, Italian, French, German, and other essential languages. *Prerequisite: sophomore standing or instructor's permission*

**MUS 225 Madrigal Singers (1)**

*Entrance is gained by audition only.* Students have the opportunity to participate in an ensemble that performs a capella chamber music from various time periods beginning with the Renaissance. Music majors may enroll in this course for a maximum of two semesters and will receive oratorio credit for those semesters.

**MUS 230 Jubilant Song Ladies' Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 231 Jubilant Song Ladies' Choir (1)**

This is a continuation of MUS 230.

**MUS 242 University Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 243 University Choir (1)**

This is a continuation of MUS 242.

**MUS 244 Concert Band (1)**

This is a continuation of MUS 143.

**MUS 245 Concert Band (1)**

This is a continuation of MUS 244.

**MUS 246 Bel Canto Ladies' Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 247 Bel Canto Ladies' Choir (1)**

This is a continuation of MUS 246.

**MUS 250 Music and Civilization (3)**

This course is designed for nonmusic majors and promotes intelligent listening to music of all historical periods. Composers and their music are



studied in relation to historical developments of their times. Students are also introduced to elements of music including orchestral instruments. *Meets general studies core requirement for Aesthetics and the Creative Arts.*

**MUS 251 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 152.

**MUS 252 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 251.

**MUS 253 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 154.

**MUS 254 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 253.

**MUS 255 Chamber Ensemble—Woodwind (1)**

This is a continuation of MUS 156.

**MUS 256 Chamber Ensemble—Woodwind (1)**

This is a continuation of MUS 255.

**MUS 257 Chamber Ensemble—Percussion (1)**

This is a continuation of MUS 158.

**MUS 258 Chamber Ensemble—Percussion (1)**

This is a continuation of MUS 257.

**MUS 271 Orchestra (1)**

The Orchestra gives musicians practical ensemble experience through rehearsal and public performance. The scope of the literature used is determined by the technical proficiency of the class. The class is also open to the public by audition.

**MUS 272 Orchestra (1)**

This is a continuation of MUS 271.

**MUS 275 Male Chorale (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 276 Male Chorale (1)**

This is a continuation of MUS 275.

**MUS 282 Handbell Choir (1)**

Handbells provide an opportunity for students to expand and refine their musical skills. Through traditional and contemporary music, students are exposed to an array of different styles of music. Performances are scheduled throughout the year. *A minimum GPA of 2.0 is required.*

**MUS 283 Handbell Choir (1)**

This is a continuation of MUS 282.

**MUS 284 Jazz Ensemble (1)**

Jazz Ensemble gives musicians practical experience through rehearsal and performance. It is open to qualified students by audition or instructor's consent. *A minimum GPA of 2.0 is required.*

**MUS 285 Music Theater: Minor Roles and Chorus (1)**

Admission to this class is determined by the director. Students study, prepare, and publicly perform entire Broadway musicals or selected portions and receive coaching in the dramatic and musical aspects of performance.

**MUS 286 Jazz Ensemble (1)**

This is a continuation of MUS 284.

**MUS 289 Wind Ensemble (1)**

As part of APU's Symphonic Band, students gain instrumental experience through rehearsal and public performance, including a yearly tour. The ensemble is open to qualified students by audition or instructor's consent. *A minimum GPA of 2.0 is required.*

**MUS 290 Wind Ensemble (1)**

This is a continuation of MUS 289.

**MUS 292 Jazz Combo/Improvisation (1)**

This course provides an opportunity to improve improvisational skills as well as small ensemble work. Instrumentation includes a rhythm section and wind instruments. *Admission is gained by audition only.*

**MUS 294 Jazz Combo/Improvisation (1)**

This is a continuation of MUS 292.

**MUS 296 Introduction to Music Technology (2)**

In this course, students study analog and digital electronic sound synthesis; theory of synthesizer operation; programming new sounds; computer applications, including sequencing, patch librarians, and programming aids; and Musical Instrument Digital Interface (MIDI) and its applications; drum machines; and sampling sound synthesis. *Prerequisite: instructor's permission*

**MUS 311 Voice (1)**

Students study phrasing, style, and interpretation of vocal literature from the classic through romantic periods, including the song literature

of the Church. Selected arias from oratorio and opera are examined. *Prerequisite: MUS 212*

**MUS 312 Voice (1)**

This is a continuation of MUS 311. *Prerequisite: MUS 212*

**MUS 313 Piano (1)**

Students study scales in 3rds, 6ths, and 10ths, contrary motion, and the corresponding arpeggios. Exercises such as Cortot's, Bach's Well-Tempered Clavier, easier Etudes of Chopin, romantic Beethoven Sonatas, and other works of comparable difficulty are explored. The course prepares piano performance majors for their junior recitals. *Prerequisite: upper-division qualifying examination or by audition*

**MUS 314 Piano (1)**

This is a continuation of MUS 313. The course prepares piano performance majors for their junior recitals. *Prerequisite: upper-division qualifying examination or by audition*

**MUS 315 Organ (1)**

This course offers a study of works of all periods and preparation for the student's junior recital.

**MUS 316 Organ (1)**

This is a continuation of MUS 315.

**MUS 320 Keyboard Improvisation (2)**

Students study the practical applications of music theory to keyboard playing including playing from chord charts and "by ear," improvisation of solos and accompaniments, and making appropriate changes to published piano parts. Melody harmonization in various styles are examined, as well as elements of jazz, pop, and gospel keyboard styles. Primary emphasis is placed on voicing chords idiomatically, rhythmic "feels," and melodic styles.

**MUS 321 Counterpoint (3)**

Strict counterpoint in two, three, and four parts in all species is studied; an introduction to free counterpoint is also provided. *Prerequisite: MUS 222*

**MUS 325 Madrigal Singers (1)**

This is a continuation of MUS 225.

**MUS 329 Keyboard Improvisation (2)**

The practical applications of music theory to keyboard playing, including playing from chord charts and "by ear," improvisation of solos and

accompaniments, and making appropriate changes to published piano parts, are covered in detail. Melodic harmonization in various styles; elements of jazz, pop, and gospel keyboard; voicing chords idiomatically; and rhythmic "feels" are explored.

**MUS 331 String Instrument Techniques (1)**

The curriculum offers elementary instruction in the stringed instruments. Careful consideration is given to tone production, bowing, technique, study materials, care of instruments, and teaching procedures. *Open to junior and senior music education majors only.*

**MUS 332 Woodwind Instrument Techniques (1)**

This course provides elementary instruction in the woodwind instruments. Careful consideration is given to tone production, technique, care of instruments, study materials, and teaching procedures. *Open to junior and senior music education majors only.*

**MUS 333 Brass Instrument Techniques (1)**

Students receive elementary instruction in the brass instruments. Careful consideration is given to tone production, technique, care of instruments, study materials, and teaching procedures. *Open to junior and senior music education majors only.*

**MUS 334 Percussion Instrument Techniques (1)**

This course provides elementary instruction in the percussion instruments. Careful consideration is given to technique, care of instruments, study materials, and teaching procedures. *Open to junior and senior music education majors only.*

**MUS 335 Jubilant Song Ladies' Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 336 Jubilant Song Ladies' Choir (1)**

This is a continuation of MUS 335.

**MUS 339 Hymnology (2)**

The great Christian hymns and hymn tunes are studied in their historical settings. Analysis and interpretation of hymns are offered. Standard hymnals are evaluated.

**MUS 340 University Choir (1)**

Entrance is gained by audition only. Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. A minimum GPA of 2.0 is required.

**MUS 341 University Choir (1)**

This is a continuation of MUS 240.

**MUS 342 Concert Band (1)**

This is a continuation of MUS 245.

**MUS 343 Concert Band (1)**

This is a continuation of MUS 342.

**MUS 344 Bel Canto Ladies' Choir (1)**

Entrance is gained by audition only. Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. A minimum GPA of 2.0 is required.

**MUS 345 Bel Canto Ladies' Choir (1)**

This is a continuation of MUS 344.

**MUS 351 Ancient, Renaissance, and World Music Literature (3)**

This course provides a historical and stylistic study of the repertoire of serious Western music from ancient Greece through the Renaissance, plus other music of people and cultures from around the world. The course includes lectures,

reading, listening, reports, and analysis. Meets general studies requirement in Aesthetics and the Creative Arts.

**MUS 352 Baroque, Classical, and Early Romantic Music Literature (3)**

Course content provides a continuation of MUS 351 with emphasis upon the baroque, classical, and early romantic periods. Meets general studies elective requirement in Aesthetics and the Creative Arts and upper-division writing intensive course requirement.

**MUS 353 Concert Music (1)**

Students are guided through listening by attending concerts.

**MUS 355 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 252.

**MUS 356 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 355.

**MUS 357 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 254.

**MUS 358 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 357.

**MUS 359 Chamber Ensemble—Woodwind (1)**

This is a continuation of MUS 256.

**MUS 360 Chamber Ensemble—Woodwind (1)**

This is a continuation of MUS 359.

**MUS 361 Conducting I (2)**

Students receive instruction and drills in basic conducting skills, principles of interpretation, and rehearsal techniques for both choral and instrumental music. Prerequisites: MUS 221 and MUS 222

**MUS 362 Conducting II (2)**

This course is a continuation of MUS 361. The principles, techniques, and methods of conducting orchestral and band groups, using standard instrumental literature, are covered. Laboratory experience in conducting instrumental groups is included. Prerequisite: MUS 361

**MUS 363 Instrumental Conducting (2)**

The principles, techniques, and methods of conducting orchestral and band groups, using standard instrumental literature, are covered.

**MUS 365 Chamber Ensemble—Percussion (1)**

This is a continuation of MUS 258.

**MUS 366 Chamber Ensemble—Percussion (1)**

This is a continuation of MUS 365.

**MUS 371 Orchestra (1)**

This is a continuation of MUS 271.

**MUS 372 Orchestra (1)**

This is a continuation of MUS 371.

**MUS 373 Male Chorale (1)**

Entrance is gained by audition only. Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. A minimum GPA of 2.0 is required.

**MUS 374 Male Chorale (1)**

This is a continuation of MUS 373.

**MUS 381 Handbell Choir (1)**

Handbells provide an opportunity for students to expand and refine their musical skills. Through traditional and contemporary music, students are exposed to an array of different styles of music. Performances are scheduled throughout the year. A minimum GPA of 2.0 is required.

**MUS 382 Jazz Ensemble (1)**

Jazz Ensemble gives musicians practical experience through rehearsal and performance. It is open to qualified students by audition or instructor's consent. A minimum GPA of 2.0 is required.

**MUS 383 Jazz Ensemble (1)**

This is a continuation of MUS 382.

**MUS 384 Handbell Choir (1)**

This is a continuation of MUS 381.

**MUS 387 Wind Ensemble (1)**

As part of APU's Wind Ensemble, students gain instrumental experience through rehearsal and public performance, including a yearly tour. The ensemble is open to qualified students by audition or instructor's consent. A minimum GPA of 2.0 is required.

**MUS 388 Wind Ensemble (1)**

This is a continuation of MUS 387.

**MUS 391 Jazz Combo/Improvisation (1)**

This course provides an opportunity to improve improvisational skills as well as small ensemble work. Instrumentation includes a rhythm section and wind instruments. Admission is gained by audition only.

**MUS 392 Jazz Combo/Improvisation (1)**

This is a continuation of MUS 391.

**MUS 409 Jubilant Song Ladies' Choir (1)**

Entrance is gained by audition only. Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. A minimum GPA of 2.0 is required.

**MUS 410 Jubilant Song Ladies' Choir (1)**

This is a continuation of MUS 409.

**MUS 411 Voice (1)**

This course offers continued studies in phrasing and interpretation. Emphasis is on repertoire, both sacred and secular, and platform presentation. Prerequisites: MUS 311 and MUS 312

**MUS 412 Voice (1)**

This course offers continued studies in phrasing and interpretation. Emphasis is on repertoire, both sacred and secular, and platform presentation. Note: Appearances in recitals comprising literature from the above mentioned may be required at the discretion of the instructor. This may be in addition to the senior recital for the voice major. Prerequisites: MUS 311 and MUS 312

**MUS 413 Piano (1)**

This is a continuation of MUS 412. Prerequisite: MUS 412

**MUS 414 Piano (1)**

Virtuoso studies such as Chopin's or Liszt's are examined, and advanced compositions by Bach, Beethoven, Romantic, and 20<sup>th</sup> century composers are explored. A study of selected concerti is offered. This course prepares piano performance majors for their senior recitals.

*Prerequisite:* MUS 413

**MUS 415 Organ (1)**

This course offers advanced study of major works of all periods and intense preparation for the student's senior recital.

**MUS 416 Organ (1)**

This is a continuation of MUS 415.

**MUS 421 Interpretive Arranging (2)**

Students learn the technique of arranging and adapting song materials for vocal and instrumental ensembles of various sizes and composition. *Prerequisite:* MUS 222

**MUS 422 Music Composition (2)**

The stylistic techniques of major composers are reviewed. A major thrust of the class is the presentation of students' compositions.

*Prerequisite:* MUS 222

**MUS 423 Orchestration (3)**

This course provides an introduction to orchestral and symphonic wind ensemble instruments. Scoring exercises for full ensembles and smaller combinations are emphasized.

**MUS 424 Projects in Music Theory (2)**

Personalized arranging, composition, and analytical projects are assigned according to the interest and capabilities of the student. *Prerequisites:* MUS 221, MUS 222, and instructor's permission

**MUS 425 Collegium (1)**

The course emphasizes rehearsal and performance of small chamber music, especially pre-19<sup>th</sup> century music. *The course is open to students with instructor's permission only.*

**MUS 426 Collegium (1)**

This is a continuation of MUS 425.

**MUS 427 Form and Analysis (2)**

The forms of music from the 18<sup>th</sup> century to the present are covered. An analysis of both large and small forms is included. *Prerequisite:* MUS 222

**MUS 431 Music in the Schools (2)**

Designed for the prospective public school music specialist, the course consists of a study of the objectives, scope, and content of the public school's entire music program. Specific attention is given to music development through choral and instrumental ensembles and specialized music classes for K-12.

**MUS 432 Music in the Elementary School (3)**

Designed for the prospective elementary school teacher, the course consists of the objectives, scope, and content of the elementary school music program as described in the Visual and Performing Arts Framework for California Public School (1989). Active participation in the skills of music and movement are required in order to understand the components and concepts in these performing arts. Students study various piano teaching methods and materials. The course includes supervised practice teaching and opportunities for observation of teaching professionals.

**MUS 433 Music Methods for the Elementary and Secondary Schools (3)**

Offers a sequential presentation of methods and materials available for the prospective music teacher of the spectrum of K-12. Widely accepted approaches and philosophies are discussed including Dalcrose, Kodaly, Orff-Schuwerk, Yamaha, and Susuki. Students engage in guided observation and practice teaching.

**MUS 434 Piano Pedagogy (2)**

Students study various piano teaching methods and materials. The course includes supervised practice teaching and opportunities for observation of the professor. *Prerequisite:* MUS 313 or instructor's consent

**MUS 435 University Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 436 University Choir (1)**

This is a continuation of MUS 435.

**MUS 437 Bel Canto Ladies' Choir (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 438 Bel Canto Ladies' Choir (1)**

This is a continuation of MUS 437.

**MUS 440 Instrumental Pedagogy (2)**

Students study the methods and materials used in teaching brass, woodwind, string, or percussion instruments. The area of emphasis is determined by the student's specialization.

**MUS 441 Music in Worship (3)**

Students survey the history and practice of the use of music in worship services. Emphasis is given to the development of both liturgical and nonliturgical forms of worship. Students are involved in learning effective worship planning as they study the role of the minister, director of music, and organist.

**MUS 442 Church Music Administration (2)**

Students explore the process of developing the music program of the local church and the relationship of the minister of music to the congregation, music committee, and pastor. A graded choir program, equipment, and general organization are examined.

**MUS 443 Vocal Pedagogy (2)**

This course covers the study of teaching methods and practices in voice, detailed study of the vocal instrument, and sessions working one-on-one with a beginning voice student.

**MUS 444 Seminar in Church Music (2)**

This course is a research seminar dealing with contemporary problems in church music. An in-depth investigation of specific church music programs and supervised student assignments involving leadership in the music program of local churches is offered.

**MUS 445 Service Playing (2)**

This course shows the church musician how to handle the keyboard instruments in various church situations, including weddings, funerals, communions, and aspects of traditional services.

**MUS 446 Issues in Church Music (2)**

This course provides an analysis of current issues in church music and acquaints students with contemporary worship practices. The curriculum aids students in the evaluation of today's issues from an historical perspective.

**MUS 447 Church Music Internship (2)**

Students who desire experience in a church music program should take this practicum. Under close faculty supervision, students are

assigned specific leadership responsibilities in local churches' music programs.

**MUS 449 Concert Band (1)**

This is a continuation of MUS 343.

**MUS 450 Concert Band (1)**

This is a continuation of MUS 449.

**MUS 452 Symphonic Music (3)**

Designed as a study of the development of symphonic or orchestral music, the course covers the 18<sup>th</sup> century to the present.

**MUS 453 American Music (3)**

Students study the development of American music from early psalmody to contemporary expressions. Music on the frontier, and in urban culture, American education, and the Church is explored. A survey of the music of prominent American composers from William Billings to John Cage is included. *The course is open to nonmusic majors with the instructor's consent.*

**MUS 455 Late Romantic and 20<sup>th</sup> Century Music Literature (3)**

Course content provides a continuation of MUS 352 with emphasis upon the late romantic and 20<sup>th</sup> century periods. American music and implications of recent developments, including computer and experimental music, are also included. *Meets the general studies requirement elective in Aesthetics and the Creative Arts.*

**MUS 456 Choral Literature (2)**

Students survey choral compositions from the Renaissance to the present. The course emphasizes the representative works from each of the major historical periods.

**MUS 457 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 356.

**MUS 458 Chamber Ensemble—Strings (1)**

This is a continuation of MUS 457.

**MUS 459 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 358.

**MUS 460 Chamber Ensemble—Brass (1)**

This is a continuation of MUS 459.

**MUS 462 Seminar in Conducting (2)**

Students study special problems in conducting, conduct choral and instrumental ensembles, observe rehearsals and performances under a master conductor, and research the historical aspects of conducting. *Prerequisites:* MUS 361 and MUS 362

**MUS 464 Chamber Ensemble–Woodwind (1)**

This is a continuation of MUS 360.

**MUS 465 Chamber Ensemble–Woodwind (1)**

This is a continuation of MUS 464.

**MUS 466 Audio and Acoustics (3)**

This survey course is geared toward students who seek acquaintance with basic concepts of acoustical conditions, electronics, sound systems, and recording techniques.

**MUS 469 Chamber Ensemble–Percussion (1)**

This is a continuation of MUS 366.

**MUS 470 Chamber Ensemble–Percussion (1)**

This is a continuation of MUS 469.

**MUS 475 Male Chorale (1)**

*Entrance is gained by audition only.* Students perform sacred classics, hymn arrangements, spirituals, and contemporary Christian music. *A minimum GPA of 2.0 is required.*

**MUS 476 Male Chorale (1)**

This is a continuation of MUS 475.

**MUS 483 Handbell Choir (1)**

Handbells provide an opportunity for students to expand and refine their musical skills. Through traditional and contemporary music, students are exposed to an array of different styles of music. Performances are scheduled throughout the year. *A minimum GPA of 2.0 is required.*

**MUS 484 Jazz Ensemble (1)**

Jazz Ensemble gives musicians practical experience through rehearsal and performance. It is open to qualified students by audition or instructor's consent. *A minimum GPA of 2.0 is required.*

**MUS 485 Jazz Ensemble (1)**

This is a continuation of MUS 484.

**MUS 486 Opera Workshop:  
Lead Roles and Minor Roles (2)**

Admission to this class is determined by the director. Students study, prepare, and perform entire operas or selected portions and coaching in the dramatic and musical aspects of performance. Unit credit is determined by the professor and based upon the demands of the roles.

**MUS 487 Handbell Choir (1)**

This is a continuation of MUS 483.

**MUS 489 Wind Ensemble (1)**

As part of APU's Wind Ensemble, students gain instrumental experience through rehearsal and public performance, including a yearly tour. The ensemble is open to qualified students by audition or instructor's consent. *A minimum GPA of 2.0 is required.*

**MUS 490 Wind Ensemble (1)**

This is a continuation of MUS 489.

**MUS 493 Jazz Combo/Improvisation (1)**

*Entrance is gained by audition only.* This course provides an opportunity to improve improvisational skills as well as small ensemble work. Instrumentation includes a rhythm section and wind instruments.

**MUS 494 Jazz Combo/Improvisation (1)**

This is a continuation of MUS 493.

**MUS 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**MUS 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**MUS 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of creative output or research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing. The thesis or project may result in formal thesis, published article, electronic media, or annotated recital. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites: upper-division writing intensive course completed or instructor's permission; and junior or senior standing*



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## School of Nursing

# School of Nursing

## Faculty

*Dean and Professor: Rose Liegler, PhD*

*Chair, Undergraduate Program; and Assistant Professor: Shila Wiebe, MSN*

*Assistant Director, Undergraduate Program; and Associate Professor: Vicky Bowden, DNSc*

*Director, Undergraduate Admissions: Connie Austin, MAEd, MSN*

*Director, Continuing Education: Marilyn Klakovich, DNSc*

*Director, Neighborhood Wellness Center; and Associate Professor: Susan Smith, RNC, MN*

*Professors: Barbara Artinian, PhD; Elaine Goehner, RNC, PhD (part time); Marianne Hattar, DNSc; Aja Tulleners Lesh, PhD, NP*

*Associate Professors: Anita Rosebrough MS, MSN, CRRN; Cheryl Westlake, PhD, CCRN*

*Assistant Professors: Anna Marie Hefner, MSN, CPNP; Catherine Hill, CCRN, MN*

*Instructors: Janet Brazner-Chandler, CNS, MSN; Karla Richmond, MSN*

*Lecturers and Clinical Instructors (part time): Patrice Ballast, MSN; Divina Bautista, MSN, FNP; Janice Bouma, MSN; Pat Chapman, MS, RD; Pam Cone, MSN; Nemesio Delrosario, MN; Patricia Hanes, MSN; Marilyn Klakovich, DNSc; Corrine McNamara, MAEd; Cathy McPhee, MSN; Eva Meyers, MSN, FNP; Susan Navarro, MSN; Renee Pozza, MSN; Lorraine Ronga, MSN; Glenn Styffe, MN; Tracy Van Horn, MN, RNP; Sarah Wheeler, MSN*

*Skills Lab Director: Elizabeth Lopez, MSN*

*Skills Lab Supervisor: Anita Boling, MSN*

## School Overview

The School of Nursing offers a four-year baccalaureate program, accredited by the National League for Nursing and the California State Board of Registered Nursing. The program enables the student to take the California Board of Registered Nursing examination for RN licensure. The graduate is eligible to apply for a California State Public Health Certificate. The program also offers options for registered nurses and licensed vocational nurses leading to a Bachelor of Science in Nursing degree.

## Nursing

### Introduction

The purpose of the undergraduate nursing program is the development of competence at the beginning level of professional nursing and to provide a foundation for advanced practice. The graduate of the baccalaureate program:

- Utilizes the nursing process with individuals, families, and aggregates within the community to assist in attaining or maintaining a sense of coherence along the health/illness continuum.
- Demonstrates professional decision-making skills based on a broad foundation in the liberal arts, sciences, and religious studies.
- Acts as a client/patient advocate.
- Manifests professional and ethical responsibility and accountability for outcomes of nursing care.

- Takes responsibility for continued personal and professional growth and development.
- Incorporates nursing research into nursing practice.
- Functions as a change agent to promote health care and professional nursing practice.
- Functions independently and cooperatively, both as a leader and/or a member of the health care team, to coordinate care of individuals, families, and aggregates.
- Integrates Christian beliefs, values, and service in personal and professional life practice.
- Provides spiritual care to client/patients and families.

### Nursing programs include:

1. Bachelor of Science in Nursing (BSN)—Four-year generic and three-year accelerated
2. Licensed Vocational Nurse to Registered Nurse (LVN to RN, 30-unit option)
3. Licensed Vocational Nurse to Bachelor of Science in Nursing (LVN to BSN)
4. Registered Nurse to Bachelor of Science in Nursing (RN to BSN)
5. Registered Nurse to Master of Science in Nursing (ADN to MSN); see graduate catalog

### Admission to the Nursing Program

In addition to meeting the requirements for university admission, the applicant must meet the requirements for admission into the nursing program listed below.

#### BSN Students

High school applicants must meet the following admission requirements:

1. Submit an application to the Office of Undergraduate Admissions with copies of all high school and college transcripts.
2. Submit letters of recommendation as required by the university and School of Nursing.

3. Submit to the Office of Undergraduate Admissions a one-page statement of professional goals in nursing and a list of work experience within the past two years.
4. Submit a report of a physical examination including TB test and Hepatitis B immunization prior to enrollment in clinical nursing courses. (Physical exam forms are provided by the School of Nursing.)
5. Meet all applicable prerequisite courses with a grade of C or better including the following:
  - a. one year of high school chemistry (or CHEM 101 Introduction to Chemistry)
  - b. one year of high school biology (or BIOL 101 Fundamentals of Biology)
  - c. two years of high school math (algebra or geometry) (A math placement test is required unless it is waived by a score of 570 or better on the math section of the SAT. This minimum score also waives the College Algebra course requirement, but does not grant credit for the course.)
  - d. students with a verbal SAT score below 580 must take a reading proficiency and a writing placement test in English during registration
6. Achieve a minimum cumulative high school grade-point average of 2.70.

#### Transfer Students

Transfer applicants who have completed college courses and/or nursing courses in nationally accredited nursing or other health care programs are evaluated individually and given credit for courses that meet the requirements. Up to 64 units of community college credit may be transferred from another institution. When sufficient documentation is not available, some nursing courses may be challenged by the applicant. Students with transferable nursing courses must take UNRS 270 Theories and Concepts in Professional Nursing prior to any other nursing course at APU except

UNRS 220 Health Assessment, which may be taken concurrently.

**Transfer applicants** must meet the following admission requirements:

1. Submit an application to the Office of Undergraduate Admissions with copies of all high school and college transcripts.
2. Submit letters of recommendation as required by the university and School of Nursing.
3. Submit to the Office of Undergraduate Admissions a one-page statement of professional goals in nursing and a list of work experience within the past two years.
4. Submit a report of a physical examination including TB test and Hepatitis B immunization prior to enrollment in clinical nursing courses. (Physical exam forms are provided by the School of Nursing.)
5. Meet all applicable prerequisite courses with a grade of C or better including the following:
  - a. one year of high school chemistry (or CHEM 101 Introduction to Chemistry)
  - b. one year of high school biology (or BIOL 101 Fundamentals of Biology)
  - c. two years of high school math (algebra or geometry) (A math placement test is required unless it is waived by a score of 570 or better on the math section of the SAT. This minimum score also waives the College Algebra course requirement, but does not grant credit for the course.)
  - d. students with a verbal SAT score below 580 must take a reading proficiency and a writing placement test in English during registration
6. Achieve a minimum cumulative college or university grade-point average of 2.70.
7. Submit proof of current CPR certification for adults and children (Provider C).

Priority for fall admission to the School of Nursing will be given to students who have

completed 12 units of study at APU prior to the March 1 nursing application deadline, and are currently enrolled in APU's spring semester.

### Accelerated Students

Accelerated students who have completed 30 semester units of college credit in prerequisite and general education courses, including three sciences [anatomy, physiology, and CHEM 111, with minimum grades of C or better (2.0 course grade-point average)], may apply to the accelerated program and complete the BSN Program in three calendar years of study.

Acceleration is based on units completed at the time of entrance, grade-point average, course offerings, and enrollment.

Accelerated applicants must meet the following admission requirements:

1. Submit applications to the Office of Undergraduate Admissions with copies of all high school and college transcripts.
2. Submit letters of recommendation as required by the university and School of Nursing.
3. Submit to the Office of Undergraduate Admissions a one-page statement of professional goals in nursing and a list of work experience within the past two years.
4. Submit a report of a physical examination including TB test and Hepatitis B immunization prior to enrollment in clinical nursing courses. (Physical exam forms are provided by the School of Nursing.)
5. Meet all applicable prerequisite courses with a grade of C or better including the following:
  - a. one year of high school chemistry (or CHEM 101 Introduction to Chemistry)
  - b. one year of high school biology (or BIOL 101 Fundamentals of Biology)
  - c. two years of high school math (algebra or geometry) (A math placement test is required unless it is waived by a score

of 570 or better on the math section of the SAT. This minimum score also waives the College Algebra course requirement, but does not grant credit for the course.)

- d. students with a verbal SAT score below 580 must take a reading proficiency and a writing placement test in English during registration.
6. Complete all prerequisite courses and all science and nursing courses to be transferred with a minimum grade of C (2.0 GPA) or better.
  7. Achieve a cumulative grade-point average of 2.70 from accredited colleges or universities.
  8. Submit proof of current CPR certification for adults and children (Provider C).

Priority for fall admission to the School of Nursing will be given to students who have:

- a. completed 12 units of study at APU
- and —
- b. successfully completed Anatomy, Physiology, and Inorganic and Organic Chemistries prior to the end of the previous spring semester.

### Current APU Students Applying to the School of Nursing

Current APU students must meet the following admission requirements:

1. Priority for fall admission to the School of Nursing will be given to students who have completed 12 units of study at APU prior to the March 1 nursing application deadline, who are currently enrolled in APU's spring semester, and hold a minimum cumulative grade-point average of 2.70.
2. CHEM 111, anatomy, and physiology must be completed with a C grade or better.
3. Applicants must have current CPR certification for adults and children (Provider C).

### International Students

International students are required to complete the same academic and admission requirements as other students.

1. Completion of freshman writing seminar; one of the four required sciences taken at an accredited U.S. university with a minimum grade of C; and a cumulative grade-point average of 2.70 in all college courses completed at Azusa Pacific University after two semesters of full-time enrollment.
2. The admission requirement for international students with English as a second language (ESL) is a minimum TOEFL score of 550. The School of Nursing specifies that the TOEFL Test of Written English (TWE) and TOEFL Test of Spoken English (TSE) be included in the TOEFL assessment score since these are critical to success in nursing.

If there are no TOEFL scores of written and spoken English, the student will be referred to Azusa Pacific University School of Intensive English (APU-SIE) for successful completion of evaluation and required testing. If deemed necessary, additional ESL courses may be required. (Information about taking the TOEFL examination can be obtained by contacting the Office of International Student services.)

### Nursing Course Requirements for the BSN

64 units

PNRS 100	Introduction to Nursing Science (not required for accelerated students)	1
UNRS 105	Foundations of Professional Nursing	5
UNRS 113	Pharmacology	1
UNRS 210	Nursing Care in Maternal, Newborn, and Women's Health	6
UNRS 212	Nursing Care of Adults	6
UNRS 220	Health Assessment	3
UNRS 260	Nutrition	2

UNRS 270	Theories and Concepts in Professional Nursing* (students transferring nursing units)	2	completion, which establishes eligibility to take the California Board of Registered Nursing examinations for RN licensure as a nongraduate. Students should see a School of Nursing academic advisor for requirements.
UNRS 300	Stress Theory^	3	
UNRS 305	Family Theory^	3	
UNRS 310	Mental Health Nursing	3	
UNRS 313	Restorative Nursing	3	Applicants must meet the following admission requirements:
UNRS 314	Nursing Care of Children and Young Adults	6	1. Submit applications to the Office of Undergraduate Admissions with copies of all high school and college transcripts.
UNRS 325	Nursing Research	2	2. Submit letters of recommendation as required by the university and School of Nursing.
UNRS 367	Pathophysiology	3	3. Submit to the Office of Undergraduate Admissions a one-page statement of professional goals in nursing and a list of work experience within the past two years.
UNRS 401	Systems Theory in Nursing	2	4. Submit a report of a physical examination including TB test and Hepatitis B immunization prior to enrollment in clinical nursing courses. (Physical exam forms are provided by the School of Nursing.)
UNRS 410	Community Health Nursing	6	
UNRS 411	Advanced Nursing Care of Adults/Leadership	6	
UNRS 496	Senior Seminar: Ethics and Issues in Health Care^	4	

\*This course does not count toward the unit requirements for the major.

^Meets a general studies requirement.

## LVN Students

Two programs are available to the licensed vocational nurse (LVN): the LVN to BSN, and LVN to RN, 30-unit option. Licensed vocational nurses are evaluated on an individual basis. Credit is given for general education courses that are transferable. The first-year nursing courses, PNRS 100 and UNRS 105, are waived for currently licensed LVNs.

LVN students must take UNRS 270 Theories and Concepts in Professional Nursing prior to any other nursing course at APU. See course requirements for the BSN student.

### LVN to BSN

See the admission policies for transfer applicants under the "BSN Students" section.

### LVN to RN 30-Unit Option

Students choosing this option are admitted as terminal nondegree students. Upon completion of the requirements of the 30-unit option with a grade of C or better in all courses, the student receives a certificate of

## RN to BSN

Registered nurses from associate degree and diploma programs are encouraged to apply to the Azusa Pacific University Baccalaureate Nursing Program. Each applicant is individually evaluated and appropriate credit is given for previous education. Up to 96 units of transfer and challenge credit are allowed (64 units maximum transfer from a junior college). A total of 126 semester units are required for a BSN degree. ERI testing is used for challenging nursing courses UNRS 210, UNRS 212, UNRS 310, UNRS 313, and UNRS 314. In addition, challenge examinations are available in general education and nursing courses (Health Assessment, Pathophysiology, Nutrition, and Nursing Research) for applicants who wish to receive credit for knowledge gained

through prior education. Up to a total of 30 units of challenge credit may be utilized for the BSN Program. Registered nurses must meet the general education requirements of the nursing program. Applicants must be currently licensed in the state of California.

## Nursing Course Requirements for the RN to BSN Program 29 units

UNRS 220	Health Assessment*	3
UNRS 270	Theories and Concepts in Professional Nursing*	2
UNRS 305	Family Theory***^	3
UNRS 325	Nursing Research*	2
UNRS 367	Pathophysiology*	3
UNRS 446	Theory and Practice in Community Health Care Systems**	6
UNRS 447	Nursing Leadership in Acute Care Settings**	6
UNRS 496	Senior Seminar: Ethics and Issues in Health Care^	4

\*Prerequisites for UNRS 446/447

\*\*Prerequisite: one year of clinical practice as a RN and completion of all challenge exams

\*\*\*Upper-division writing requirement

^Meets a general studies requirement.

## Additional Information

### Uniforms

Students in the baccalaureate program are required to follow the School of Nursing uniform and dress code at all times during clinical practicum. A nursing uniform with a School of Nursing patch and name tag are acceptable attire.

### Fees and Other Costs

Nursing students are charged a laboratory fee for each course with a laboratory or practicum. Workers compensation and nursing liability insurance (which covers only the clinical practicum associated with the School of Nursing clinical courses) are included in the lab fee.

## Transportation

Certain clinical experiences in the nursing program may require that the student have a valid driver's license, an automobile for personal use, and evidence of public liability insurance. Nursing students must provide their own transportation to and from clinical facilities or activities.

## Curriculum

Copies of the course requirements and schedule for nursing majors are available from the School of Nursing. Several nursing courses are offered sequentially and have prerequisites; therefore, it is important for students to follow this schedule when registering for classes. Any questions regarding the schedule should be directed to the School of Nursing.

THE SCHOOL OF NURSING RESERVES THE RIGHT TO CHANGE THE CURRICULUM AND DEGREE REQUIREMENTS AS DEEMED NECESSARY TO MAINTAIN A HIGH QUALITY PROGRAM.

## Nursing Courses Required for the Nursing Major 64 units

PNRS 100	Introduction to Nursing Science (not required for accelerated BSN students )	1
UNRS 105	Foundations of Professional Nursing (or UNRS 270)	5
UNRS 113	Pharmacology	1
UNRS 210	Nursing Care in Maternal, Newborn, and Women's Health	6
UNRS 212	Nursing Care of Adults	6
UNRS 220	Health Assessment	3
UNRS 260	Nutrition	2
UNRS 270	Theories and Concepts in Professional Nursing (or UNRS 105)	2
UNRS 300	Stress Theory^	3
UNRS 305	Family Theory^	3
UNRS 310	Mental Health Nursing	3
UNRS 313	Restorative Nursing	3

^Meets a general studies requirement.



UNRS 314	Nursing Care of Children and Young Adults	6	<b>Support Courses and General Studies Requirements for the Nursing Major</b>	
UNRS 325	Nursing Research	2	BIOL 220	General Microbiology 4
UNRS 367	Pathophysiology	3	BIOL 250	Human Anatomy 4
UNRS 400	Advanced Practice: Professional Studies and Communication Skills (limited to senior nursing students interested in pursuing graduate studies; requires cum GPA of 3.0 or better)	3	BIOL 251	Human Physiology 4
UNRS 401	Systems Theory in Nursing	2	CHEM 111	Chemistry for the Health Sciences <sup>^</sup> 3
UNRS 402	Issues in Nursing (for students with transfer credit in Christian ethics)	2	CHEM 112	Biochemistry for the Health Sciences <sup>^</sup> 1
UNRS 410	Community Health Nursing	6	COMM 111	Public Communication <sup>^</sup> 3
UNRS 411	Advanced Nursing Care of Adults/Leadership	6	ENGL 101	College Composition <sup>^</sup> (Transfers only) 3
UNRS 446	Theories and Practice in Community Health Care Settings (for RNs)	6	ENGL 110	Freshman Writing Seminar <sup>^</sup> 3
UNRS 447	Nursing Leadership in Acute Care Systems (for RNs)	6	ENGL XXX	(English Literature core) <sup>^</sup> 3
UNRS 496	Senior Seminar: Ethics and Issues in Health Care <sup>^</sup>	4	MATH 110	College Algebra <sup>^</sup> 3
UNRS 497	Readings	1-4	PHIL	(core requirement) <sup>^</sup> 3
UNRS 498	Directed Research	1-4	PSYC 110	General Psychology <sup>^</sup> 3
UNRS 499	Thesis/Project	1-4	PSYC 290	Human Growth and Development <sup>^</sup> 3
			PSYC 350	Applied Statistics 3
			PSYC 360	Abnormal Psychology 3
			SOC 358	Human Diversity <sup>^</sup> 3
			Heritage and Institutions (core requirement) <sup>^</sup>	3
			PE XXX	Fitness for Life <sup>^</sup> 1
			Aesthetics and the Creative Arts (core requirement) <sup>^</sup>	3
			God's Word and the Christian Response (Religion) core requirements (includes core units of ethics in UNRS 496) <sup>^</sup>	18
			University Skills Foreign Language requirement (unless waived) <sup>^</sup>	8
			Elective (if successfully challenges MATH 110)	3
			CSA 101	Beginnings <sup>^</sup> 1
				(required for entering freshmen and transfer students with fewer than 28 units)

Note: Upper-division writing intensive and senior seminar requirements are met in nursing courses.  
<sup>^</sup>Meets a general studies requirement.

### Elective Nursing Courses for the Nursing Major

UNRS 380	Transcultural Health Care Outreach	2
UNRS 381	Transcultural Health Care Outreach-Practicum	1
UNRS 436	Fundamentals of Case Management	3

Optional elective graduate nursing courses require a cumulative grade-point average of 3.0 or better.

## Course Descriptions

### PNRS 100 Introduction to Nursing Science (1)

This course provides an overview of nursing to increase the student's awareness of various nursing opportunities. Emphasis is on the roles of nursing in a changing health care environment. Professionalism, accountability, and spirituality are included.

### UNRS 105 Foundations of Professional Nursing (5)

LECTURE, 3 HOURS; PRACTICUM, 6 HOURS  
 This course focuses on the nursing process and introductory concepts crucial to professional nursing care, including the intersystem model, interviewing, wellness, health promotion, and illness prevention. The clinical practicum includes application of concepts and acquisition of nursing skills needed to provide health care to the healthy elderly and adults with immobility problems. *Accelerated and four-year generic track prerequisites: BIOL 250, CHEM 111; additional prerequisites for accelerated program: BIOL 251, CHEM 112 (or corequisite), UNRS 113 (or corequisite), and acceptance into the accelerated nursing program; corequisites for four-year generic track: BIOL 251, CHEM 112, UNRS 113*

### UNRS 113 Pharmacology (1)

This course is designed for students who have completed organic chemistry, inorganic chemistry, and biochemistry. The content focuses on principles of pharmacology, and specifics of the major drug classifications. *Prerequisites: credit in organic chemistry, inorganic chemistry and biochemistry (CHEM 111 and CHEM 112), and BIOL 250; or corequisite: BIOL 251 and CHEM 112*

### UNRS 210 Nursing Care in Maternal, Newborn, and Women's Health (6)

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS  
 Students are given a variety of experiences in caring for the maternity client, her infant, and her family. Through the Intersystem Model as well as concepts of development and stress/adaptation, students study both normal and complicated obstetrics and are assigned to clinical facilities where they care for such families and apply the theoretical information and nursing process. The student is introduced

to birth preparation, prenatal care, and normal neonatal nursing with concurrent clinical experiences. Issues of women's health care are explored. *Prerequisites: BIOL 250, BIOL 251, CHEM 111, CHEM 112, MATH 110, PSYC 110, PSYC 290 (or corequisite), UNRS 105 or UNRS 270, UNRS 113, UNRS 220 (or corequisite), and UNRS 260 (or corequisite)*

### UNRS 212 Nursing Care of Adults (6)

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS  
 This course involves application of biological, psychosocial, and spiritual concepts to clients experiencing the stress of an acute or chronic alteration in physical health. Specific concepts of gerontology and development are discussed related to the medical-surgical setting. Nursing process is utilized to provide care to one or two clients within the health care delivery system of an acute hospital and a skilled nursing facility. *Prerequisites: BIOL 250, BIOL 251, CHEM 111, CHEM 112, MATH 110, PSYC 110, PSYC 290 (or corequisite), UNRS 105 or UNRS 270, UNRS 113, UNRS 220 (or corequisite), and UNRS 260 (or corequisite)*

### UNRS 220 Health Assessment (3)

LECTURE, 2 HOURS; LABORATORY, 3 HOURS  
 This course provides the nursing student with skills in physical and psychosocial assessment of adult clients. History-taking and physical-examination techniques presented in the course help the student develop strong assessment skills upon which further knowledge and practice can be built. RNs take this course in the summer. *Prerequisites: BIOL 250, BIOL 251, and UNRS 105, or UNRS 270 (for transfer students)*

### UNRS 260 Nutrition (2)

Basic concepts in human nutrition are explored, and students are exposed to concepts of clinical nutrition related to care of others. An emphasis is placed on nutrition to maintain optimal health and prevent illness. *Prerequisite(s): CHEM 111, CHEM 112, or instructor's approval if a non-nursing major*

### UNRS 270 Theories and Concepts in Professional Nursing (2)

This "bridge" course is designed for transfer students who are not required to take UNRS 105 (LVNs and RNs entering the baccalaureate nursing program). It provides an introduction to the theories and concepts of professional nurs-

ing. The Intersystem Model is presented and utilized as the basis for nursing process as applied to nursing clients. The content also includes discussion of current issues and trends in nursing and compilation of a professional portfolio. *Prerequisite: acceptance into the nursing program*

### UNRS 300 Stress Theory (3)

This course focuses on concepts of stress theory and stress management. Emphasis is placed upon the interrelatedness between health, stress, and spirituality. Stress reactions which affect individuals throughout the lifespan are discussed. Experiential learning activities assist the student to examine and manage personal stress responses and to assist others in understanding and adapting to stress. *Meets the general studies elective requirement in Identity and Relationships. Prerequisites: PSYC 290; and nursing majors must have junior standing. Concurrent enrollment in UNRS 310 and UNRS 313 is recommended.*

### UNRS 305 Family Theory (3)

The primary focus of this course is the healthy multicultural family. Various theoretical frameworks are identified from which families may be assessed. There is a strong emphasis on the developmental stages of the family, beginning with the married couple through retirement and death of a spouse. Roles, power, communication, socialization, values, spirituality, and health care within the family are discussed. The nursing process is applied to the well family. The secondary focus is on assessment of high-risk families, including situations such as grief and loss, separation and divorce, and violence. It is recommended that this course be scheduled concurrently with UNRS 314. *Meets the general studies requirement of an upper-division writing intensive course. Prerequisites: junior standing in the nursing major, BIOL 220, PSYC 110, PSYC 290, and SOC 358*

### UNRS 310 Mental Health Nursing (3)

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS FOR A 7-WEEK ROTATION

This theoretical and clinical course focuses on the dynamics of psychosocial stress within the interpersonal and intrapersonal systems

of clients with acute and chronic psychiatric disorders. *Prerequisites: BIOL 220; PSYC 110; PSYC 290; PSYC 360; UNRS 105 or UNRS 270; UNRS 210; UNRS 212; UNRS 220; and UNRS 260; corequisites: UNRS 300 and UNRS 325*

### UNRS 313 Restorative Nursing (3)

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS FOR A 7-WEEK ROTATION

This course enables the student to focus on integrating biological, psychosocial, and spiritual care of an adult or geriatric client with a long-term health problem. The mental health and spiritual concepts are emphasized. Students are assigned to a rehabilitation or restorative setting. *Prerequisites: BIOL 220; PSYC 110; PSYC 290; PSYC 360; UNRS 105 or UNRS 270; UNRS 210; UNRS 212; UNRS 220; UNRS 260; corequisites: UNRS 300 and UNRS 325*

### UNRS 314 Nursing Care of Children and Young Adults (6)

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS

This theoretical and clinical course focuses on the care of children from birth through adolescence. The effects of acute and chronic illness on growth and development are studied in the acute hospital. In the community, emphasis is placed on assessing children in the school or the outpatient environment. Education of the child and family on wellness and safety issues is addressed. Ethical issues are discussed in the relationship to the child and family, including problems such as child abuse. *Prerequisites: BIOL 220; PSYC 110; PSYC 290; UNRS 105 or UNRS 270; UNRS 210; UNRS 212; UNRS 220; UNRS 260 and UNRS 305 (or corequisite); corequisite: UNRS 367*

### UNRS 325 Nursing Research (2)

LECTURE, 1 1/2 HOURS; PRACTICUM, 1/2 HOUR

This course introduces the steps in the research process. It focuses on research questions, terms, and research design. It is recommended that this course be scheduled concurrently with UNRS 310 and UNRS 313. RNs take this course in the summer. *Prerequisites: junior standing in the nursing major and PSYC 350 Applied Statistics; corequisites: UNRS 310 and UNRS 313*

### UNRS 367 Pathophysiology (3)

This course presents an introduction to human pathophysiology. Mechanisms causing alterations in cellular activity, maintenance of cellular tissue oxygenation, fluid and electrolyte balance, and neuroendocrine control of the body are included. Common pathophysiologic disorders are emphasized. It is recommended that this course be scheduled concurrently with UNRS 314. RNs take this course in the summer.

*Prerequisites: BIOL 220, BIOL 250, BIOL 251, CHEM 111, CHEM 112, UNRS 113, UNRS 260, and junior standing in the nursing major; corequisite: UNRS 314*

### UNRS 380 Transcultural Health Care Outreach (2)

This course provides an opportunity for nursing and non-nursing students to explore and understand theoretically based transcultural health care practices. The content serves to stimulate discussion and identify personal perspectives and individual cultural values as well as methods and frameworks appropriate to the development of knowledge related to the health care of individuals, families and communities. *Prerequisite: UNRS 212 or instructor's permission for non-nursing majors; SOC 358 or GBLB 305 highly recommended*

### UNRS 381 Transcultural Health Care Outreach-Practicum (1)

This course provides an opportunity for nursing and non-nursing students to participate in service and learning in another culture as part of a health care team. It is intended to promote the delivery of health care and health education to underserved populations. *Prerequisite: UNRS 380 (or corequisite), UNRS 212, or instructor's permission for non-nursing majors*

### UNRS 400 Advanced Practice: Professional Studies and Communication Skills (3)

This course is designed as a preparatory course for students undertaking, or planning to seek, graduate education in the pursuit of an advanced practice role. The course presents an overview of issues and trends in United States health care delivery systems and models as they relate to the evolution of advanced practice nursing and explores the potential for employment. Further, the course provides an exploration of the expectations of students in nursing

graduate study with special emphases on oral and written professional communication skills. *Prerequisite: instructor's permission.*

### UNRS 401 Systems Theory in Nursing (2)

This course emphasizes systems theory as applied to a variety of health care systems and organizations encountered by professional nurses in various roles. Other core concepts relevant to the clinical setting are presented with a systems approach. It is recommended that this course be scheduled concurrently with UNRS 411. *Prerequisites: UNRS 300, UNRS 305, UNRS 310, UNRS 313, UNRS 314, and UNRS 325*

### UNRS 402 Issues in Nursing (2)

This course allows the student to develop a personal and professional dimension of nursing practice in an ever-changing society. The focus is on the status of nursing in the health care system. Trends and issues are examined relative to providers of health care, quality of health care, education of health care professionals, and consumerism. It is recommended that this course be scheduled concurrently with UNRS 410. *Prerequisite: Christian ethics*

### UNRS 410 Community Health Nursing (6)

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS

This course has two areas of focus within the community setting: the study of principles and practices involved in community health nursing and the development of skills for teaching a group of clients. The emphasis is on the role of the nurse in assessing, planning, implementing, and evaluating care of clients in a variety of community-based settings, with a major focus on care of the gerontological client. Collaboration with community-based organizations and services that provide health restoration, maintenance, illness prevention, and client education services to individuals and families are essential components of this course. A review of legal mandates and regulations, as well as discussion of ethical dilemmas and issues related to community-based care, is included. *Prerequisites: SOC 358, UNRS 300, UNRS 305, UNRS 310, UNRS 313, UNRS 314, UNRS 325 (or corequisite), UNRS 367, UNRS 402 or UNRS 496 (or corequisite), and senior standing in the nursing major*

### **UNRS 411 Advanced Nursing Care of Adults/Leadership (6)**

LECTURE, 2 HOURS; PRACTICUM, 12 HOURS

This course involves the application of pathophysiological, psychosocial, and spiritual concepts to adult and geriatric clients experiencing the stress of illness in acute settings. The first area of focus is caring for critically ill clients and their families with complex health needs in a critical-care setting. The second area of focus is on the utilization of leadership and management concepts/skills in providing comprehensive care to groups of clients in a medical-surgical setting. Emphasis is placed on preparing the student to practice in a beginning leadership role in managing client care. Legal and ethical issues related to acute care are included. *Prerequisites:* UNRS 300, UNRS 305, UNRS 310, UNRS 313, UNRS 314, UNRS 367, and UNRS 401 (or corequisite)

### **UNRS 436 Fundamentals of Case Management (3)**

THEORY, 2 UNITS; PRACTICUM, 1 UNIT

This is an introductory course for senior level students covering the principles of case management, roles and responsibilities of the case manager, case management tools, plans, and methods, issues including legal ones, and how case management improves patient and hospital outcomes. It is designed to give an overview of what case management is and how a nurse can utilize these tools and skills to advance clinical practice. It is an elective course. *Prerequisites:* PSYC 350 and UNRS 325

### **UNRS 446 Theory and Practice in Community Health Care Systems (6)**

LECTURE, 3 HOURS; PRACTICUM, 9 HOURS

This is one of two courses offered for the RN who seeks a baccalaureate degree in nursing. A multiple theoretical focus that includes concepts from systems, stress, adaptation, development, and role theory, is emphasized. A beginning practice in the utilization of nursing process with an emphasis on nursing diagnosis and the nurse's role in assessing, planning, implementing, and evaluating care of clients in a variety of community settings is provided. Collaboration with community-based organizations and services that provide health restoration, maintenance, illness prevention, and client education services to individuals and families are essential course components. A review of legal mandates

for practice, as well as discussion of ethical dilemmas and issues related to high quality nursing care, are included. Specific content varies based on the student's prior education and experience. *Prerequisites:* SOC 358, UNRS 220, UNRS 270, UNRS 325, UNRS 367, senior standing in the nursing major, completion of all challenge exams, and one year of clinical practices as an RN

### **UNRS 447 Senior Seminar Nursing Leadership in Acute Care Settings (6)**

LECTURE, 4 HOURS; PRACTICUM, 6 HOURS

This is one of two courses offered for the RN who seeks a baccalaureate degree in nursing. The course synthesizes selected information presented in the generic baccalaureate program for presentation in a condensed format. The course addresses the development and nature of today's health care systems and associated nursing issues in the United States. The content also familiarizes the student with major nursing roles: leader, consultant, teacher, manager, and client advocate. The course focuses on client needs in acute health care settings and emphasizes the interdependent relationship between the health care system and advocate. *Prerequisites:* UNRS 220, UNRS 270, UNRS 325, UNRS 367, senior standing in the nursing major, completion of all challenge exams, and one year clinical practice as an RN

### **UNRS 496 Senior Seminar: Ethics and Issues in Health Care (4)**

The focus of this course is on the integration of Christian faith, ethical issues, and professional concerns which confront nurses in their work life. It also includes consideration of issues and trends in health care and nursing. Integration of such concerns as providers of health care, quality of health, access to health care, education of the health care professionals and consumerism with ethical concerns are investigated. This course also contains a comprehensive paper written on a bioethical issue which meets the senior writing requirement. Each week there is a discussion period around ethical concerns which correlates to the material presented in class. It is recommended that this course be scheduled concurrently with UNRS 410. Meets the general studies requirement of a senior seminar. *Prerequisites:* UNRS 300, UNRS 305, UNRS 310, UNRS 313, UNRS 314, UNRS 325 and UNRS 367

### **UNRS 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

### **UNRS 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite:* junior or senior standing

### **UNRS 499 Thesis/Project (1-4)**

This is a senior level "capstone" type of independent study/research experience, involving the student in a unique project with a sophisticated level of research, synthesis, analysis, and communication. The one-unit expectation encompasses no less than 30 hours work with accompanying readings, log, instructor discussions, and writing of summary analysis and conclusions. The thesis or project may result in formal thesis, published article, or electronic media. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisites:* upper-division writing intensive course completed or instructor's permission; and junior or senior standing



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# Department of Religion and Philosophy

## Faculty

*Chair and Associate Professor: William Yarchin, Ph.D.*

*Professors: Bruce Baloian, Ph.D.; John Culp, Ph.D.; Alan Padgett, D.Phil.; Keith Reeves, Ph.D.; Melvin Shoemaker, D.Min.; Steve Wilkens, Ph.D.; Gerald Wilson, Ph.D.*

## Department Overview

The Department of Religion and Philosophy offers courses of study that encourage the search for truth about God, human existence in relationship to God, and the world as God's creation. Students are guided in this search through an analysis of the Christian Scriptures, historical and contemporary statements of Christian belief, human experience of God and the world, and rational reflections on the nature of reality by great thinkers—both past and present. The goal of this study is to prepare men and women for service to God, as either lay or professional ministers in His Kingdom. Academic study is therefore balanced with a concern for individual involvement in practical ministry.

The department offers four major courses of study (biblical studies, Christian ministries, philosophy, and theology), seven minors (biblical studies, Christian ministries, Greek, philosophy, religion, religion and culture, and theology), one special program (Certificate of Distinction in Biblical Studies), and cooperative programs with Jerusalem University College in Israel and Bresee Institute for Urban Training in Los Angeles. Each major course of study builds on the requirements of the general studies requirement in God's Word and the Christian Response (18 units). Transfer students take the number of units required by the registrar. Courses are selected from the list of core courses for general studies in consultation with a departmental advisor. The philosophy major adds 24 units of specialized upper-division study in philosophy,

and the three majors in religion (biblical studies, Christian ministries, and theology) add core courses in religion and philosophy (15 units) and a specialization of upper-division courses in the major (15 units). Courses used to meet the general studies requirement in God's Word and the Christian Response cannot be used to meet the additional core or specialization requirements of the majors. In general, correspondence courses are not accepted as fulfillment of religion or philosophy requirements. However, a student may petition to have three correspondence units count toward his/her major or minor upon department approval. The course(s) must match existing courses, and the student may be asked to pass an exam. Double majors require 18 units which are distinctive. Those 18 units may include one upper-division core course in the specific major. Each minor course of study requires 12 units of upper-division work in the area of the minor.

## Prerequisite General Studies Courses for All Majors in Religion

		21 units
UBBL 100	Introduction to Biblical Literature: Exodus/Deuteronomy	3
UBBL 230	Luke	3
UBBL XXX	Any UBBL Bible course	3
CMIN 108	Foundations of Ministry	3
PHIL 220	Introduction to Philosophy	3
THEO 303	Theology and the Christian Life	3
THEO 496	Theology and Social Issues	3
	— or —	
PHIL 496	Senior Seminar	3

Students transferring into the university may waive some of the general studies prerequisites for the major as follows: sophomore standing, 3 units; junior standing, 9 units; and senior standing, 12 units. The specific courses waived are selected in consultation

with the departmental faculty advisor. Religion and philosophy majors must maintain a minimum 2.5 cumulative grade-point average from all courses for the major.

## Biblical Studies

### Introduction

The biblical studies major combines a broad background in philosophy and Christian theology and ministries with a solid foundation in the Bible. Graduates are furnished with a biblical basis for Christian ministry and evangelism and prepared for future graduate study in the Bible and Christian theology.

### Career Opportunities

The biblical studies major provides students with tools for continued education either at a seminary or a university. Graduates have also assumed positions in churches and Christian organizations where knowledge and understanding of the Scripture are essential.

## Requirements for the Biblical Studies Major

30 units

The biblical studies major can be earned by completing the 15 units of core courses in religion and philosophy and 15 upper-division units of specialization in biblical studies (which may include upper-division Hebrew and Greek).

### Core Courses

15 units

CMIN 206	Introduction to Christian Education	3
PHIL 310	History of Ancient and Medieval Philosophy	3
	— or —	
PHIL 320	History of Modern Philosophy	3
	— and —	
THEO 353	Church History	3

THEO 363	Contemporary Christian Thought	3
— or —		
THEO 405	Practical Theology—Practicum I	3-4
UBBL 3XX	Biblical Studies Elective	3

**Upper-Division Biblical Studies Courses** **15 units**

## Christian Ministries

### Introduction

The Christian ministries major provides the student with a broad perspective in the field of religion and academic preparation involving both theory and professional training. Graduates are prepared for more specialized graduate study and given the conceptual and technical resources for effective service in Christian ministry. Courses are available in Christian education, missions, pastoral work, urban ministry, and youth ministry.

### Career Opportunities

Graduates with a Christian ministries major have assumed positions in local churches as pastors, directors of Christian education, and youth pastors; in Christian schools as teachers and administrators; and in parachurch organizations as leaders and staff members in the United States and other countries.

### Requirements for the Christian Ministries Major

**30 units**

The Christian ministries major may be earned by completing 15 units of core courses and 15 upper-division units in any of the five areas (Christian education, missions, pastoral work, urban ministry, and youth ministry).

<b>Core Courses</b>		<b>15 units</b>
CMIN 206	Introduction to Christian Education	3
PHIL 310	History of Ancient and Medieval Philosophy	3
— or —		
PHIL 320	History of Modern Philosophy	3
THEO 353	Church History	3
THEO 363	Contemporary Christian Thought	3
— or —		
THEO 405	Practical Theology—Practicum I	3-4
UBBL 3XX	Biblical Studies Elective	3

**Upper-Division Christian Ministries Courses** **15 units**

Must take THEO 410 Practical Theology Practicum II.

## Philosophy

### Introduction

Philosophy and religion are closely allied in the history of civilization. The philosophy major offers the student historical perspectives on philosophical concepts, principles for careful thought, and study of specific topics. The student is prepared for graduate study in philosophy or a number of related fields, and for careful reflection on the needs of current societies.

### Career Opportunities

Traditionally, graduates have pursued further study in fields such as philosophy, religion, law, education, and business. When combined with course work and experience in areas such as business, political science, or education, graduates with the philosophy major may assume positions of leadership in corporations, government, and education.

### Requirements for the Philosophy Major

**27 units**

To complete the philosophy major, the student must take PHIL 220 Introduction to Philosophy and 24 units of upper-division work in philosophy.

## Theology

### Introduction

Theology addresses the true vocation of Christian believers, following after Christ Jesus and exploring the meaning of faith in Christ. The theology major serves any student who feels the call to a deeper understanding of God and Christian faith and life. It aids in preparing the student for service and lay leadership in the Christian community.

### Career Opportunities

The theology major provides students with tools for continued education at either a seminary or university. Graduates have also assumed positions in Christian organizations where knowledge and understanding of theology are essential.

### Requirements for the Theology Major

**30 units**

The theology major may be earned by completing 15 units of core courses and 15 upper-division units in theology.

### General Education Requirements

- Two semesters of the same language or equivalent—German or French recommended
- THEO 303 Theology and the Christian Life
- All other general education requirements

**Core Courses** **15 units**

CMIN 206	Introduction to Christian Education	3
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PHIL 310	History of Ancient and Medieval Philosophy	3
— or —		
PHIL 320	History of Modern Philosophy	3
— and —		
THEO 353	Church History	3
THEO 363	Contemporary Christian Thought	3
— or —		
THEO 405	Practical Theology—Practicum I	3-4
UBBL XXX	Upper-Division Biblical Studies Elective	3

**Upper-Division Theology Courses** **15 units**

PHIL 410	Philosophy of Religion	3
UBBL 460	Theology of the Old Testament	3
UBBL 461	Theology of the New Testament	3
Upper-Division Theology Courses		6

**Biblical Studies Minor** **12 units**

The minor consists of 12 upper-division units in biblical studies.

**Christian Ministries Minor** **12 units**

The minor consists of 12 upper-division units in Christian ministries.

**Greek Minor** **12 units**

The Greek minor consists of 12 upper-division units in Greek.

**Philosophy Minor** **12 units**

The philosophy minor consists of 12 upper-division units in philosophy.

**Religion Minor** **12 units**

The religion minor consists of 12 upper-division units in biblical studies, theology, and Christian ministries.

## Religion and Culture Minor

12 units

Religion plays an essential role in human society and history. Those wishing to study religion in general are urged to consider the minor in religion and culture. This interdisciplinary minor focuses the resources of several departments on the task of understanding religion in general. This program prepares students for graduate work in religious studies. The minor consists of 12 upper-division units from among these required courses:

PHIL 315	Comparative Religions	3
PHIL 410	Philosophy of Religion	3
HIST 352	Renaissance and Reformation	3
HIST 420	History of Religion in America	3
PSYC 440	Psychology of Religion	3
SOC 360	Sociology of Religion	3

## Theology Minor

12 units

The minor consists of 12 upper-division units in theology.

Notification to the Office of the Registrar of completion of a minor is made by the department chair upon the request of the student.

## Course Descriptions

### Biblical Languages

#### BLNG 204 Elementary Greek I (4)

The elements of New Testament Greek, with emphasis on the mastery of the basic forms, syntax, and vocabulary, are covered in this two-part beginning course.

#### BLNG 205 Elementary Greek II (4)

The elements of New Testament Greek, with emphasis on the mastery of the basic forms, syntax, and vocabulary, are covered in this two-part beginning course.

#### BLNG 304 Intermediate Greek (3)

This course consists of continued study of the forms, syntax, and vocabulary of New

Testament Greek with an introduction to exegesis of the Greek New Testament. *Prerequisite(s): BLNG 204 and BLNG 205, or the equivalent*

#### BLNG 404 Advanced Greek (3)

Students undertake reading and exegesis of various passages in the New Testament. *Prerequisite: BLNG 304 or the equivalent*

#### BLNG 424 Hebrew I (4)

The basic grammar and syntax of Hebrew are taught using a combination of the inductive and deductive methods. There are selected readings from Esther, the Joseph narrative, and other literary genres. The aim of the course is to provide a reading knowledge of biblical Hebrew prose and an acquaintance with basic conversational, modern Hebrew.

#### BLNG 434 Hebrew II (4)

The basic grammar and syntax of Hebrew are taught using a combination of the inductive and deductive methods. There are selected readings from Esther, the Joseph narrative, and other literary genres. The aim of the course is to provide a reading knowledge of biblical Hebrew prose and an acquaintance with basic conversational, modern Hebrew.

#### BLNG 454 Greek Readings (4)

This course requires directed reading in the Greek New Testament. It is offered according to the needs of the student. It can be repeated for credit, thus providing fifth and sixth semesters of Greek.

#### BLNG 455 Hebrew Readings (3)

This course requires directed reading in the Hebrew Old Testament. It is offered according to the needs of the student. It can be repeated for credit, thus providing third and fourth semesters of Hebrew. *Prerequisite(s): BLNG 424 and BLNG 434, or completion of elementary Hebrew at another institution*

#### BLNG 456 Ancient Languages (3)

This course is offered according to the needs of the student. It provides opportunity to learn basic grammar and vocabulary in Arabic, Akkadian, Aramaic, Coptic, Latin, Ugaritic, or other ancient languages relevant to the study of biblical history and literature. May be repeated for advanced language study or learning an additional language. *Prerequisite(s): completion of elementary Greek and/or elementary Hebrew, or instructor's permission.*

## Christian Ministries

### CMIN 105 Introduction to Christian Missions (1-3)

Students are exposed to opportunities for Christian service abroad while gaining an overview of the present progress of the Great Commission. Does not count toward the Christian ministries major.

### CMIN 108 Foundations of Ministry (3)

The theological, educational, and social bases for ministry and service are examined. An analysis of the church's responsibility and methods for carrying out the ministry mandate of Jesus is emphasized. Field experience is required. *Meets general studies core ministry requirement for God's Word and the Christian Response.*

### CMIN 206 Introduction to Christian Education (3)

Students gain a comprehensive knowledge of the significance and scope of Christian education—its definition, nature, objectives, procedures, and agencies.

### CMIN 316 The Art of Leadership (3)

This course helps the ministry and church leader define leadership using theological, historical, biblical, and contemporary research. The course addresses the process of identifying and cultivating leadership styles within one's self and the people whom one serves. *Prerequisite: CMIN 206 or instructor's permission*

### CMIN 326 Effective Teaching in Christian Education (3)

Students study the principles and procedures involved in effective classroom teaching: philosophies of teaching, methods, the teaching-learning process, motivation, guidance, integration, and evaluation. *Prerequisite: CMIN 206 or instructor's permission*

### CMIN 336 Christian Family Life (3)

The home in its cultural setting, the methods and programs of the church that contribute to the Christian home, parental responsibility, and the building of Christian character are studied. *Prerequisite: CMIN 206 or instructor's permission*

### CMIN 346 Ministry to the City (4)

This course provides the student with a broad introduction to the unique challenges and opportunities for Christian ministry in an urban

context with special attention to some of the most effective methods and tools for doing urban ministry. Students are encouraged to reflect on their own lifestyles and future ministry choices in light of the needs of the city and the response of the gospel in meeting human need. Exposure to city life and church-based organizations working for the shalom of the city provide a dynamic context for the various learning activities in this course. *Offered at the Bresee Institute in Los Angeles.*

### CMIN 405 Christian Mission in the 21<sup>st</sup> Century (3)

An introduction to the biblical, historical, and theological foundations of missions in a contemporary world setting, both globally and locally. The call, context, and preparation for missionary service are examined.

### CMIN 406 History and Philosophy of Christian Education (3)

The history of educational theory, with emphasis on objective and philosophical problems and biblical bases, is covered in this course.

*Prerequisite: CMIN 206 or instructor's permission*

### CMIN 408 Principles of Preaching (3)

This course offers a study of classical homiletics, a variety of sermonic methodologies. Sound hermeneutical principles in exegesis of Scripture, and the worship setting of the sermon with emphasis on the delivery of effective expository sermons in the contemporary world.

### CMIN 416 Communicating the Gospel (3)

This course assists the student in following Jesus's model of being people "filled with grace and truth" (John 1:14). Special attention is given to writing, speaking, teaching, interpersonal communication, body language, problem solving, and other critical tasks necessary to being a Christian and carrying out the Great Commission. *Prerequisite: CMIN 206 or instructor's permission*

### CMIN 418 Pastoral Ministry (3)

The life and work of the Christian pastor is studied with attention to the broad range of duties, rituals and responsibilities for which the contemporary Christian pastor is expected to have competency. Topics for study include administration of sacraments, church finance, staff administration, worship, church boards, pastoral visitation, and evangelism.

**CMIN 426 Topics in Christian Ministry (3)**

This course engages the student in a focused and intensive study of particular topics of direct relevance and urgency in the practice of Christian ministry. Topics vary from semester to semester.

**CMIN 428 Church and Society (3)**

A study of the application of church theology to contemporary society is offered. The course explores a broad range of contemporary social issues and asks how Christian ministry might respond to those needs in a faithful and effective way. Site visits and field experience are required.

**CMIN 446 Children's Educational Ministries (3)**

Childhood development, the needs of children in contemporary society, and biblical and theological perspectives on children are examined, with a view to discerning the church's role in nurturing spiritual formation in the faith community. *Prerequisite: CMIN 206 or instructor's permission*

**CMIN 456 Youth Leadership (3)**

The course offers an intense study of the complexity of today's youth, the role of the youth director, and the methods necessary in recognizing and cultivating leadership potential from among the youth. *Prerequisite: CMIN 206 or instructor's permission*

**CMIN 466 Adult Development and Spiritual Formation (3)**

The course examines the process and contexts by which adults mature. Subject areas include: biblical and theological foundations for adult development and education, and adult characteristics, needs, life cycles, and learning patterns. The course emphasizes community and individuals. *Prerequisite: CMIN 206 or instructor's permission*

**CMIN 486 Urban Ministry Practicum (6)**

The practicum is intended to provide students with a broad understanding of urban life and ministry. The practicum develops a student's ability to interface theory and practice, theology and ministry, by integrating classroom learning, hands-on practice, spiritual formation, mentoring, and critical reflection on the practice of the Christian faith in an urban setting. During the practicum, the student is required to live, work, worship, and study in the city. *Offered at the Bresee Institute in Los Angeles.*

**CMIN 487 Exegeting the City (3)**

This course explores the development of a "hermeneutic" for understanding the built environment as a means to engage the city and enhance ministry opportunities. Discussion centers on physical, sensory indicators of community needs and resources. The goal is to more adequately contextualize Christian urban ministry. Topics include community mapping, needs assessment, resource identification, measurement of change, and strategic ministry development. Course work is taught at a graduate level, but undergraduates are welcome. *Offered at the Bresee Institute in Los Angeles.*

**CMIN 488 Topics in Urban Ministry (3)**

Students study current topics important to those interested in urban ministry. The course has a seminar format and is taught in the context of a number of urban sites in Los Angeles. Some of the topics covered include street ministry, peace and justice, ethnic diversity, homelessness, immigration, and community development.

**CMIN 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**CMIN 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**GMIN 529 City in Theological Perspective (4)**

Students examine theological perceptions of the city, with an emphasis on ministry in and to the polis. Requires departmental approval for an undergraduate to take this graduate course.

**Philosophy****PHIL 210 Philosophical Foundations of Western Thought (3)**

Students explore the intellectual background of Western tradition. Special emphasis is placed on the influence of philosophical concepts on the development of religious, political, economic, and social structures in Western culture. *Meets the general studies core requirement in Heritage and Institutions.*

**PHIL 220 Introduction to Philosophy (3)**

This course helps students understand the world better by studying significant interpretations of self, the world, and God that have been offered by thinkers, past and present—the major concerns of philosophy. *Meets general studies core requirement in Heritage and Institutions.*

**PHIL 300 Ethics (3)**

The basic principles of ethical conduct are examined, as applied to personal and social problems. The chief theories of the "good life" are investigated, with special attention given to the principles underlying a consistent ethical outlook on life.

**PHIL 310 History of Ancient and Medieval Philosophy (3)**

Students explore the development of philosophy from its early beginnings in Greece to Thomas Aquinas and William of Occam at the close of the Middle Ages. Special attention is given to the Socratic, Platonic, and Aristotelian contributions to the field.

**PHIL 315 Comparative Religions (3)**

This course embraces a study of the great religious systems of the world, including the worship of the most primitive groups, as well as the religions of ancient Egypt, Greece, Mesopotamia, and Rome. It reviews the various religions of the present world, including Buddhism, Confucianism, Hinduism, Islam, Judaism, Shintoism, Taoism, and Christianity.

**PHIL 320 History of Modern Philosophy (3)**

The development of philosophy, from the Renaissance through the Enlightenment to the present time, is covered in this course.

**PHIL 330 Principles of Correct Thinking (3)**

Students study the principles of logic with some attention to semantics and the philosophy of language. They are encouraged to use logic as an aid in evaluating arguments offered in books

and periodicals and to test the validity and clarity of their own reasoning.

**PHIL 340 Concepts of Human Nature (3)**

This course explores the significant questions concerning human nature. Special emphasis is placed on philosophical, psychological, and sociological theories of the uniqueness of human activity. *Meets the general studies requirement for an upper-division writing intensive course and the core requirement in Identity and Relationships.*

**PHIL 390 Philosophy of Science (3)**

The course explores the nature of scientific method and knowledge and the character of scientific explanations. Ways in which ethics and religion interrelate with the sciences are also covered. *Meets general studies elective in Nature. Prerequisite: one lab science*

**PHIL 410 Philosophy of Religion (3)**

Religious experience is studied from the standpoint of philosophy. An examination is made of the contributions of philosophy to religion and religion to philosophy.

**PHIL 420 Seminar in Philosophy (3)**

Students are assisted in relating philosophical insights to current moral, political, religious, and social issues. Each seminar offers an area of emphasis for study, such as values or the future.

**PHIL 470 Religious Development of Israel (3)**

This course offers a critical analysis of the development of Israel's religious consciousness. Attention is given to the sociocultural background of Israel. *Prerequisite: UBBL 100*

**PHIL 496 Senior Seminar: Social Ethics (3)**

This course considers ethical issues in the modern world from a Christian perspective. Included is an examination of options in ethical theory, biblical ethics, and professional responsibility. *Meets the general studies requirement of a senior seminar in God's Word and the Christian Response.*

**PHIL 496 Senior Seminar: Professional Ethics (3)**

This course offers the student philosophical and theological resources to assist in carrying out ethical reflection about the role of professions and the actions of professionals in society. *Meets the general studies requirement of a senior seminar in God's Word and the Christian Response.*



*Prerequisites: senior standing; completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

**PHIL 496 Senior Seminar: Worldviews (3)**

This senior-level course prepares the student to understand and express a Christian perspective in the contemporary world. *Meets the general studies requirement of a senior seminar in God's Word and the Christian Response. Prerequisites: senior standing; completion of the majority of the units required for God's Word and the Christian Response; and completion of the majority of course work in the major*

**PHIL 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**PHIL 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**Theology**

**THEO 303 Theology and the Christian Life (3)**

The course provides an introduction to the doctrines of the Christian Church, focusing on the Christian life and its relationship to theology. The course approaches theology from an inductive method in the Wesleyan tradition, helping the student learn to think theologically from the Scriptures, orthodox ecumenical tradition, experience, and reason. *Meets general studies core doctrine requirement for God's Word and the Christian Response. Prerequisite(s): three units of biblical studies and CMIN 108, or instructor's permission*

**THEO 353 Church History (3)**

A study of the major developments in the history of Christianity. Emphasis is placed on the growth of Christian doctrine. *Meets general studies core doctrine requirement for God's Word and the Christian Response.*

**THEO 363 Contemporary Christian Thought (3)**

Recent Christian thinking concerning the important issues facing the Church in the modern world are explored. Emphasis is placed on the 20<sup>th</sup> century and today's Western, post-Christian culture. *Meets general studies core doctrine requirement for God's Word and the Christian Response.*

**THEO 405 Practical Theology—Practicum I (3-4)**

This course develops a student's ability to blend Christian theology and Christian practice by integrating classroom learning, hands-on practice, spiritual formation, mentoring, and critical reflection on the practice of the Christian faith. Course work covers: biblical and theological foundations of Christian practice, the context in which the Christian faith is to be practiced; and the dynamic relationship between the two. Students are required to serve a minimum of 10 hours per week in hands-on field experience. Students must also participate in small groups for reflection, mentoring, and spiritual formation. *Prerequisites: CMIN 108, THEO 303, and at least two general studies Bible courses*

**THEO 410 Practical Theology—Practicum II (3-4)**

This course is a continuation of the first semester and has a similar format in terms of classroom experience, field experience, and small groups. It further develops a student's ability to blend Christian theology and ministry by: assisting in the development of a method of reflecting theologically on the practice of Christian faith, and facilitating the ability to clearly state and defend one's own theology for Christian ministry. Students are required to serve a minimum of 10 hours per week in hands-on field experience. *This is an upper-division writing intensive course. Prerequisite: THEO 405*

**THEO 422 Individual and Society (3)**

Awareness of today's cultural and social condition and responsibility to that environment are studied in connection with biblical teachings and insights projected by psychological and social scientists. Key emphasis is placed on individuals' roles as religious beings.

**THEO 440 Christian Ethics from a Wesleyan Perspective (3)**

Students explore aspects of John Wesley, his thought regarding personal and social ethics. Wesley's concern for purity of heart (sanctification), love for one's neighbor, the use of money, responsibility toward the poor and disenfranchised, and other social issues are emphasized. Wesley's views are critiqued from a biblical perspective, and applications for today discussed. Wesley's approach to Christian ethics is compared with other classic approaches.

**THEO 453 Denominational History, Polity, and Doctrines (1-3)**

Students explore the history, development of leadership, teachings, and organizational dynamics of one of the following denominations: the Friends, the Church of God, the Free Methodists, the Wesleyan Church, and the Worldwide Church of God.

**THEO 490 Topics in Systematic Theology (3)**

Current topics of importance and interest to students of systematic theology are studied. The course has a seminar format. *Prerequisite: religion major or minor, or instructor's permission*

**THEO 496 Senior Seminar: Theology and Social Issues (3)**

A senior seminar for those who wish to further their understanding of an important issue facing Christians today. The course consists of a seminar format, including a major paper and oral presentation. Students combine Christian theology, biblical studies, and ethics to examine various ways in which the Christian faith can be lived out today. *Meets the general studies senior seminar requirement.*

**THEO 497 Readings (1-4)**

This is a program of study concentrating on assigned readings, discussions, and writing arranged between and designed by a student of upper-division standing and a full-time professor.

**THEO 498 Directed Research (1-4)**

This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*

**Biblical Studies**

**UBBL 100 Introduction to Biblical Literature: Exodus/Deuteronomy (3)**

This course introduces Old Testament biblical literature, hermeneutics, and inductive methodology with primary focus on the books of Exodus and Deuteronomy. Students learn to observe the overall structure of these books, the historical settings, and modern approaches to their literary analysis. Students learn to interpret individual texts within each book. Students study how Deuteronomy uses the material of Exodus to communicate God's Word to a new generation. *Meets general studies core requirement for God's Word and the Christian Response.*

**UBBL 230 Luke (3)**

This course introduces New Testament biblical literature, hermeneutics, and inductive methodology with a primary focus upon the gospel of Luke. Special attention is given to the text with regard to its political, cultural, religious, and geographical setting and literary genre. *Meets general studies core requirement for God's Word and the Christian Response. Prerequisite: UBBL 100 or instructor's permission*

**UBBL 310 I and II Samuel (3)**

Students study the books of 1 and 2 Samuel, giving special attention to the text with regard to its political, cultural, religious, and geographical setting and the literary genre. *Meets general studies core requirement for God's Word and the Christian Response. Prerequisite(s): completion of UBBL 100- and 200-level general studies requirements; or instructor's permission*

**UBBL 311 Hebrew Prophets I (3)**

This course offers a critical and exegetical study of the pre-exilic prophets, with special consideration given to the social, political, and religious conditions of their times. Attention is given to the ministry and message, both for their time and the present age. *Meets general studies core requirement for God's Word and the Christian Response. Prerequisite(s): completion of 100- and 200-level general studies requirements; or instructor's permission*

**UBBL 320 Hebrew Poetical and Wisdom Literature (3)**

Students undertake an advanced study of Hebrew poetry and wisdom literature. Attention is given to the development of the literature as well as an investigation of each book's composition. *Meets general studies core requirement in God's Word and the Christian Response. Prerequisite(s): completion of 100- and 200-level general studies requirements; or instructor's permission*

**UBBL 330 Life and Teachings of Jesus (3)**

The life, ministry, and teachings of Jesus Christ are the focus of this course. Special attention is given to the content of the synoptic gospels as well as the social, political, and religious conditions of the time. *Meets general studies core requirement for God's Word and the Christian Response. Prerequisite(s): completion of 100- and 200-level general studies requirements; or instructor's permission*

**UBBL 331 Acts (3)**

The emergence of the early Christian Church, as recounted in the Acts of the Apostles, is the focus of this course. Attention is given to the historical context of the work, the literary techniques employed by the author, and the abiding theological lessons for Christian faith and practice today. *Meets general studies core requirement for God's Word and the Christian Response. Prerequisites: Completion of 100- and 200-level general studies requirements*

**UBBL 340 Romans and Galatians (3)**

This course provides an analytical, exegetical, and expositional study of the biblical text and organized consideration of the doctrines of sin, justification, sanctification, law, and grace. This course includes expository application of the believer's obligations to God, the government,

and fellow human beings. *Meets general studies core requirement for God's Word and the Christian Response. Prerequisite(s): completion of 100- and 200-level general studies requirements; or instructor's permission*

**UBBL 341 Thessalonian and Corinthian Epistles (3)**

Paul's letters to the churches at Thessalonica and Corinth are studied, with attention given to the nature of Paul's ministry and the doctrinal and practical issues he addressed. *Meets general studies core requirement in God's Word and the Christian Response. Prerequisite(s): completion of 100- and 200-level general studies requirements; or instructor's permission*

**UBBL 343 The General Epistles (3)**

This course covers Hebrews, James, I and II Peter, and Jude as they relate to the theological and ethical content of Christianity. *Meets general studies core requirement in God's Word and the Christian Response. Prerequisite(s): completion of 100- and 200-level general studies requirement; or instructor's permission*

**UBBL 350 Geographical and Historical Setting of the Bible (3)**

This comprehensive course of study emphasizes the geography, history, and archaeology of Israel in biblical times, as well as introduces the post-biblical history of the land, the Holocaust, and the complex social issues facing the modern nation of Israel. The course may include a 10-day tour of the Bible lands. *Meets general studies requirement for God's Word and the Christian Response.*

**UBBL 410 Hebrew Prophets II (3)**

This course offers a critical and exegetical study of the exilic and post-exilic prophets, with special consideration given to the social, political, and religious conditions of their times. Attention is given to their ministry and message, both for their time and the present age. *Prerequisite: completion of a 300-level Old Testament course or instructor's permission*

**UBBL 430 Johannine Literature (3)**

Johannine theology, as found in the gospel and epistles of John, is the basis of this course. Special attention is given to John's concept of God, the logos, the Spirit, life, light, love, and knowledge. John's treatment of the gnostic problem is studied. This is an upper-division writing

intensive course. *Prerequisite: completion of a 300-level New Testament course or instructor's permission*

**UBBL 442 Prison and Pastoral Epistles (3)**

This course is a study of Paul's theology as revealed in these two groups of letters. Special attention is given to Paul's Christology and ecclesiology and their practical relevance for the contemporary Church. *Prerequisite: completion of a 300-level New Testament course or instructor's permission*

**UBBL 450 Ancient Near Eastern History (3)**

Ancient Near Eastern world's history and culture are studied. This course includes events from the rise of the Sumerians to the division of Alexander's empire. Special attention is directed to the Sumerians, Hittites, Egyptians, Assyrians, Phoenicians, and Hebrews and their contributions to present day culture. *Meets the general studies requirement of an upper-division writing intensive course. Prerequisite: completion of a 300-level Old Testament course or instructor's permission*

**UBBL 451 Greco-Roman World (3)**

The Greco-Roman world, from the time of Alexander the Great to Marcus Aurelius, is covered. Attention is given to historical geography, politics, society, religious movements, and intellectual currents through the study of primary texts as well as secondary studies. *Prerequisite: HIST 120, UBBL 230, UBBL 331, or instructor's permission*

**UBBL 460 Theology of the Old Testament (3)**

The basic theology of the Old Testament, including the subjects of God, revelation, humanity, redemption, and the Messiah, is covered in this course. *Meets general studies core requirement in God's Word and the Christian Response. Prerequisites: UBBL 100, and a 300-level Old Testament course or instructor's permission*

**UBBL 461 Theology of the New Testament (3)**

This course is a study of the theology of the New Testament in its own historical setting, categories, and thought forms and on its own terms. The course describes what the New Testament's major authors (Matthew, Mark, Luke, John, and Paul) said about God, Jesus Christ, the Holy Spirit, the Church, last times, etc. Special attention is given to methodology and the inductive investigation by the student

of theological themes. *Meets the general studies core requirement for God's Word and the Christian Response. Prerequisite: completion of a 300-level New Testament course or instructor's permission*

**UBBL 470 The Religious Development of Israel (3)**

Students undertake a critical analysis of the development of Israel's religious consciousness. Attention is given to the sociocultural background of Israel. *Prerequisites: UBBL 100 and UBBL 310 or instructor's permission*

**UBBL 471 History of Biblical Interpretation (3)**

This is an upper-division humanities course that introduces the student to the rich history of the interpretation of biblical writings. The focus rests on the ways in which the various faith communities, Jewish as well as Christian, received the writings, rendered them comprehensible and relevant to contemporary concerns, and passed them on to subsequent generations. The chronological range covered by this course begins during the biblical period itself and extends to the present day. *Prerequisite: completion of a 300-level Old Testament or New Testament course or instructor's permission*

**UBBL 472 Biblical Apocalyptic (3)**

Students learn about the rise and development of the apocalyptic literature during the Old Testament, intertestamental, and New Testament periods. Special attention is given to Daniel, Mark 13, Thessalonians, and Revelation. *Prerequisite: completion of a 300-level New Testament course or instructor's permission*

**UBBL 497 Readings (1-4)**

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This course provides instruction in research design and technique, and gives students experience in the research process. The one-unit expectation encompasses no less than 30 hours work with accompanying reading, log, writing, and seminar presentation within the department or in a university research symposium. No more than one unit may be used to fulfill preparatory readings requirement. *Prerequisite: junior or senior standing*



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# Administration and Faculty

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**Academic Calendar 1999-2000****Semester Session****Fall 1999**

Monday, August 2	Undergraduate Preregistration Student Bill Due
Thursday, September 2	Residence Halls Open
Saturday-Tuesday, September 4-7	Undergraduate New Student Orientation
Monday-Tuesday, September 6-7	Undergraduate Registration (mandatory for all)
Tuesday, September 7	Independent Study Proposals Due for Fall Term
Wednesday, September 8	Fall Classes Begin
Wednesday-Friday, September 8-10	Late Registration (late fee)
Friday, September 10	Last Day to Register
Friday, September 17	Last Day to Add or Drop Classes
Friday-Sunday, October 15-17	Family Weekend
Friday, October 22	Dinner Rally
Saturday, October 23	Homecoming
Tuesday-Friday, October 26-November 12	Academic Advising
Friday, October 29	Vacation Day for Undergraduate Students
Tuesday-Thursday, November 2-18	Undergraduate Preregistration for Spring 2000
Wednesday, November 17	Last Day to Withdraw from Classes
Thursday-Sunday, November 25-28	Thanksgiving Vacation
Monday, November 29	Classes Resume
Wednesday, December 1	Undergraduate Preregistration Student Bill Due for Spring Semester
Monday-Friday, December 13-17	Final Examinations
Friday, December 17	Undergraduate Winter Commencement
Wednesday, December 22	Fall Grades Due for Full Semester

**Semester Session****Spring 2000**

Wednesday, December 1, 1999	Undergraduate Preregistration Student Bill Due
Wednesday, January 5, 2000	Residence Halls Open
Thursday, January 6	Undergraduate New Student Orientation
Friday, January 7	Undergraduate Registration (mandatory for all)
Friday, January 7	Independent Study Proposals Due for Spring Term
Monday, January 10	Spring Classes Begin
Monday-Wednesday, January 10-12	Late Registration (late fee)
Wednesday, January 12	Last Day to Register
Monday, January 17	Martin Luther King, Jr. Holiday
Wednesday, January 19	Last Day to Add or Drop Classes
Friday, February 18	Presidents' Day Holiday
Monday-Friday, February 28-March 17	Academic Advising
Wednesday, March 1	Common Day of Learning
Monday-Friday, March 6-17	Undergraduate Preregistration for Fall 2000
Thursday, March 30	Last Day to Withdraw from Classes
Saturday-Monday, April 15-24	Easter Vacation
Tuesday, April 25	Classes Resume
Friday, April 28	Senior Convocation
Monday-Friday, May 1-5	Final Examinations
Saturday, May 6	Spring Commencement
Friday, May 12	Spring Grades Due for Fall Semester

**Undergraduate May Term (four weeks)****Summer Intensive Term, 2000**

Monday-Friday, March 20-May 5	Registration
Monday, May 8	Summer Intensive Classes Begin
Monday-Tuesday, May 8-9	Late Registration (late fee)
Tuesday, May 9	Last Day to Register
Tuesday, May 9	Last Day to Add or Drop Classes
Friday, May 19	Last Day to Withdraw from Classes
Monday, May 29	Memorial Day Holiday
Thursday, June 1	Summer Intensive Term Classes End
Friday, June 2	Final Examinations
Friday, June 9	Summer Intensive Term Grades Due

**Undergraduate Summer Terms (six weeks)****Summer I, 2000**

Monday-Friday, March 20-May 5	Registration
Monday, May 8	Undergraduate Summer I Classes Begin
Monday, May 8	Independent Study Proposals Due for Summer I
Monday-Tuesday, May 8-9	Late Registration (late fee)
Tuesday, May 9	Last Day to Register
Wednesday, May 10	Last Day to Add or Drop Classes
Monday, May 29	Memorial Day Holiday
Monday, June 5	Last Day to Withdraw from Classes
Thursday, June 15	Undergraduate Summer I Classes End
Friday, June 16	Final Examinations
Friday, June 23	Undergraduate Summer I Grades Due

**Summer II, 2000**

Monday-Friday, March 20-June 16	Registration
Monday, June 19	Undergraduate Summer II Classes Begin
Monday, June 19	Independent Study Proposals Due for Summer II
Monday-Tuesday, June 19-20	Late Registration (late fee)
Tuesday, June 20	Last Day to Register
Wednesday, June 21	Last Day to Add or Drop Classes
Tuesday, July 4	Independence Day Holiday
Monday, July 17	Last Day to Withdraw from Classes
Wednesday, July 26	Undergraduate Summer II Classes End
Thursday, July 27	Final Examinations
Friday, July 28	Summer Commencement
Thursday, August 3	Undergraduate Summer II Grades Due

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