Taylor University operates undergraduate liberal arts programs on two campuses, one in Upland, Indiana, and the other in Fort Wayne, Indiana. Together with the Student Life Handbook, which is published annually, this catalog is the official bulletin of Taylor University Upland.

A separate catalog describing the programs offered at Taylor University Fort Wayne is available. The traditional program offers bachelor of arts, bachelor of science, and associate of arts degree programs. The College of Adult and Lifelong Learning, which includes the World Wide Campus, offers credit and noncredit courses as well as on-line degree programs. These programs primarily serve adult learners through continuing and distance education offerings.

For a copy of the Taylor Fort Wayne catalog, application forms, or further information, contact the Office of Admissions, Taylor University Fort Wayne, 1025 West Rudisill Blvd., Fort Wayne, IN 46807 or call 219-456-2111 or 1-800-233-3922. Information may also be obtained by visiting the Taylor University Fort Wayne admissions home page at www.tayloru.edu/adm/fw.
There are those who seek knowledge for the sake of knowledge, that is curiosity.

There are those who seek knowledge to be known by others, that is vanity.

There are those who seek knowledge in order to serve, that is love.

Bernard of Clairvaux (1090-1153)
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TAYLOR UNIVERSITY

OUR HERITAGE, MISSION, AND LIFE TOGETHER
A HERITAGE EXCEEDING 150 YEARS

The year 2000 marked the 154th anniversary of the founding of Taylor University in 1846. During the year of 1846, the United States annexed New Mexico as a territory, admitted Iowa as the 29th state in the Union, and declared war on Mexico. Electric arc lighting was introduced in Paris, and Elias Howe in America patented the sewing machine. John Deere constructed the first plow with a steel moldboard. During the same year, an American dentist W. T. Morton introduced ether as an anesthetic. In the literary world, Henry Wadsworth Longfellow published "The Belfry of Bruges" and Herman Melville published "Typee." In London, Charles Dickens introduced the first cheap English newspaper, the Daily News, and the Evangelical Alliance was founded. In Ireland the failure of the potato crop caused a famine, which would send thousands of Irish immigrants to America. Also in 1846, the Smithsonian Institute was established in Washington D.C., and certain political and religious movements in America gained momentum in advocating the emancipation of black slaves and promoting expanded rights for women.

Forged in the fire of intense religious beliefs, Taylor University was destined to become one of the oldest evangelical Christian colleges in America. Conceptualized with the conviction that women as well as men should have an opportunity for higher education, Taylor University began as Fort Wayne Female College in Fort Wayne, Indiana, and then became Fort Wayne College. Following the example of Oberlin College (which became the first coeducational college in America and the first to award college degrees to women in 1841), Fort Wayne College became coeducational in 1855. In 1890, the school merged with the Fort Wayne College of Medicine and changed its name to Taylor University in honor of Bishop William Taylor. In 1893, because of the population boom in the central part of the state, Taylor University moved to Upland, Indiana. Nearly 100 years later in 1992, Taylor University reestablished its presence in Fort Wayne by acquiring Summit Christian College. (Summit had started in 1895 with the sponsorship of the Missionary Church Association and the spiritual leadership of Joseph P. Ramseyer and Daniel Y. Schultz.) Since 1992, Taylor University has operated two campuses in Indiana: Taylor University Upland and Taylor University Fort Wayne.

Bishop William Taylor became a symbol of the values and ideals of the college. William Taylor was an energetic missionary evangelist possessed with unusual vitality of commitment and devotion. His voluminous writings — including many books on preaching and missions — and extensive worldwide missionary endeavors resulted in his being the first lay pastor to be named a Bishop of the Methodist Church.

With this heritage, Taylor University entered the twentieth century. Taylor University's historian, Dr. William Ringenberg, noted, "The intellectual revolution at the turn-of-the-century cracked the spiritual foundations of major universities" in America by challenging the role of the Christian worldview. "This, coupled with the dehumanizing of education" and the unrest caused by "the inability of secular education to guide students in their quest for meaning" helped to further shape, strengthen, and define Taylor's Christian educational mission.

For 154 years, Taylor has been faithful to that mission.

As we enter the next millennium, the institution's administration, faculty, staff, and students stand committed to our heritage of Christian commitment and academic excellence.

A CHRISTIAN LIBERAL ARTS COLLEGE

Taylor University is an evangelical, independent, interdenominational Christian liberal arts college where faith, living, and learning are integrated. The Taylor University Upland student body of over 1,800 is divided almost equally between men and women who come from 48 states and 18 foreign countries.

Taylor is distinctive in its commitment to both spiritual and intellectual development as symbolized by the twin spires of the Rice Bell Tower. The carillon bells, given in honor of Barbara Gentile, remind the campus community of its dual mission throughout the day.

Academic pursuits at Taylor are rigorous, demanding imagination, dedication, and integrity from both students and faculty. As a Christian institution, Taylor University has concerned, competent faculty who recognize that all truth has its source in God. The students' quest for truth begins with this conviction and relates to all aspects of the liberal arts curriculum.

The Upland campus of Taylor University consists of approximately 250 acres located on the south side of the town of Upland, Indiana. Upland is situated five miles east of I-69, fifty miles south of Fort Wayne, and seventy miles north of Indianapolis. Sixteen major buildings have been added to the Upland campus since 1968. Major remodeling and restoration of other facilities continue to take place in order to achieve maximum utilization and quality maintenance.

MISSION AND PURPOSES

Taylor University is an interdenominational evangelical Christian institution educating men and women for lifelong learning and for ministering the redemptive love of Jesus Christ to a world in need. As a Christian community of students, faculty, staff, administration, and trustees committed to the Lordship of Jesus Christ, Taylor University offers post-secondary liberal arts and professional education based upon the conviction that all truth has its source in God.

In order to advance this mission, Taylor University is committed to the following purposes:

- To involve students in learning experiences imbued with a vital Christian interpretation of truth and life that foster their spiritual, intellectual, emotional, physical, vocational, and social development.
- To educate students to recognize that all truth is God's truth and that the Christian faith should permeate all learning, leading to a consistent life of worship, service, stewardship, and world outreach.
- To create specific experiences wherein the integrative focus of the
Christian liberal arts education is clarified, personalized, and applied.

- To foster a biblical model of relationships that acknowledges both unity and diversity of the followers of Christ and that can be evidenced in a continuing lifestyle of service to and concern for others.

- To contribute to the advancement of human knowledge and understanding, and serve the evangelical Christian church and the larger public community for the glory of God.

- To build maximum program effectiveness by maintaining appropriate support service, by consistently studying and improving all university operations, and by fostering mutually beneficial relationships between and among students, faculty, staff, administration, and trustees.

Implementation of the Mission and Purposes

Taylor University carries out its mission and purposes through the operation of educational programs centered on two campuses. All Taylor University programs hold to a Christian worldview and are characterized by the integration of faith and learning.

Taylor University Upland serves Christian men and women in a community that consists largely of traditional college students living in a residential campus setting and pursuing baccalaureate-level degree programs.

Taylor University Fort Wayne uses traditional and alternate delivery systems to serve both traditional students and adult learners in educational programming that results in baccalaureate degrees, associate degrees, certificates of completion, and continuing education. In the nontraditional adult programs, enrollment opportunities are extended to qualified individuals who respect, but may not personally embrace, the university's statement of faith.

Statement of Faith

Taylor University is firmly committed to evangelical Christianity. To assure the central place of Christian principles in the philosophy and life of the university, the trustees, administration, and faculty believe that

1. God is the ultimate creator and sustainer of all things in heaven and on earth;

2. The Holy Bible is the inspired, authoritative, written word of God, progressively revealing God's will for humankind who, though created by God in His image, rebelled and needs redemption;

3. Jesus Christ is the Living Word of God, Who made known God's plan for redemption in His virgin birth, sinless life, atoning death, bodily resurrection, and ascension; and Who will return in power and glory;

4. The Holy Spirit is God present in the life of the believer, testifying to the Lordship of Christ and enabling the believer to live a godly life; and

5. The church is the community of believers who express their unity in Christ by their love for Him, for each other, and for all humankind.

THE LIFE TOGETHER COVENANT

Taylor University is a community of Christians who have joined together for the purpose of academic progress, personal development, and spiritual growth. Participation in the university community is based on the foundation of our commitment to the Lordship of Jesus Christ. Together we seek to honor Him by integrating faith and learning while our hearts and lives reflect the process of maturing in Christ.

The purpose of this covenant is to identify the expectations for participation in our community that assist us in living together and in meeting institutional objectives. We acknowledge that it is impossible to create a community with expectations that are totally acceptable to every member. Nevertheless, certain expectations must be specified to assure orderly community life. When individuals join the Taylor community, they freely and willingly choose to take upon themselves the responsibilities outlined in this covenant.

Assumptions

Community life at Taylor University is based upon the following beliefs:

1. Loving God and being accountable to Him are the primary motivations for Christian relationships and behavior.

2. The Bible is our authority; it provides the essential teachings and principles for personal and community conduct.

3. God, through the Holy Spirit, places in every believer the inner resources and attributes to minister to others through supportive relationships.

Responsibilities for Relationships

Living in daily fellowship with other Christians is a privilege and an expression of God's grace. In recognition of this privilege, great value is placed on the quality of relationships in our community. We acknowledge that we are living in a fellowship where we are dependent on and accountable to one another. The New Testament word for fellowship is koinonia. It is translated as partner, communion, communication, contribution, or distribution. Members, therefore, are encouraged to seek as many opportunities as possible to demonstrate koinonia.

Within our community, the greatest expression of fellowship and the highest principle for relationships is love. As Scripture states: We should love one another. This is how we know what love is: Jesus Christ laid down His life for us. And we ought to lay down our lives for our brothers... (John 3:16, 18, 1 John 4:11, 21 NKJV).

For the purpose of our community we have identified the following specific expressions of love as being among the most desirable in our relationships.

Edification

We expect each member of the community to strive consciously to maintain relationships that support, encourage, and help others. According to Scripture: We who are strong ought
to bear with the failings of the weak and not to please ourselves. Each of us should please his neighbor for his good, to build him up (Romans 15:1-2 NIV).

**Bearing with One Another**

Because of our humanness, difficulties in relationships can occur. In such cases, we are to respond as the Scripture states: . . . clothe yourselves with compassion, kindness, humility, gentleness and patience. Bear with each other and forgive whatever grievances you may have against one another (Colossians 3:12, 13a NIV).

**Burden Bearing**

We are responsible to come alongside those experiencing grief, discouragement, illness, tragedy, or other personal trials. Expressions of bearing one another’s burdens include comfort, encouragement, consolation, and intercession.

**Speaking the Truth in Love**

Speaking the truth to each other with love can strengthen a community such as ours. Problems in relationships and behavior can be resolved constructively by confronting one another in an appropriate spirit. If the welfare of the one being confronted is paramount and if the confronter is acting in love, the process can produce growth.

**Reconciliation, Restoration, and Restitution**

Healing broken relationships is necessary for a healthy community. When relationships have been harmed, regardless of the reason, individuals are expected to reach out to one another, to forgive one another, to restore relationships, and to make restitution. II Corinthians 5:18-19 NIV states: . . . and He (Christ) gave us the ministry of reconciliation . . . and He has committed to us the message of reconciliation.

Implementing the above expressions of love in relationships requires continual effort and sensitivity to others. Relationships of this quality honor God, enrich our lives, and assist in meeting the goals of the university.

**Biblical Responsibilities for Behavior and Attitudes**

Scripture teaches that certain attributes are available to individuals through the Holy Spirit. These attributes include: ... love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control. Against such things there is no law (Galatians 5:22-24 NIV). This “fruit of the Spirit” is to be sought, encouraged, and demonstrated in our relationships.

In contrast to encouraging these positive attributes of the heart, Scripture condemns attitudes such as greed, jealousy, pride, lust, and hatred. Although these attitudes are sometimes difficult to discern, they can hinder relationships with God and others and lead to unacceptable behavior.

Certain behaviors are expressly prohibited in Scripture and therefore should be avoided by members of the university community. They include theft, lying, dishonesty, gossip, slander, backbiting, profanity, vulgarity (including crude language), sexual promiscuity (including adultery, homosexual behavior, and premarital sex), drunkenness, immodesty of dress, and occult practices.

In keeping with scriptural admonitions to bring ourselves under the authority of government, members of the Taylor University community are expected to uphold the laws of the local community, the state of Indiana, and the nation. An exception would be those rare occasions in which obedience to the civil authorities would require behavior that conflicts with the teaching of Scripture. On such occasions, each individual would submit voluntarily to the civil penalty for this behavior. Behavior resulting in civil arrest on or off campus is subject to review within the university’s disciplinary procedures.

**University Expectations for Behavior and Attitudes**

In addition to subscribing to biblical expectations, members of the Taylor University community voluntarily commit themselves to the following standards of behavior. This commitment results from the conviction that these standards serve the good of the individual as well as the institution. These standards are not set forth as absolutes or as an index of Christian spirituality but rather as expectations of this community. Because of the importance of trust in and responsibility to one another, violations of these standards are regarded as a serious breach of integrity within the community.

The following standards apply to students, faculty, and administrators at Taylor University:

1. Members of the community are to observe the Lord’s Day (Sunday) as a day set apart primarily for worship, fellowship, ministry, and rest. While activities such as recreation may be a part of the day, “business as usual”
relative to university programs and services will not be sanctioned or encouraged except where absolutely necessary.

2. Corporate worship, fellowship, and instruction are essential for our community. Therefore, students, faculty, and administrators are expected to attend chapel. Regular attendance is understood as a mature response to our community goals. The attendance policy is not a voluntary one; it is dependent upon individual honor and allows three or fewer absences each term. In addition, members of the community are encouraged to participate in university-related religious activities as well as those of their own church.

3. The community recognizes the danger to one's physical and psychological well being in the use of certain products. Therefore, members of the community are to refrain from the use of tobacco in any form, alcoholic beverages, hallucinogenic drugs and substances (including marijuana), or narcotics not authorized by a physician. Under no circumstances are the above to be used, possessed, or distributed on or away from campus. Members are expected not to abuse the use of legal substances.

4. Gambling (exchange of money and goods by betting or wagering) is viewed as an unwise use of God-given resources and therefore is not acceptable in any form.

5. In order to enhance and preserve the ethos of Taylor University, social dancing by community members is not permitted on or away from campus. However, acceptable forms of expression by the university may include sanctioned folk dances, ethnic games, and dances that are designed to worship God. The use of choreography in drama, musical productions, and athletic events is also acceptable.

6. Because of our concern for the worth and dignity of persons, each member of the community is expected to be sensitive to special needs existing in our society and on our campus. Therefore, discrimination against others on the basis of race, national origin, sex, or disability is not acceptable.

7. Any kind of demeaning gesture, threat of violence, or physical attack directed toward another person will not be tolerated. Vandalism of property is also unacceptable.

8. The university urges its members to be selective in their choices of entertainment and recreation. Activities and entertainment that are of questionable value or diminish a person's moral sensitivity should be avoided.

9. The pornography industry exploits people. Further, the use of the industry's products is immoral. Therefore, pornographic materials are not to be used, possessed, or distributed on or away from campus.

10. Consideration for others and standards of good taste are important to Taylor; therefore, all activities should be limited by this principle.

11. Members of the community are subject to the demands of academic integrity, such as honesty and giving credit to sources.

12. Compliance with day-to-day policies and procedures of the community is expected from members. These routine items are listed in the Student Life Handbook, the university catalog, and the Taylor University Faculty and Administrative Staff Handbook.

Conclusion

The intent of this covenant is to identify expectations that assist Taylor University in functioning as a Christian community and in achieving its goals as an institution of higher learning. The covenant addresses relationships and behavior; these emphases are parallel and vital to the quality of our experience together. The behavioral portion of the covenant includes standards that are specific to the university. These standards are important to our community and must be consistently maintained to assure a proper climate for learning. Nevertheless, these standards must be kept in perspective with the biblical responsibilities for relationships and behavior.

The book of Colossians provides an appropriate summary of the goals for our community. Therefore, as God's chosen people, holy and dearly loved, clothe yourselves with compassion, kindness, humility, gentleness and patience. Bear with each other and forgive whatever grievances you may have against one another. ... And over all these virtues put on love, which binds them all together in perfect unity. Let the peace of Christ rule in your hearts, since as members of one body you were called to peace. ... Let the word of Christ dwell in you richly as you teach and admonish one another ... And whatever you do, whether in word or deed, do it all in the name of the Lord Jesus, giving thanks to God ... (Colossians 3:12-17 NIV).

All students (single and married) are responsible for implementing the relational and behavioral expectations listed above when the university is in session (beginning of first semester through the end of second semester and/or summer sessions), when they are part of a university program, and/or when they are living in university-approved housing.

Because the policies of the university are not intended to infringe upon the government of the home, students who are in the presence of their parents/guardians are assumed to be part of the family unit and under the direction of their parents/guardians. Students who
commute from the home of their parents/guardians are expected to abide by these policies except when university regulations conflict with the governance of the home.

Employees of the university are responsible to abide by the Life Together Covenant.

**Multicultural Philosophy Statement**

We believe in equality of all people as imbedded in biblical teachings and as an integral part of Christian commitment. We acknowledge that this is affirmed in the Constitution of the United States of America. We believe in an environment in which people can live and work cooperatively, valuing the multiple cultures from which they have come without violating institutional values. We believe in multicultural education as an interdisciplinary effort to prepare graduates who understand, appreciate, and work effectively with those who are different from themselves. We believe in global interdependence, implying the need to graduate individuals capable of functioning as global citizens.

**Sanctity of Life Statement**

Scripture affirms the sacredness of human life, which is created in the image of God. Genesis 1:27 NIV states: So God created man in His own image, in the image of God He created him; male and female He created them. Therefore, human life must be respected and protected from its inception to its completion.

**ACCREDITATION AND MEMBERSHIPS**

In its academic programs at Fort Wayne and Upland, Taylor University is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools, the Council on Social Work Education, the National Council for Accreditation of Teacher Education, and the Indiana Professional Standards Board. The music program at Upland is also accredited by the National Association of Schools of Music. All accreditation documents are maintained in the Office of Academic Affairs.


**Christian College Consortium**

To provide a variety of professional and academic experiences for faculty and students, Taylor maintains membership in the Christian College Consortium that unites thirteen Christian liberal arts colleges with programs similar to those of Taylor. Included in the consortium are Asbury College, Bethel College, George Fox University, Gordon College, Greenville College, Houghton College, Wheaton College, Malone College, Messiah College, Seattle Pacific University, Trinity International University, and Westmont College.

Of special interest to Taylor students are the opportunities for semester visiting-student options on the other campuses and cooperative off-campus/international programs.

**Council for Christian Colleges and Universities**

Taylor University is one of over ninety colleges and universities who comprise the Council for Christian Colleges and Universities, a Washington, D.C.-based organization founded in 1976. The CCCU's primary focus is to help its member institutions pursue excellence through the effective integration of biblical faith, scholarship, and service. The council sponsors semester programs for qualified upperclassmen from its member schools. These offerings include the American Studies Program in Washington, D.C.; the China Studies Program; the Latin American Studies Program based in San Jose, Costa Rica; the Los Angeles Film Studies Center; the Middle East Studies Program in Cairo, Egypt; the Oxford Honours Programme; the Russian Studies Program in Moscow, St. Petersburg, and Nizhni Novgorod; and the Summer Institute of Journalism in Washington, D.C.
CAMPUS FACILITIES
A brief stroll north from the Bell Tower will reveal the Samuel Morris statues. These statues were designed by Ken Ryden and erected in October 1995. They symbolize the process of enlightenment Morris experienced as he journeyed from being a tribal prince, to a slave, to a student in America with a burden to share the message of God's grace. Through Ryden’s work, Samuel Morris continues to inspire the Taylor community.

Students taking a slight detour from campus will earn a very sweet reward—Ivanhoe’s, the home of 100 different shakes and sundaes. This hometown eatery has been an Upland attraction since 1965.

In addition to these landmarks, the Taylor community provides a variety of living arrangements, a newly remodeled dining hall, and easily accessible academic buildings. The following facilities are part of the Taylor campus.

**FACILITIES**

The *Atterbury Building* has served multiple purposes throughout its history. It is named for Camp Atterbury where it was originally located before it found a permanent home on the campus of Taylor University. At the present time it houses the offices of the social work and sociology departments as well as technical services, which support high tech on campus.

The *Ayres Alumni Memorial Building* is a 19,000-square-foot facility housing the art department. It was named for Burt W. Ayres who served Taylor as professor and administrator for nearly 50 years.

*Bergwall Hall* was named for Evan Bergwall, Sr., president of Taylor University from 1951-59. It was first occupied the fall semester of 1989. Housing 181 students—women on the third and fourth floors, men on the first and second floors—this air-conditioned residence hall functions as a conference center during summer months. Each floor has a lounge and study facilities, and each room has a private bath.

The campus *Bookstore* is located in the student union. It is owned and operated by Taylor University and provides textbooks and other classroom needs. Many other items are available such as clothing, greeting cards, and gifts. The bookstore is also the drop-off and pick-up point for film developing and dry-cleaning services.

The *Boyd Building and Grounds Complex*, built in 1995, is the center of operations for general and vehicle maintenance, housekeeping, building and grounds, and recycling services.
CAMPUS FACILITIES

Campus Safety, built in 1989, serves as the center for emergency communication and campus-wide fire protection, manages campus vehicle registration, and coordinates the campus motor pool program.

English Hall, a women's residence hall housing 232 residents, was opened in 1975 and named for Mary Tower English, wife of one of Taylor's most distinguished graduates. English Hall provides private living room areas for eight women each. This residence is located on the south side of the campus near several other residences and the Haakonsen Health Center.

Ferdinand Freimuth Administration Building, a 14,000-square-foot structure, was first remodeled during 1972. The offices of Academic Affairs and University Development are located on the second floor. Financial Aid, the Registrar's Office, Business Office, and University Relations are on the first floor. The initial remodeling of this building was made possible by a gift from Ferdinand Freimuth, a Fort Wayne philanthropist.

Gerig Hall, constructed in 1971, is a four-story residence hall for 96 students. This structure, consisting of living-study suites, provides the intimacy of apartment-style accommodations with the dynamics of interacting with a larger group of students. The first floor has lounge and office areas. Women are housed on the second and third floors and men on the fourth floor. Gerig Hall is named for Lester Gerig, a long-time trustee and Taylor University benefactor.

Grace Olson Hall, the university's largest residence hall, houses 297 women. Constructed in 1966, the hall is named for Grace D. Olson, distinguished history professor at Taylor.

The Guest House is located behind the Freimuth Administration Building and provides affordable, temporary, on-campus housing for Taylor University guests. It contains three suites, two of which sleep four and one that sleeps two.

Haakonsen Health Center is a 4,000-square-foot facility located on the south side of the campus. This air-conditioned structure was completed in the summer of 1975 and contains 7 beds to accommodate overnight admissions; examining rooms; and a doctor's office. The center was named for Lily Haakonsen, beloved former Taylor nurse.

Helena Memorial Hall, built in 1911, is a 10,000-square-foot, air-conditioned structure that serves as the university welcome center. The building was remodeled in 1987 and houses the Admissions Office and the offices of the provost/executive vice president and the president. Formerly a music building, then an art and theatre building, this structure was named for Mrs. Helena Gehman, an early benefactress of the university.

Hodson Dining Commons is an air-conditioned facility that was built in 1972 and expanded in 2000. It is located on the southwest corner of the campus overlooking Taylor Lake. Named for Arthur and Mary Hodson, Upland philanthropists, this facility serves as the main dining hall for students. With the addition of the Nelle Alspaugh Hodson Banquet Room, the Isely, Heritage, and Braden rooms provide space for special and private group dining.

Morris Hall is the newest residence hall on the Upland campus. It opened in 1998 and accommodates 280 men.
This residence hall was designed and built to service the needs of students with such amenities as air conditioning, laundry facilities, study lounges, social lounges, bicycle storage, and an area for off-season storage. The building is named for Samuel Morris, a former student from Africa whose life story is told in the film "Angel in Ebony."

**Nussbaum Science Center** is named for Dr. Elmer N. Nussbaum, professor of physics at Taylor for 31 years. The science building has been recently updated with new heating, ventilation, air conditioning, lighting, telecommunications, and ceiling system. This 45,000-square-foot structure houses biology, chemistry, computer science, math, and physics classrooms; laboratories; the observatory; faculty lounges; and the computer information services for the university.

The campus **Post Office** is located in the building directly behind the Freimuth Administration Building. The postal service is for the convenience of the university and not part of the U.S. postal operation. Adjoining the post office is the **University Press**, which serves the university's off-set printing, desktop publishing, xerographic, and binding needs. Both publishing and outsourcing of specialized projects are provided.

The **President's Home**, the spacious two-story brick residence of the Taylor University president, graces a rustic wooded area on the northwest corner of the campus.

**Randall Environmental Studies Center** is a state-of-the-art teaching and research facility located at the west edge of campus on the grounds of the university arboretum. It was constructed in 1992 and named for Dr. Walter Randall, a Taylor trustee and former medical professor. The 20,000-square-foot structure serves the needs of the department of environmental science with specialized laboratories equipped for biotic analysis, satellite image retrieval, computer mapping, soil analysis, and plant systematics. A trail system, natural history museum, and greenhouse facilities are also a part of this center. The nearby Avis-Taylor Prairie Restoration Project provides additional teaching and research opportunities.

**Reade Memorial Liberal Arts Center**, named for Thaddeus C. Reade, president of Taylor University 1891-1902, is a 35,000-square-foot, air-conditioned facility containing classrooms, computer lab, faculty offices, and the Educational Technology Center.

**Rediger Chapel/Auditorium**, named in honor of Dr. Milo A. Rediger, former professor, dean, and president of Taylor University, was completed in 1976. This 1500-seat, air-conditioned facility, formerly Maytag Gymnasium, was remodeled through the generosity of many alumni and friends of the university. In addition to its spacious and beautiful auditorium, this building houses the Center for Student Development, which includes Campus Ministries, the Counseling Center, and the Career Development Office.

**Rupp Communication Arts Center** was completed in 1994 and named for Taylor benefactors Ora and Herma Rupp of Archbold, Ohio. This 45,000-square-foot facility houses the communication arts department offices and classrooms, the 320-seat Mitchell Theatre, television and radio studios, a journalism lab, and offices for the campus newspaper and yearbook. It is the second phase of a three-phased fine arts facility.

**Sickler Hall**, the oldest of the three remaining original buildings on the Taylor University campus, was built in 1902 with a gift from the estate of Christopher Sickler, an early Taylor trustee. It was remodeled in 1995. Originally, the building was a residence hall that provided free housing for the children of ministers and missionaries. Subsequently, it served as a science hall and education department center. More recently, it was the location of the communication arts department. Sickler Hall currently houses The William Taylor Foundation and Alumni Relations and includes conference room facilities. The campus Prayer Chapel is located on the main floor and is open 24 hours a day for meditation and prayer.

**Smith-Hermanson Music Center**, a 23,000-square-foot structure, is a sound-proof, air-conditioned facility. Named for Nellie Scudder Smith, a friend of Taylor University, and for former professor of music, Edward Hermanson and his wife, Dr. Louella Hermanson (also a musician), the building houses teaching studios, classrooms, rehearsal rooms, practice rooms, faculty offices, conference rooms, and faculty and student lounges. The 250-seat Butz-Carruth Recital Hall boasts a Boesendorfer...
grand and Steinway pianos and is designed to provide the best possible acoustical qualities.

The Student Union, a dome-shaped, air-conditioned facility, provides space for student activities, the snack bar, and the campus store. The student activities portion, a 100-foot diameter circular area, provides lounge, reading, listening, and recreational space and accommodates the offices of Leadership Development and Student Programs, Taylor Student Organization, Student Activities Council, Multicultural Student Organization, Student Services Council, and Taylor World Outreach.

Swallow Robin Hall is an air-conditioned residence hall that accommodates 72 students. This historic building, first occupied in 1917, was remodeled and restored for occupancy in the fall of 1990. Silas C. Swallow and his wife, whose maiden name was Robin, financed a major portion of the original construction cost for the building and asked that it be named in honor of their mothers.

Taylor Lake, a picturesque eight-acre lake on the Taylor campus, provides swimming opportunities in summer and ice-skating facilities in winter. Part of the lake is used for studies in ecology, and nearby is a wooded picnic area and a prayer deck.

Wengatz Hall, named in honor of Dr. John Wengatz, outstanding Taylor University graduate and pioneer missionary to Africa, is a residence for 285 men. It was constructed in 1965 and includes several lounges and a recreation room.

Zondervan Library was completed and occupied in 1986. The library building was named for Peter J. "Pat" Zondervan and his wife, Mary. Pat Zondervan was co-founder of the Zondervan Corporation, a Christian publishing company.

This 61,000-square-foot building houses more than 184,000 items with room for many more. It also contains seating for more than one-fourth of the student population. An after-hours study room is available off the beautiful walk-through Engstrom Galleria.

Library services are available 85 hours per week. Five librarians provide reference services including basic library instruction, online retrieval assistance, and research consultation.

An automated circulation system and online public catalog provide bibliographic access to the holdings of Zondervan Library. The library is a founding member of PALNI (Private Academic Library Network of Indiana), a cooperative library system allowing the patron to search the catalogs of 25 other private college and seminary libraries within Indiana. Interlibrary loan provides a service whereby materials not owned by Taylor University may be borrowed from other libraries.

The Zondervan Library is a member of regional and statewide cooperative library networks and OCLC, a worldwide network that links Taylor University with more than 25,000 other libraries.

One of the special collections in the library is the Edwin W. Brown Collection, which consists of first editions, manuscripts, photographs, and other materials relating to the life and works of C. S. Lewis, George MacDonald, Dorothy L. Sayers, Charles Williams, and Owen Barfield.

The library has an excellent reference collection and over 750 current periodicals and 16 daily newspaper subscriptions. Several periodicals and two major newspapers are also available on microfilm. Public online information retrieval services provide bibilographic and full-text access to an ever-widening variety of additional resources.

The Archives collects university records that document the heritage of Taylor University since its inception as Fort Wayne Female College in 1846. University records include yearbooks, campus newspapers, committee minutes, faculty papers, and photographs. The Archives promotes the research of Taylor's history by students, faculty, alumni, and other interested persons. Furthermore, the Archives encourages an awareness of Taylor's history through exhibits and publications.

The Learning Support Center, in the southwest wing of the library, has personnel and technology to provide individual instruction for improving reading comprehension, writing, and math computation skills. An open computer lab is available to support a variety of academic needs. Individual music listening is also provided in the Learning Support Center. Through the technology of the Learning Support Center, radio and television transmissions are made to the entire campus. The Ruth Flood Room is equipped to provide high-technology audiovisual presentations.

Services for students with disabilities are provided by Academic Support Services, located within the Learning Support Center. Services may include assistance with note taking, alternative testing, books on tape, or other accommodations deemed reasonable and necessary by qualified professionals. To receive these services, a student must provide documentation of his/her disability. Academic Support personnel also coordinate the peer tutoring program available to the general student body.

ATHLETIC FACILITIES

Odle Gymnasium was completed in 1975. This 45,000-square-foot facility contains two handball courts, a wrestling room, a weight room, classrooms, faculty offices, a varsity basketball court with three courts, and a comprehensive fitness center. This building was named for Don J. Odle, coach and professor emeritus of physical education.

The Field House is a steel-paneled building that provides additional opportunities for physical education and athletics. The football team room and Nautilus weight-lifting equipment are contained in this facility. It is equipped with a newly renovated weight room, indoor practice area, football locker room, classroom, and the offices for the football staff.

The George Glass Track and Field Complex, dedicated in 1998 to George Glass, Taylor's Athletic Director and Coach of Cross Country and Track for 26 years, has a 400-yard, rubberized, all-weather surface and facilities for field events.

The cross country course is a 5.2-mile route that covers the entire campus. The course begins at the Rice Bell Tower in the center of campus and takes runners up and over hills, down paved roads, and through scenic wooded areas.
The main soccer field includes dugouts, a regulation field, bleachers, and restroom facilities. A second field is also available for either practice or athletic competition.

The tennis complex features nine lighted, hard-surface courts.

The Jim Wheeler Memorial Stadium, which has a seating capacity of 4,000 and a natural grass playing surface, has been the home of the Trojans for the past 20 seasons. It was built in 1980 with funds donated by John Wheeler (Taylor ’54) in memory of his son, Jim Wheeler, a Taylor student who died of cancer shortly after his graduation in 1979.

Baseball and softball fields, with surface and brick dust infield respectively, are centrally located on campus and well maintained for intercollegiate competition.

The Escape to Reality Challenge Course/Ropes Course, nestled in a beautifully wooded portion of campus adjacent to Taylor Lake, offers ground, low, and high initiatives that provide the opportunity for learning through self-discovery, physical challenges, and group dynamics in a safe and supportive environment. All elements are constructed of treated wood, cable, and ropes. Students have the opportunity to train to be facilitators of the course. The course is open to all Taylor groups as well as others.

PROPOSED FACILITIES

A highly-anticipated addition to the Upland Campus is the new Kesler Student Activities Center. Named in honor of Dr. Jay Kesler, former president and current chancellor of Taylor University, and his wife, Janie, this facility will have four additional multipurpose playing surfaces, four regulation-size racquetball courts, expanded training facilities and fitness center, a rehabilitation room, and an indoor competition-level track. The Activities Center will increase the on-campus recreational options of students. This new facility will also add to Taylor’s strong foundation in the department of physical education and human performance by expanding needed classroom space, providing additional offices and wellness facilities, and enabling the renovation of the Odie Gymnasium.

Student needs in the arts will be enhanced with the construction of the new Modelle Metcalf Visual Arts Center. The center will provide specialized art studio and classroom space, computer graphic arts technology, faculty offices, and a secure gallery adjacent to the Mitchell Theatre. A new student gallery will be part of the center as well. This new building will feature defined spaces for all areas of the visual arts including painting, sculpture, ceramics, printmaking, jewelry, photography, drawing, graphic arts, and design. Additionally, an outdoor sculpture garden will beautify the campus on the north side of the building. This facility will adjoin the Rupp Center on the east side of the complex. Along with the Zondervan Library, the entire fine arts complex occupies the center of the Upland campus, signifying Taylor University’s commitment to the fine arts as a central component of a Christian liberal arts college.

TECHNOLOGICAL RESOURCES

The Educational Technology Center (ETC.), located in the west end of the Reade Center, makes available the latest in digital and analog technology services to students and faculty. Campus-wide access to the Internet and World Wide Web in the classroom is facilitated through the use of the unique Technology Enhanced Presenta-

A student-accessible computer network, featuring scanning and color printing, assists in the production of full-blown multimedia presentations or more basic presentations created with software such as PowerPoint or Freelance. A vast library of digital graphic and photographic images enhance the final product. For instructional technology production and presentation requirements, the E.T.C. will meet your specific needs. This well-equipped facility has provided the Taylor family with appropriate instructional learning and teaching technologies for more than thirty years.

The Reade Center and Zondervan Library computer labs, housing 75 computers, give students easy access to the Microsoft Office Suite, personal e-mail, the World Wide Web, library resources, campus intranet information, and high-quality scanning and printing. Departments such as art, computing and system sciences, chemistry, communication arts, modern languages, music, earth and environmental sciences, and physics also have their own discipline-specific computer labs for special applications.
ACADEMIC REGULATIONS
Academic policies and regulations are developed and approved by the faculty of the university and are administered by the Academic Affairs and Registrar's offices. Intended to be rigorous and challenging, these policies and regulations are administered with individualized attention and concern for the educational advantage and well-being of each student.

**ACADEMIC CALENDAR**

Taylor University's academic year consists of fall and spring semesters, a January interterm, and summer sessions. Under this schedule, the fall semester activities, including examinations, are concluded prior to the Christmas recess. Classes are conducted in each semester for a period of fifteen weeks, including a four-day examination period. The typical class period for one semester hour is fifty minutes. The January interterm provides students an intensive period of study in a single course or opportunities to study in off-campus centers in the United States and international locations. In addition, three summer sessions are available to enhance and supplement the students' educational programs and meet special program requirements. (For actual calendar dates, see the Calendars section of the catalog.)

**ADVISEMENT AND REGISTRATION**

**Faculty Advisors**
The Registrar's Office assigns academic advisors to all students in their area of academic interest. Advisors are provided to assist students in planning their academic programs. Advisors are authorized to communicate the established policy of the university. Students are expected to assume responsibility for obtaining academic advising after enrolling at Taylor, to keep informed about general education and major requirements by consulting the catalog and program curriculum guides, to initiate and be prepared for conferences with assigned advisors, and to be aware of published academic deadlines and regulations as stated in the schedule of classes, the published calendar, and the catalog. While Taylor University publishes program information and materials and assigns advisors, the student is solely responsible for assuring that his or her academic program complies with the policies of the university. Any advice that is at variance with established policy must be confirmed by the Registrar's Office.

**Academic Load**
Registration for 12 or more hours during fall or spring semester constitutes full-time standing. A normal academic load is 15.0616 hours per term. Students with at least a 2.00 grade point average (gpa) may take 17 hours. A 3.00 gpa is necessary to carry 18 hours, 3.30 for 19 hours, and 3.60 for 20 hours. An additional charge exists for each semester hour over 17.

Registration for four hours is considered a normal load for interterm. A 3.00 grade point average is necessary to carry five hours and a 3.60 is necessary for six hours. An additional charge exists for each interterm hour over four.

The first summer term is a full term lasting the entire summer (approximately 12 weeks) in which all practicums, independent studies, and directed research studies are offered. A normal academic load for the second summer session (18 days) is three to four hours; a 3.00 gpa is necessary to carry five hours; a 3.60 is necessary for six hours. A normal academic load for the third summer term (24 days) is three to six hours; a 3.00 gpa is necessary to carry seven hours; a 3.60 gpa is necessary for eight hours. Registration for 12 hours over all three summer terms constitutes full-time standing.

**Classification of Students**
Matriculated students are those students who have fully met all requirements for admission and have enrolled in courses to meet undergraduate degree requirements. Matriculated students are classified as follows:

<table>
<thead>
<tr>
<th>Freshmen</th>
<th>0.00-30.99 total cumulative credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomores</td>
<td>31.00-60.99 total cumulative credits</td>
</tr>
<tr>
<td>Juniors</td>
<td>61.00-94.99 total cumulative credits</td>
</tr>
<tr>
<td>Seniors</td>
<td>95+ total cumulative credits</td>
</tr>
</tbody>
</table>

**Advance Registration**
Advance registration provides an opportunity for both new and continuing degree-seeking students to register in advance for courses during the upcoming semester(s). Registration priority for classes is determined by cumulative earned hours with priority given to students with the most hours. Students who do not register in advance may lose their priority position during the advance registration process. Students who have not registered by the end of the registration period must be reinstated through the Registrar's Office and pay a reinstatement fee. It is the responsibility of each student to follow directives relating to student housing, billing, payment of bills, registration, and financial aid that are published annually and sent to all students by the President's Office.

**Change of Registration**
The student is held responsible for each course in which he or she officially registers. Changes of registration begin in the Registrar's Office and require the approval of the advisor and the registrar. Courses may be added during the first week of classes. Courses dropped during the second and third weeks of the term appear on the student's transcript with a grade of withdrawn (W). Students dropping a course after this period and up to one week after midterm receive either a grade of withdrawn/passing (WP) or withdrawn/failing (WF). When a course is dropped later than one week beyond midterm, the grade automatically is WF. The effect of WF on the gpa is the same as that of a full-term failing grade. Discontinuance of attendance does not automatically constitute a withdrawal from a course. Students failing to file a proper drop/add form by the appropriate deadline must complete classes for which they are registered or receive a grade of F.

**University Withdrawal**
A student who finds it necessary to withdraw from all credit classes must apply for formal withdrawal through the Office of Student Development. If this procedure is not followed, failing grades may be assigned. Failure to complete the term does not cancel the student's obligation to pay tuition and other charges. For specific details on refunds and adjustments, refer to the Finance section in this catalog.
Audit Registration
Audit registration can occur only through the first week of classes. Courses taken for audit receive no credit or grade. Students must attend at least half of the class meetings as verified by the professor in order for the courses to appear on the transcript with a grade of AUD. Students requesting a course for credit (grade or pass/fail) are given priority in registering for a course. Some courses are not available for audit credit such as private lessons, music ensembles, studio art courses, physical education skills courses, laboratory courses, practicums, and internships. Students should request permission from the Registrar’s Office to enter a course as an auditor.

Pass-Fail Registration
Students should request permission from the Registrar’s Office to take a course pass-fail. The pass-fail option can occur only through the first week of classes and is subject to the following guidelines:

- A pass grade represents work completed at C- or above.

- This option is open only to second-term sophomores or above with at least a 2.30 GPA; the exception is the practicum, which is open to all qualified students.

- No course in the major or minor field (except the practicum) and no general education course may be taken pass-fail until all requirements in those areas are met.

- No course needed for teacher certification may be taken pass-fail.

- The choice to take a class pass-fail must be declared by the end of the first week of classes.

- Pass-fail courses do not affect the GPA if passed, but they do affect the GPA if failed.

- Pass-fail courses are limited to one course per term and a total of 13 credit hours including the practicum if this is taken pass-fail. Courses available only on a pass-fail basis are not included in this total.

Repeat Registration
A student may repeat any course at Taylor University. All attempts in a course are reflected on the student’s transcript, and the cumulative GPA will reflect the most recent grade in the repeated course. Duplicate credit hours are not awarded when repeating a course.

Independent Study and Tutorial Registration
An independent study is an individualized, directed study involving a specific topic. The student is required to meet with the professor to plan a schedule of reading and study. Assignments and tests are scheduled by appointment or by special arrangement. No student who is on academic probation may register for an independent study unless repeating a course. No student may complete more than 12 hours of independent study per semester. A total maximum of independent study and correspondence is 16 hours. Independent study requires the consent of the instructor and the approval of the advisor, course department chair, and office of academic affairs.

A tutorial course is classroom-based, individualized instruction scheduled to meet on campus at a time that is mutually convenient for the student and the professor. The contact hours for this course must meet the standard set by the Academic Affairs Office. Any course listed in the catalog may be taught as a tutorial course with the consent of the instructor and approval of the advisor, course department chair, and office of academic affairs.

Experiential Education
Experiential education includes internships, practicums, and field experiences that provide students with the opportunity to integrate theoretical learning in a major field of study with actual work experience in a variety of nonclassroom settings. Students should consult with departments and supervising faculty for guidelines and responsibilities.

An internship is an advanced-level, discipline-related, culminating field experience directed towards preparing students for professional licensure or entry-level positions. Internship placements should be substantive, new, and educationally rewarding, rather than a continuation of a prior work experience. Completed under the direction of a faculty advisor and an employer supervisor, students are required to complete a minimum of 40 clock hours of work experience for each academic credit earned. Students may earn a maximum of 16 hours of credit, subject to departmental requirements, toward graduation requirements through the internship experience. Internships are usually completed during a regular semester. Usually, internships require students to devote their full time, effort, and attention to completing internship requirements. Therefore, it is recommended that students not enroll in additional courses during the term when interns are being completed.

A practicum course is a significant applied-learning experience with a meaningful, supporting component that enables students to observe, apply, and better understand previously studied theory. Individual practicums can be done for one to four hours of credit. Students can earn a maximum of eight hours of credit towards graduation requirements through practicum experiences, subject to departmental requirements. Completed under the direction of a faculty advisor and an employer supervisor, students are required to complete a minimum of 40 clock hours of work experience for each academic credit earned. Students usually complete practicum experiences during the summer session.

Field experiences are usually a component of a regular course and provide students opportunities to learn, observe, and assist professionals with selected tasks in an off-campus setting related to a career or program goal. Students are placed, supervised, and evaluated by the faculty responsible for the course. Assignments related to field experiences become part of the overall course evaluation.
### Grades

#### Grading System

The following grades and quality points are assigned to undergraduate students at Taylor University in calculating the GPA:

<table>
<thead>
<tr>
<th>Grade Meaning</th>
<th>Quality Points</th>
<th>Calculated in GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Superior</td>
<td>4.00</td>
<td>Yes</td>
</tr>
<tr>
<td>A</td>
<td>3.67</td>
<td>Yes</td>
</tr>
<tr>
<td>A+</td>
<td>3.83</td>
<td>Yes</td>
</tr>
<tr>
<td>B+ Good</td>
<td>3.00</td>
<td>Yes</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
<td>Yes</td>
</tr>
<tr>
<td>C+</td>
<td>2.33</td>
<td>Yes</td>
</tr>
<tr>
<td>C Satisfactory</td>
<td>2.00</td>
<td>Yes</td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
<td>Yes</td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
<td>Yes</td>
</tr>
<tr>
<td>D Minimally acceptable</td>
<td>1.00</td>
<td>Yes</td>
</tr>
<tr>
<td>D-</td>
<td>.67</td>
<td>Yes</td>
</tr>
<tr>
<td>F Failing</td>
<td>0</td>
<td>Yes</td>
</tr>
<tr>
<td>P Pass</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>CR Credit</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>W Withdrawal</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>WP Withdrawal/passing</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>WF Withdrawal/failing</td>
<td>0</td>
<td>Yes</td>
</tr>
<tr>
<td>INC Incomplete</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>NR Grade not reported</td>
<td>0</td>
<td>No</td>
</tr>
<tr>
<td>NC credit/failing</td>
<td>0</td>
<td>Yes</td>
</tr>
<tr>
<td>AUD Audit</td>
<td>0</td>
<td>No</td>
</tr>
</tbody>
</table>

The unit of credit is the semester hour. Grade point average (GPA) is calculated by dividing quality points by GPA hours. Grade point hours include only Taylor University courses taken for a grade.

#### Incomplete and Not Reported Grades

All work for credit is expected to be completed within the term it is attempted. An Incomplete grade (INC) may be given when an emergency prevents a student who has been passing the course from completing some crucial portion of the required work, but not to complete extra work to raise a grade. Incompletes must be authorized by the Office of Academic Affairs before they are submitted to the Registrar’s Office. Incompletes should be translated to grades and reported to the Registrar’s Office by the date approved by the Office of Academic Affairs. The last possible date for approval is the week before final examinations of the following full term.

The Registrar’s Office will record an NR (not reported) when grades are unavailable, such as receipt of transcripts for off-campus study programs or faculty emergencies.

If no change has been made by the instructor by the approved due date, the registrar is authorized to change the INC or NR to an F.

#### Grade Changes

All requests for change of grade (except from an INC or NR) are initiated by the student with the professor of record and must be approved by the office of academic affairs. Questions regarding the grade should be directed to the professor within two weeks after receipt of grades in the mail. Such a change is permitted only before the end of the next term the student is in attendance after the original grade was awarded.

#### Grade Reports

At the midpoint of each term the registrar sends a progress report to students whose level of work at that time is reported to be below C-. These grades are not recorded on the student’s record in any way. Final grade reports are sent to students at the end of each term.

#### Dean’s List

Full-time students are named to the Dean’s List when they have earned a 3.60 or better GPA for the term and when at least one-half of their hours carry credit point values.

#### Eligibility for Intercollegiate Athletics

For participation in intercollegiate athletics, students must be enrolled full time, carrying at least 12 credit hours. In addition, they must be students in good standing, not on probation, and meet the requirements of the National Association of Intercollegiate Athletics and the National Christian College Athletic Association.

#### Academic Progress

A student who meets the minimal grade point average requirements as indicated below is considered to be a student in good academic standing. A student who falls below the minimum required grade point average is placed on academic probation and enters a special advisement program under the direction of the Learning Support Center and the academic advisor.

<table>
<thead>
<tr>
<th>Cumulative Total Hours</th>
<th>Minimum Required GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>00.00-12.99</td>
<td>1.60</td>
</tr>
<tr>
<td>13.00-30.99</td>
<td>1.70</td>
</tr>
<tr>
<td>31.00-44.99</td>
<td>1.80</td>
</tr>
<tr>
<td>45.00-60.99</td>
<td>1.90</td>
</tr>
<tr>
<td>61.00+</td>
<td>2.00</td>
</tr>
</tbody>
</table>

The grade point average of each student is reviewed twice annually to determine whether action needs to be taken with respect to probationary status. The first such review takes place after fall semester for all students except first-time freshmen who are reviewed after interterm. At the end of the spring semester, grade point averages for all students are reviewed for the same purpose.

For students placed on probation, failure to reach the minimum requirements within one semester results in suspension from the university, unless during that semester at least a 2.30 term grade point average is earned. Students placed on "extended probation" are not eligible to receive financial aid. First-time suspension is for one semester; a second-time suspension is for one year. A student may apply for readmission after the suspension period. Readmission is not automatic and requires the approval of several offices on campus.
Placement on academic probation carries related consequences. Eligibility for financial aid continues for one semester only. No student on academic probation is allowed to hold a university student leadership position until such time as he/she qualifies for acceptable academic standing. Similarly, university policy does not permit athletic participation by students who are on academic probation. No student on academic probation may register for correspondence courses or independent study courses unless repeating a course. No academically suspended student may be enrolled in any Taylor courses including those offered by the College of Adult and Lifelong Learning's (CALL) World Wide Campus. In some cases, it may be advisable for a suspended student to enroll in courses at another institution in order to make a better case for readmission to Taylor. Such students should consult with the Registrar's Office in advance of such enrollment.

Additional information concerning academic probation and suspension is available from the Registrar's Office.

**GENERAL ACADEMIC POLICIES**

**Graduation**

A student may complete graduation requirements at the end of any of the university's instructional terms that conclude in December, January, May, or August. However, commencement ceremonies are held only in May at the end of the spring term. Participation in commencement is open to those students who have completed all degree requirements by May or have an approved plan whereby all requirements will be met by the end of the summer session following commencement.

Candidates for graduation must complete an application for graduation. This form is available when registering for the fall semester one year prior to participating in commencement. The application begins the degree audit process. Prior to their senior year, students should check the schedule of classes and registration procedures to determine the deadlines for submitting the application for graduation. While the registrar will conduct degree audits on behalf of the university, students are responsible to ensure that all graduation requirements are met.

Attendance at commencement is required unless a written request to be absent is filed with and approved by the Registrar's Office.

A candidate for graduation must fulfill all financial obligations to the university before he or she receives a diploma.

**Honors at Graduation**

Honors are designated at commencement only for those students who have fully completed all course work and requirements for their degrees before commencement. In recognition of superior scholarship, the university awards three levels of honors at graduation: cum laude, magna cum laude, and summa cum laude. Cum laude is awarded those students with a gpa of at least 3.50. Magna cum laude is awarded those students with a gpa of 3.70. Summa cum laude is awarded those with a gpa of 3.90.

Graduation honors for transfer students are awarded under the following conditions:

- The last 30 hours of graded courses must be Taylor University hours.

- Graduation honors are computed on Taylor University work only.

- A student completed at least 48 hours at Taylor University.

**Final Examinations**

Students must take their final examinations at the assigned hours listed in the schedule of classes that is distributed at the time of registration. Exceptions are made only because of serious illness or death of an immediate member of the family. Reasons such as plane schedules, availability of flights, and rides leaving early are not acceptable exceptions. Students scheduled to take more than two final exams on the same day may, with written permission form a faculty member, reschedule an exam(s) to maintain a minimum of no more than two exams per day. Students should contact the Registrar's Office to begin the rescheduling process.

**Class Attendance**

Students are expected to attend all sessions of classes for which they are registered. Any necessary deviations from this expectation must be reported by the student to the professor of the class to be missed. Excused absences (with permission to make up work) are only granted in the cases of (1) admittance to a hospital, including Taylor's Wellness and Health Services (verified by Wellness and Health Services); (2) serious emotional illness (verified by the associate vice president for student affairs/dean of students); (3) athletic events approved by the faculty athletic committee or group absence for approved academic events (students must make prior alternate arrangements with the professors whose classes they will miss); (4) death or hospitalization of an immediate family member (mother, father, brother, sister, or grandparent); or (5) very unusual circumstances as evaluated by the professor.

Unexcused absences, “cuts,” without permission to make up work, must not exceed one per credit hour of the course. The penalty for excessive cuts is communicated in each course syllabus. Cuts could be used for situations such as travel difficulties, bad weather, conflicting schedules, oversleeping, minor sickness, doctor or dentist appointments, and job interviews. When courses are added after the first class meeting, each session missed should be considered a cut.
Academic Dishonesty
Academic dishonesty constitutes a serious violation of scholarship standards at Taylor that can result in substantial penalties, including denial of credit in a course as well as dismissal from the university. Any act that involves misrepresentation regarding the student's academic work or that abridges the rights of other students to fair academic competition is forbidden. Academic dishonesty includes, but is not limited to, cheating on assignments or exams, plagiarizing (misrepresenting another's work as one's own original creation), submitting the same (or substantially the same) paper in more than one course without prior consent of all instructors concerned, depriving others of necessary academic sources, sabotaging another student's work, and using without attribution a computer concept or program. All acts of academic dishonesty are reported to the Academic Affairs Office. (The university statement on plagiarism is available from that office.)

Academic Grievance
To assure an open atmosphere in academic endeavors, procedures have been established to provide fair process of any academic complaint registered by a student. Students who believe that unfair treatment may be occurring in their academic experience should consult the Student Life Handbook. A detailed description of the informal and formal grievance procedures may be obtained from the Academic Affairs Office.

Academic Exceptions
Students requesting exceptions to approved academic policy must submit an academic petition, available from the Registrar's Office. The student's advisor and the registrar must review the petition before action is taken on the academic petition by the office of academic affairs.

Advanced Placement and Credit by Examination
Students may qualify for advanced placement and college credit by satisfying the standards set by individual departments to pass the College Board Advanced Placement Examinations (AP), the College Level Examination Program (CLEP), the Taylor University Modern Language Test, and International Baccalaureate credit at the higher level.

All students are expected to complete the expository writing requirement by the end of their first year at Taylor. If the AP or CLEP exam for expository writing was passed and approved by the Office of Testing, the fee for posting credit to the transcript should be paid by the end of the first semester at Taylor. It is the student's responsibility to verify that scores are received in the Office of Testing. The CLEP exam for expository writing must be taken and passed by November 1 for students entering in the fall semester and April 1 for students entering in the spring semester. If not, students must register for ENG 110 in the second semester.

Prior to entering Taylor, students should request from the Office of Testing the guidelines, conditions, schedules, limitations, and costs for processing and awarding credit by examination. A maximum of 30 hours of advanced placement and credit by examination may be applied to meet graduation requirements.

Correspondence Courses
Correspondence courses taken prior to entering Taylor University require approval by the registrar. Correspondence courses taken by resident students require approval by the advisor and the registrar prior to enrollment. Students are permitted to count 12 hours of correspondence credit toward their degrees. A combined total of 16 hours of correspondence and independent study can be applied to meet degree requirements. Grades earned affect the cumulative grade point average. These courses are not considered part of the academic load for enrollment verification or financial aid purposes. No student on academic probation is permitted to register for correspondence courses through the CALL's World Wide Campus unless repeating a course. No academically suspended student may be enrolled in any Taylor courses including those offered by the CALL's World Wide Campus. Candidates for graduation must complete all correspondence course work and exams one month prior to the graduation completion date.

Transfer Credit
To receive credit for course work earned at other accredited institutions, new students should request that transcripts be sent directly to the Admissions Office at Taylor University. These transcripts are forwarded to the Registrar's Office for an evaluation. A copy of this evaluation is sent to the student. The registrar evaluates courses for general education and elective credit, however, it is the student's responsibility to meet with the appropriate department chair to have major or minor courses evaluated and notification sent to the registrar by the department chair. Course descriptions and syllabi may be required in order to evaluate courses.

Current Taylor students who plan to take courses at another university during the summer or during a semester's absence and wish to transfer credits to apply toward a degree must complete a transfer approval form signed by the student's academic advisor and the registrar prior to taking the course(s). Students should request that transcripts be sent directly to the registrar before the next enrollment period.

The following guidelines are applied in accepting transfer credit:

- The university reserves the right to accept or reject courses for transfer credit. Remedial or vocational courses are not transferable.

- Only course work with a grade of C- or better is accepted. Courses taken for a grade mode of pass, credit, or satisfactory do not transfer unless the transcript indicates that the grade is equivalent to at least a C-.

- Grades do not transfer. Taylor grade point average is computed only on work offered by or through the university.

- A maximum of 66 hours of credit may be transferred from an accredited two-year college. These courses are not given upper-division credit.

- Students are permitted to count toward their degrees no more than 12 hours of correspondence or independent study credit, and the total maximum of correspondence and independent study is 16 hours.

- One-half of the major and minor hours must be completed at Taylor University.
ACADEMIC REGULATIONS

DEGREE REQUIREMENTS
Taylor University offers programs leading to the bachelor of arts degree, bachelor of science degree, bachelor of music degree, and the associate of arts degree.

All degrees require students to fulfill general education, major field, and elective courses. Students must also demonstrate proficiency in essential skill areas, i.e. reading, math, and writing, as well as fulfill the general and departmental computer competency requirements.

Students must complete their degree programs within seven years following their initial matriculation. In view of occasional curricular changes, students may elect to meet the graduation requirements that were in effect at the time they entered Taylor University. Otherwise, they must meet current graduation requirements. In situations where curricular changes must be made in compliance with new licensing or credential requirements, special accommodations may be made.

Baccalaureate Degree Requirements
A baccalaureate degree is an award that requires the completion of at least four academic years of college-level work or the equivalent in an academic field of study and that meets the institutional standards for satisfying the requirements of this degree level. Only one degree is awarded for each major.

The bachelor of arts degree centers on courses of study in the arts and sciences. It is likely to include more elective courses in the major field of study. Candidates for the bachelor of arts degree must demonstrate the equivalent of two years in one foreign language. The degree may be combined with curriculum requirements in education or systems analysis.

The bachelor of science degree requires more upper-division courses, fewer electives, and a practicum or internship experience. Bachelor of science degrees are often awarded to students preparing for professional fields. Students usually specialize more in the natural and social sciences than in the humanities. Most bachelor of science degree programs are only available when combined with curriculum...
requirements in education or systems analysis.

The bachelor of music degree is the initial professional baccalaureate degree in music. Its primary emphasis is on development of skills, concepts, and sensitivity essential to the professional life of a musician. The degree may be combined with curriculum requirements in education, environmental science, or systems analysis.

The following requirements apply to the baccalaureate program:

- Minimum of 128 semester hours.
- Completion of all general education requirements.
- Cumulative grade point average of 2.00. (Higher grade point averages are required in certain curricula. See, for example, education and social work.)
- Passing grade in all hours for graduation.
- Minimum of 42 semester hours of upper-division (300-400 level) courses.
- The last 30 hours to be spent in residence at Taylor University. (The only exceptions to this rule are permission for students majoring in natural science, permission by petition, or advance permission granted by the Curriculum Management Committee.)
- Candidates for two degrees must complete a minimum of 158 semester hours and meet requirements for two different majors.

The major is the principal field of study usually consisting of twenty-five percent or more of the total hours required in an undergraduate curriculum. At Taylor University, typical fields of study require students to earn a minimum of 30 hours of credit. The following requirements apply to the major:

- A 2.30 grade point average in the major field is required. (Higher grade point averages are required in certain curricula.)
- Courses earning a grade below C—may not be counted toward the required number of hours for the major and must be repeated.
- No course taken pass-fail may be included in the major.
- One-half of the hours in the major field must be earned at Taylor University.
- A comprehensive examination in the major field of study must be successfully completed.

The student's field of secondary emphasis is usually but not always, outside the major field. The minor normally consists of fifteen percent or more of the total hours required in an undergraduate curriculum. At Taylor, students are required to complete approximately one-half of the total hours required for a major to earn a minor area of specialization. Minors are intended to complement the major and/or provide a greater breadth to liberal arts education. The following requirements apply to the minor:

- A 2.30 grade point average in the minor field is required.
- Courses earning a grade below C—may not be counted toward the required number of hours in the minor.
- No courses taken pass-fail may be included in the minor.
- One half of the hours in the minor must be earned at Taylor University.

A concentration is an intensive study of a subject within a major field of study consisting of at least thirty percent of the major requirements. At Taylor, concentrations are specialized areas within the major field and include tracks, application fields, supporting areas, areas of emphasis, and cognates. There is a range of required hours that are determined by standards within the field along with requirements established by the department.

**Language Requirement for Bachelor of Arts Degree**

Candidates for the bachelor of arts degree must demonstrate the equivalent of two years of one foreign language for graduation. Those students who enter with a year or more of high school foreign language study must take the University of Wisconsin Foreign Language Placement Tests that are administered at Taylor University. Students are then placed in language classes at the level indicated by these tests. Those who place beyond the intermediate level of the language are considered to have fulfilled the language requirement and may be eligible to receive six hours of credit for intermediate language by further testing. Students placing into 202 may receive credit for 201 if the grade earned in 202 is a C or higher. Taylor University offers language instruction in French, German, Spanish, and New Testament Greek.

Students of a language other than those offered at Taylor University may choose to meet the language requirement by demonstrating proficiency equivalent to two years of college study of that language. The request should be initiated with the chair of the modern languages department.

**English Proficiency**

All incoming students, both first-time freshmen and transfers, must take the English proficiency tests. The English department uses the student's SAT or ACT verbal score as one indicator of his/her skills, but depends most heavily upon a writing sample administered during summer orientation/registration weekends and before the start of classes in the fall. Students who demonstrate the ability to organize and develop ideas accurately should enter ENG 110. Those students who do not show an acceptable level on the English tests must take ENG 100 first to provide focused attention on basic organizational/development, language, or usage skills. Students completing ENG 100 with a C—grade or above are then granted permission to enter ENG 110. Students not meeting the C—standard are required to repeat ENG 100 through an individualized program in the second semester.

Transfer courses must be the final in any sequence and match the standards of ENG 110. Students transferring in comparable expository writing but not showing an acceptable level of proficiency on the entrance tests are expected to remedy the deficiency by taking ENG 100. Upon earning a grade of C— or above, transfer credit is accepted for ENG 110. Students transferring in comparable expository writing credit and showing an acceptable level of proficiency on the entrance tests are exempted from ENG 110.
ACADEMIC REGULATIONS

All students are expected to complete the expository writing requirement by the end of their first year at Taylor. If the AP or CLEP exam for expository writing was passed and approved by the Office of Testing, the fee for posting credit to the transcript should be paid by the end of the first semester at Taylor. It is the student's responsibility to verify that scores are received in the Office of Testing. The CLEP exam for expository writing must be taken and passed by November 1 for students entering in the fall semester and April 1 for students entering in the spring semester. If not, students must register for ENG 110 in the second semester.

Reading and Math Proficiencies

All new students, both first-time freshmen and transfers, must demonstrate proficiency in reading and math. Proficiency tests are administered during summer orientation/registration weekends and before the start of classes in the fall. Students enrolling for the first time during the spring semester will receive information from the Office of Testing concerning proficiency testing.

Students may fulfill the proficiency requirements for reading and math in one of the following ways:

- In reading, attain SAT verbal score of 540 or above or ACT English score of 23 or above. In math, attain SAT math score of 550 or above or ACT math score of 24 or above. Scores must be official reports from The College Board or The American College Testing Program and are required for both first-time freshmen and transfer students. New students who have not fulfilled the reading and/or math proficiency requirements by meeting the SAT/ACT standards are required to take the proficiency tests.

- Pass Taylor University proficiency testing in reading and math by November 1 for students entering in the fall semester and April 1 for students entering in the spring semester.

- All students who have not passed reading and math proficiencies by November 1 or April 1 are required to be enrolled in IAS 180 Applied Learning Techniques-Verbal and IAS 185 Applied Learning Techniques-Math or MAT 100 Math Fundamentals in the second semester. The Office of Testing will send notification of such placement to the registrar who is authorized to register all students who have not passed the tests.

Senior Seminar

Senior Seminar is an integrative, interdisciplinary general education requirement that students fulfill in relation to their own major areas of study. It is offered annually in the January interterm. In the case of a double major, students are required to take two senior seminars. If both departments require senior seminar to fulfill graduation requirements within the major. For those required to take a second senior seminar, students may take IAS 493 for three or four hours. However, independent study (IAS 360) for three or four hours is a viable alternative to a second required senior seminar. Students who have double majors are expected to know the requirements of each department and work out an acceptable schedule to fulfill the requirements with the help of their major advisors.

Senior Comprehensive Examination

A candidate for a baccalaureate degree must pass a comprehensive examination in the major field of study. This examination is given during the senior year. In secondary education, the comprehensive examination is in the major teaching field. A student is allowed a maximum of three attempts to pass the comprehensive examination in any single major. If a student intends to graduate with more than one major, a comprehensive examination is required for each. The examinations are to be marked superior, pass, or fail.

Associate of Arts Degree

An associate degree is an award that requires the completion of at least two academic years of college-level work or the equivalent in an academic or occupationally specific field of study and that meets institutional standards for satisfying the requirements for this degree level.

The associate of arts degree requires general education and major area courses along with demonstrated proficiency in essential skill areas. At Taylor University, most of the degree programs are designed to prepare students for occupational-specific fields as well as preparation for matriculation to baccalaureate degree programs. An associate of arts degree must be completed and awarded one calendar year before a baccalaureate degree from the same department can be awarded. The following requirements apply to the associate's degree:

- Minimum of 64 semester hours.

- Minimum cumulative grade point average of 2.00.

- Thirty hours of general education courses: IAS 101, 110; ENG 110; CAS 110 or 120 or 201; HP 100 and 200 (1 hour); BIB 110 and 210; COS 104 or 106; one social science or history course; HUM 230 or a literature course from ENG 230, 233, 240, or 250; one science course.

- English, mathematics, and reading proficiency.

- The last 30 hours in residence at Taylor University.

- Fulfill all major area requirements. (Refer to Business Administration, Early Childhood Education, Liberal Arts, and Management Information Systems for detailed listing.)
THE TAYLOR PROGRAM

Taylor University offers programs leading to the bachelor of arts degree, bachelor of science degree, bachelor of music degree, associate of arts degree, and preprofessional training. Each student selects a major and meets the requirements for the chosen course of study. In addition, every student meets general education requirements and may select from electives to complete his or her studies. Two years of one foreign language are required of students pursuing the bachelor of arts degree program. The bachelor of arts degree may be combined with curriculum requirements in education or systems analysis. The bachelor of music degree may be combined with curriculum requirements in education. Most bachelor of science degree programs are only available when combined with curriculum requirements in education or systems analysis.

Departmental certificate programs are offered within specific baccalaureate programs. Each program is described within the program listings of the sponsoring department.

Taylor University reserves the right to withdraw a course or a program or to limit its enrollment when for any reason it becomes impractical to offer it as previously scheduled.

OBJECTIVES OF THE ACADEMIC PROGRAM

Taylor University’s academic program

- requires students to demonstrate depth of learning in an academic major,
- structures the general education experience for the dissemination of the liberal arts heritage,
- fosters the capacity for making sensitive, value-oriented judgments,
- engages students and faculty in and encourages research,
- prepares students for conscientious and creative leadership in a technological world,
- establishes foundations for graduate study,
- shares intellectual expertise with the larger geographical, scholarly, and faith communities,
- anchors specific career preparation for a variety of professions in a foundation of appropriate academic experiences, cultural breadth, and Christian perspectives,
- prepares students to meet external certification and licensing requirements, and
- provides preprofessional preparation.

GENERAL EDUCATION

All students at Taylor University share certain common educational requirements. Known as general education, this program grows out of the purpose of the university as expressed in its Christian beliefs, mission statement, and academic objectives.

In seeking to integrate faith and learning in the Christian university environment, the general education program recognizes that all truth is God’s truth in the special revelation of the inspired Scriptures and in the accumulated knowledge of human experience. The Christian faith permeates all learning. This idea means that (1) faith is the foundation for our learning in the academic disciplines, and (2) the academic disciplines are important for informing our faith and transforming our world.

Christian worldview assumptions provide the foundation for the learning process and infuse the liberal arts and the academic majors with direction, meaning, and motive for application. Such interaction of faith and learning transforms general education courses in terms of subject selection, interpretation of information, the search for meaning in information, the application of knowledge, a model for living and learning, and an enthusiastic appreciation for knowledge. The liberal arts enhance the study of the student’s major and support preparation for the world of work as well as civic, social, and personal responsibilities.

Representing nearly half of the baccalaureate programs, general education is liberating education in that it frees Christians to think and deal with the entire range of knowledge. The faculty of Taylor University affirms that general education is intended to develop students who evidence the following characteristics of mature and intellectual Christians:

Spiritual Activity: Students who are spiritually active have developed an intellectual and experiential understanding of the Christian heritage enacted in a consistent lifestyle of study, worship, service, stewardship, and world outreach.

Critical Thinking: Students who are critical thinkers have learned the intellectually disciplined process of conceptualizing, quantifying, analyzing, synthesizing, and evaluating information gathered from or generated by observation, experience, reflection, reason, or communication as a guide for action or belief.

Competent Communication: Students who are competent communicators have developed understanding and skill in the nature and practice of private and public discourse as instruments for creating, interpreting, and evaluating beliefs, attitudes, policies, and values in the context of various communities.

Scientific Literacy: Students who are scientifically literate have understood and employed the scientific method as a means of inquiry, are familiar with basic subject matter in representative areas of the natural sciences, understand foundational connections among the various areas of science and mathematics, and are able to relate scientific principles to human affairs.

Aesthetic Literacy: Students who are aesthetically literate have developed knowledge of the unique epistemology represented by the arts, including a discerning awareness of the language and literature of diverse art forms.

Civic Mindedness: Students who are civic minded have attained systematic knowledge of the structure and processes of domestic and international cultural, economic, political, and social systems and value participation in those structures and processes.

Responsible Stewardship: Students who are responsible stewards have developed an understanding of God’s command to be good caretakers of His creation and practice individual accountability in managing spiritual, intellectual, personal, physical, and economic resources.
Lifelong Learning: Students who are lifelong learners are committed to learning as a means of continuous growth and development, which expresses itself in ministry and reverence toward God in an ever-changing world.

General Education Requirements
No single general education course may meet two separate general education requirements (except WR and SP). Students should refer to the General Education Handbook for specific requirements and information.

Orientation
IAS 101 New Student Orientation (1)

Spiritual Foundation
IAS 110 Foundations of Christian Thought (3)
BIB 110 Biblical Literature I (3)
BIB 210 Biblical Literature II (3)
REL 313 Historic Christian Belief (3)
PHI 413 Contemporary Christian Belief (3)
IAS 493 Senior Seminar (4)

Stewardship of the Body
PHP 100 Fitness for Life (1)
PHP 200 PE Activity (1)
Select one of the following:
PHP 200 PE Activity (1)
PHP 300 Basic Swimming Skills (1)
PHP 302 Lifeguard Training (1)
PHP 333 Water Safety Instructor (1)
PHP 334 Lifeguard Training Instructor (1)

Fine Arts
HUM 230 Art as Experience (4), or
HUM 330 Arts and Ideas (4)
Select one of the following:
HUM 250 Participation in the Arts (1)
Music ensemble (1)
Art studio course (3)
Music lesson (private or class) (1)

Literature
Select one of the following:
ENG 230 World Literature (4)
ENG 233 Literary London (4)
ENG 240 American Literature (4)
ENG 250 British Literature (4)

Writing
ENG 110 Expository Writing (4), or
ENG 112 American English for International Students (5)
Complete two designated writing courses (WR)

Speaking
Select one of the following:
CAS 110 Public Speaking (2)
CAS 120 Interpersonal Communication (2)
CAS 201 Corporate Communication (3)
Complete two designated speaking courses (SP)

Computer Science
COS 104 Computer & Info. Concepts (2), or
COS 106 Computer & Info. Concepts (2)
Departmental Computer Application (1-3)

Science
Select one course from two different areas:
At least one must be a lab course. Must total 8 hours.

(I) Life Science – Lab
BIO 100 General Biology (5)
BIO 200 Human Nutrition (4)
BIO 243 Human Anatomy & Physiology (5)
BIO 244 & 245 Human Anatomy & Physiology I, II (6)
ENS 200 Environment & Society (4)
ENS 231 Introduction to Environmental Science (4)

(II) Physical Science – Lab
CHE 100 Chemistry for Living (4)
CHE 201 General Chemistry I (5)
CHE 211 General & Inorganic Chemistry I (5)
PHY 120 Experiences in Physical Science (4)
PHY 121 Survey of Physical Science (5)
PHY 203 and PHY 211L General Physics & Lab (4)
PHY 211 and PHY 211L University Physics & Lab (5)

(IIIa) Earth Science – Lab
PHY 201 Introductory Astronomy (4)

(IIIb) Earth Science – Non-Lab
GEO 210 Physical Geography (4)
GEO 240 Introduction to Geology (4)
ENS 361 Environmental Survey Techniques (4)

(IV) Mathematics – Non-Lab
MAT 140 Fund Calculus for Applications (3)
MAT 151 Calculus with Analytical Geometry I (4)
MAT 220 Ways of Knowing (4)

History
HIS xxx (3-5)

Social Science
Select one course from one of the following:
ECO xxx (3-4)
POS xxx (POS 232 excluded) (3-4)
GEO xxx (GEO 240 excluded) (3-4)
SOC xxx (SOC 355 excluded) (3-4)
IAS 330 Human Relations in Organization (3)

Cross Culture
Complete one designated cross culture course (CC)

COURSE INFORMATION

Lower-division courses, typically courses numbered at the 100 and 200 level, are introductory and foundational courses designed for freshmen and sophomore-level students. Upper-division courses, numbered at the 300 and 400 level, build upon higher knowledge and principles and usually require junior and senior-level students to demonstrate an advanced level of independence, writing ability, and critical thinking skills in learning difficult content material within various academic disciplines.

Some curricular courses or course components listed in this catalog include physical or off-campus activities for which students must sign a waiver of liability as a precondition of participation.

The following courses are offered in many departments with descriptions for these courses being the same for all departments. Descriptions are provided here, but these courses carry department prefixes.

170/370 Selected Topics
A course offered on a subject of interest but not listed as a regular course offering. May count toward the departmental major and meets general education requirements.

360 Independent Study
An individualized, directed study involving a specified topic.

393 Practicum
Supervised learning involving a firsthand field experience or a project. It is offered primarily during summer. Generally, one hour of credit is awarded for a minimum of 40 hours of practicum experience.

450 Directed Research
Investigative learning involving closely directed research and the use of such facilities as the library or laboratory.

480 Seminar
A limited-enrollment course designed especially for upper-class majors with emphasis on directed readings and discussion.

490 Honors
Individualized study or research of an advanced topic within a student's major. It is open to students with at least a 3.00 gpa in the major field.
ACADEMIC PROGRAMS LIST

The listings and text that follows provides the details of the courses of study. Listed alphabetically by department and/or program, the material includes faculty names, major requirements, and course descriptions. Course descriptions identify the content, the level of difficulty of the course, and any prerequisites that apply.

Associate of Arts Degree Majors

- Business Administration
- Early Childhood Education
- Liberal Arts
- Management Information Systems

Baccalaureate Majors

- Accounting
- Art
- Biblical Literature
- Biology
- Business Administration
- Chemistry
- Chemistry-Environmental Science
- Christian Education
- Communication Studies
- Computer Engineering
- Computer Graphic Arts
- Computer Science
- Economics
- Engineering Physics
- English
- Environmental Biology
- Environmental Engineering
- Environmental Geology
- French
- Geography
- Goal-Oriented
- History
- International Business
- International Studies
- Mass Communication/Journalism
- Mathematics
- Mathematics-Environmental Science
- Music
- Natural Science
- Philosophy
- Physical Education
- Physics
- Political Science
- Psychology
- Sociology
- Social Work
- Spanish
- Sports Management
- Theatre Arts
- Wellness

Baccalaureate Minors

- Accounting
- Biblical Languages
- Biblical Literature
- Chemistry
- Christian Education
- Communication Studies
- Computer Science
- Economics
- English
- Finance
- French
- Geography
- History
- Human Resource Management
- International Studies
- Literature
- Management
- Marketing
- Mass Communication/Journalism
- Mathematics
- Music
- Philosophy
- Physics
- Political Science
- Prelaw
- Psychology
- Public Relations
- Sociology
- Spanish
- Theatre Arts
- Writing

Baccalaureate Teaching Majors

- Art Education
- Biology Science Education
- Chemistry Science Education
- Communication Arts Education

Baccalaureate Teaching Minors

- Art Education
- Biology Science Education
- Chemistry Science Education
- Communication Arts Education
- English Education
- French Education
- General Science Education
- Health and Safety Education
- Mathematics Education
- Music Education
- Physical Education
- Physical Science Education
- Social Studies Education
- Spanish Education

Interdisciplinary Program

- Systems Analysis

Preprofessional Programs

- Pre-Engineering
- Prelaw
- Premedical Technology
- Premedicine
The Western World shares a common intellectual and physical culture that is significantly determined by the creative results of visual arts. Whether through the physical environment, information media, entertainment, or consumable products, the visual and design arts influence our beliefs, choices, and actions with increasing sophistication. The Taylor University art department, in conjunction with the broader liberal arts community, sees its purpose as the training of Christian professionals who are adept at reading this visual environment and engaging it creatively and redemptively.

Many specific career avenues require training in the visual arts. A major in art is a good first step toward a career in architecture, publication design, fine arts production, advertising, industrial design, graphic illustration, arts administration, art education, or art therapy.

The goals of the art department at Taylor University are (1) to provide undergraduate art majors with strong foundational skills that will prepare them technically and intellectually for success in graduate or advanced professional programs in the fine arts or the design professions, (2) to provide teacher training in art education for certification and instruction in elementary, middle, and secondary schools, (3) to offer liberal arts students art courses which will enrich their comprehension of cultural issues, and (4) to encourage our faculty to serve as role models by actively producing in their chosen field of the visual arts and by articulating how Christian faith, the visual arts, and the current issues of Western culture interrelate.

The department of art offers the bachelor of arts and bachelor of science degrees. The bachelor of arts degree requires completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in either education or systems analysis. A senior exhibit is required of all majors in art, art education, and computer graphic arts, as fulfillment of the senior comprehensive examination requirement.

**Art**

The bachelor of arts degree with a major in art requires two years of one foreign language and 42 hours including ART 101, 151, 201, 251, 271, 321 or 322, 341, 355; two art history courses from ART 213, 313, 316, or 370; IAS 493; a minimum of three courses in a single subject area to form a concentration selected from one of the following areas.

- **Drawing**: ART 101, 201, 301
- **Art History**: ART 213, 313, 316, 370
- **Painting**: ART 321, 322, 421, 422
- **Photography**: ART 261, 361, 461
- **Ceramics**: ART 281, 282, 381
- **Printmaking**: ART 341, 342, 441
- **Three-Dimensional Design**: ART 271, 371, 471
- **Jewelry**: ART 275, 375, 475
- **Graphics**: ART 251, 351, 355, 356, 451

**Art/Systems**

The bachelor of science degree with a major in art/systems consists of the 42-hour major requirement and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; ART 393 (3-4 hours); six additional systems elective hours from COS 310; COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better.

**Art Education**

The art department offers a major and a minor to students desiring teacher certification in visual arts education. Students pursuing this program must complete the appropriate art department requirements that follow as well as 28-31 hours of professional education courses. Detailed curriculum guides are available from the education and art departments.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Either baccalaureate degree in art education for all grades (K-12) must complete a total of 52 hours including ART 101, 151, 201, 271, 281, 300, 321 or 322, 331, 341, 355; HUM 230 or 330; IAS 493; two art history courses from ART 213, 313, 316, or 370; a minimum of eight elective hours from ART 213, 251, 261, 275, 282, 313, 316, 321, 322, 351, 356, 360, 370, 393, CAT 341, PHI 342. Professional education requires 31 hours including EDU 150, 260, 312, 322, 411, 431, and PSY 240. ENG 210 and PSY 340 are also required.

Either baccalaureate degree in art education for middle school, junior high, and senior high (grades 5-12) and secondary education (grades 7-12) must complete a total of 41 hours including ART 101, 151, 271, 281, 300, 331, 355;
HUM 230 or 330; IAS 493; two art history courses from ART 213, 313, 316, or 370; one course from ART 321, 322, or 341; at least three elective hours from ART 251, 261, 275, 321, 322, 341, 351, 370, 393, CAT 341. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 342 is required for junior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required.

The art education minor requires 26-28 hours including ART 101, 151, 271, 281, 300, 331; two art history courses from ART 213, 313, 316, or 370; two to four hours of electives from ART 251, 261, 275, 321, 322, 341, 370.

Computer Graphic Arts
The art department, in cooperation with the computing and system sciences department, offers a computer graphic arts major that combines computer science and art courses. See Computing and System Sciences for program details.

Art Studio Courses

ART 101 3 hours
Drawing I
Introduction to the fundamentals of observation and rendering, perspective and composition, using a variety of drawing mediums. Offered fall and spring semesters.

ART 151 3 hours
Fundamentals of Art and Design
A foundation course for understanding and creating the visual arts. The traditional elements and principles of design composition and color theory, as well as methods for creative problem solving, are covered. As a studio skills class, the course is structured around a related series of projects utilizing a variety of mediums. Offered fall and spring semesters.

ART 201, 301 3 hours
Drawing II, III
Intermediate level problems deal with the human figure and advanced conceptual approaches as they relate to drawing as an artistic end. Prerequisite: ART 101. For 301, previous course(s) in sequence and signed permission of the instructor are required.

ART 251 3 hours
Graphics I: Typography
An introduction to graphic design and visual communication. The essential principles of type design and graphic layout techniques are explored through studio projects. The relationship between graphic design and the realm of advertising and commerce is discussed. Offered fall semesters.

ART 261 3 hours
Photography I
Introduction to the fundamentals of black and white photography. History, composition, darkroom processes, and artistic techniques are presented with an emphasis on individual explorations of the medium. Students must provide a 35mm camera with adjustable shutter and aperture diaphragm to enroll. Offered fall and spring semesters.

ART 271, 371, 471 3 hours
Three Dimensional Design I, II, III
Foundational, intermediate, and advanced use of the technical skills and conceptual issues of creating with form and space. Studio projects employ the additive, subtractive, and casting methods and the materials clay, plaster, wood, plastics, and metal. Prerequisite: ART 151 for all art majors. For 371 and 471, previous course(s) in sequence and signed permission of the instructor are required. Offered spring semesters.

ART 275, 375, 475 3 hours
Jewelry I, II, III
Beginning through advanced metalworking projects use various techniques, with precious and non-precious metals, to create jewelry forms. Soldering, enameling, metal casting, and stone setting are covered. Advanced projects refine the basic techniques through individual exploration. Prerequisite: ART 151 for all art majors. For 375 and 475, previous course(s) in sequence and signed permission of the instructor are required. Offered fall semesters.

ART 281 3 hours
Ceramics I: Handbuilt Forms
An introduction to basic clay formation techniques with an emphasis on the sculptural and asymmetrical potentials of hand constructed clay forms. The essentials of the ceramic process are covered: forming, glazing, and transformation through firing. Prerequisite: ART 151 for all art majors. Offered fall semesters.

ART 282 3 hours
Ceramics II: Wheel Throwing
The use of the potter's wheel for forming vessel and sculptural forms is introduced. Form and surface design are considered as well as alternate firing techniques. Prerequisite: ART 281 for all art majors. Offered spring semesters.

ART 321, 421 3 hours
Painting: Oil/Acrylic I, II
Basic elements of the materials, color theory techniques, and composition as used in historical and contemporary styles of painting. Consideration of the work of individual painters introduces various conceptual approaches to painting. Advanced work includes the refining of technical skills and individual exploration. Prerequisites: ART 101, 151. For 421, the signed permission of the instructor and 321 are required. Offered fall semesters.

ART 322, 422 3 hours
Painting: Watercolor I, II
The essential tools, techniques, and processes for painting in the watercolor medium are presented. Advanced work includes the refining of technical skills and individual exploration. Prerequisites: ART 101, 151. For 422, the signed permission of the instructor and 322 are required. Offered spring semesters.

ART 341, 342, 441 3 hours
Printmaking I, II, III
The potential of hand printing as an expressive medium is explored through image making in the relief, intaglio, and lithographic processes. Intermediate and advanced studies address the refining of skills and the individual exploration of one or two processes. Prerequisites: ART 101, 151. For 342 and 441, the previous course(s) in the sequence and the signed permission of the instructor are required. Offered fall semesters.

ART 351, 451 3 hours
Graphics II, III
Advanced studio exercises address the issue of graphic design and public image in contemporary society. Students explore the impact of graphic communication and its influence in corporate identity, packaging, and publication design. The ability to apply both conceptual and technical skills to design problems is emphasized. Prerequisite: ART 251. For 451, signed permission of the instructor and 351 are required.
ART 355, 356  3 hours
Computer Assisted Design I, II: Graphics
An introduction to digital illustration and photographic image manipulation as fundamental techniques in computer graphic design. Directed lab projects introduce the basic skills of drawing, scanning, and graphics layout, using the computer as the primary design tool. Intermediate study pursues individual applications for photo-imaging or graphic design. Prerequisites: ART 101, 151, 251 for all art majors. For 356, the signed permission of the instructor and 355 are required. Art 355 is offered fall and spring semesters.

ART 361, 461  3 hours
Photography II, III
The advanced techniques of studio lighting, filtration, electronic flash, larger camera formats, and metering are covered as well as their applications to portrait, product, and macro photography. Color photographic processes and professional presentation methods are presented. Students must provide a single-lens reflex camera with adjustable shutter and aperture diaphragm to enroll. Prerequisite: ART 261. For 461, the signed permission of the instructor and 361 are required.

ART 381  3 hours
Ceramics III
Individual projects explore a focused theme using hand building, wheel throwing, casting, or alternate methods. Scheduled with 281 or 282. Prerequisites: ART 151, 281 or 282, and the signed permission of the instructor are required.

**Art History and Art Education Courses**

ART 170/370  1-4 hours
Selected Topics

ART 213  3 hours
Western Art History I
A survey of architecture, sculpture, and painting from prehistory to the Late Gothic in Europe and the Near East. Offered alternate fall semesters.

ART 300  3 hours
Art for Teachers
Opportunities for the development of skills and learning experiences for use in the elementary classroom. Introduction to the components of Discipline Based Art Education through lecture, studio projects, and out of class assignments. Offered fall and spring semesters.

ART 313  3 hours
Western Art History II
A survey of architecture, sculpture, and painting from the Proto-Renaissance to the present in Western Europe and the United States. Prerequisite: ART 213 recommended. Offered alternate spring semesters.

ART 316  3 hours
Asian Art History
A survey of the visual arts of India, China, and Japan as an overview of the primary cultures of the Eastern world. The architecture, painting, and sculpture of Hinduism, Buddhism, Confucianism, Taoism, Shintolism, and Islam are considered. Prerequisites: ART 213 recommended.

ART 331  3 hours
Introduction to Art Education
A survey of the history and philosophy of art education. The course utilizes the disciplines of art criticism, history, aesthetics, and production to acquire information, develop resources, and create a variety of learning experiences for students of various developmental levels. Offered fall semesters.

ART 360  1-4 hours
Independent Study

ART 393  1-4 hours
Practicum

IAS 493  4 hours
Senior Seminar
The purpose of the biblical studies, Christian education, and philosophy department is two-fold. First, the eleven-member department teaches four general education courses that are required of the entire student body: BIB 110, BIB 210, REL 313, and PHI 413. These four courses are sequential, and each successive course serves as the prerequisite for the next. The purpose of these general education courses is to equip students with enough theological and philosophical substance so that they will be able to integrate biblical truth within their respective disciplines as well as think and live “Christianly” in our post-modern world. A.W. Tozer said, “The history of mankind will probably show that no people has ever risen above its religion, and man’s spiritual history will positively demonstrate that no religion has ever been greater than its idea of God.” Thus, the ultimate goal of the general education courses taught within this department is that the student know and love God with all his heart and mind (John 17:31; Luke 10:27) and become more Christlike in thought, speech, and action (Romans 8:29).

Second, the department offers three majors—biblical literature, Christian education, and philosophy—to prepare students who will demonstrate competence in biblical, educational, and philosophical truth in preparation for graduate studies and lifelong servant/leadership roles in professional Christian ministries.

In addition, four minors are offered in biblical languages, biblical literature, Christian education, and philosophy; and two baccalaureate certificate programs are offered in youth ministry and missions.

Taylor University seeks to provide pretheological students with the cultural and intellectual foundations essential to their graduate study and ministry. In addition to the basic tools of a liberal arts education, the student desiring to attend seminary should take an introductory course in philosophy and logic and be able to read at least one theologically significant foreign language. The primary language is Greek, although Hebrew is also recommended. As an alternative, a modern language may be substituted, but should be either French or German.

Students who plan to pursue seminary study should seek the counsel of the department faculty and consult with the appropriate denominational authorities to determine which graduate school(s) would best prepare them for their anticipated career. Early in their senior year, students should correspond with the school(s) to which they intend to apply.

Many of the department’s majors choose to take advantage of Taylor’s affiliation with Jerusalem University College and spend a semester studying in Jerusalem. Men and women anticipating seminary study should also select other electives in their undergraduate course of study that encompass the world of ideas, the world of nature, and the world of human affairs.

Biblical Languages
Primarily, the courses enable one to read and study the Bible in the original languages. Enrichment of historical concepts of communication, depth and breadth of Christian perspective, and cultural appreciation of the biblical world are secondary concerns of biblical language studies. In addition, the two-year Greek sequence meets the language requirement for graduation and satisfies or exceeds the language entrance requirements for most seminaries.

A minor in biblical languages consists of 17 hours of credit beyond GRK 201 and 202. Required courses include GRK 301, 302, 450; HEB 201 and 301.

Biblical Literature
The bachelor of arts degree with a major in biblical literature requires two years of one foreign language and 36 hours beyond BIB 110 and 210 general education requirements. At least 27 of the 36 hours must be in biblical literature including BIB 272, 320, 341, 462, 480; IAS 493; and 15 hours of BIB electives. Also required are PHI 262 or 371 and six additional departmental elective hours from BIB, CED, PHI, or REL. Students majoring in both biblical literature and Christian education will only be required to take IAS 493 once. Candidates for a major in biblical literature must earn at least a C- in BIB 110, BIB 210, REL 313, and PHI 413.

A minor in biblical literature requires 15 hours of credit beyond the general education required courses of BIB 110 and 210. For this minor, two courses in Old Testament and two courses in New Testament are required, plus one other BIB, CED, or REL elective (excluding REL 313).

Biblical Literature/Systems
The bachelor of science degree with a major in biblical literature/systems...
consists of the 36-hour major requirement and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; BIB 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better. Candidates for a major in biblical literature/systems must earn at least a C- in BIB 110, BIB 210, REL 313, and PHI 413.

**Christian Education**

The Christian Education program of Taylor University is designed to help students prepare for full-time Christian ministry in a variety of arenas. Courses balance theory and practice as the biblical, theological, historical, philosophical, and educational foundations of ministry are explored. The program emphasizes personal spiritual growth and strong relationships as a foundation for effective ministry. Students learn collaborative thinking, planning, programming, and evaluation strategies while encouraged to identify and use their spiritual gifts in ministry during their years as students.

Students may apply for admission to the Christian Education program upon completion of CED 100 and 262 and one semester of experience in a departmentally approved ministry. Students are considered for admission if they meet the following criteria: 3.00 in the major and 2.50 overall GPA, at least one semester of experience in a departmentally approved ministry, and an interview with members of the Christian Education faculty.

The application process includes the following components: First, complete a written application. Second, submit letters of recommendation from a pastor, a ministry supervisor, and, for residential students, a residence life staff person; nonresidential students must provide an additional character reference. Third, participate in an interview with a department committee, which consists of Christian Education faculty and two other department members.

A bachelor of arts degree with a major in Christian education requires two years of one foreign language and at least 50 hours including CED 100, 232, 242, 262, 351, 352, 371, 393 (3-4 hours); 421; BIB 272, 462 and two BIB electives; either PHI 262 or 371; PSY 250; and IAS 493. In addition to CED 393, four semesters of departmentally approved ministry are required. Students are encouraged to fulfill their language requirement by studying two years of Greek. Students majoring in both Christian education and biblical literature will only be required to take IAS 493 once. Candidates for a major in Christian education must earn at least a C- in BIB 110, BIB 210, REL 313, and PHI 413.

A minor in Christian education requires at least 18 credit hours including CED 100, 262, 351, 352, 371, and BIB 272. Two semesters of experience in departmentally approved ministry are required for the minor.

**Christian Education/Systems**

The bachelor of science degree with a major in Christian Education/systems consists of the 50-hour major requirement and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; BIB 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better. Candidates for a major in Christian education must earn at least a C- in BIB 110, BIB 210, REL 313, and PHI 413.

**Philosophy**

The bachelor of arts degree with a major in philosophy requires at least 34 hours of credit including PHI 201, 202, 203, 413, 452; IAS 493; and 15 hours of PHI electives from PHI 110, 262, 322, 323, 342, 371, 432. POS 361 and 362 may also count toward the major.

A minor in philosophy requires 16 hours of credit including the required courses PHI 201, 202 or 203, 413, and 7 hours of PHI electives. POS 361 and 362 may also count as electives for the minor.

Seniors will write a scholarly paper that fulfills the requirements for the comprehensive exam.

**Philosophy/Systems**

The bachelor of science degree with a major in philosophy/systems consists of the 34-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; PHI 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better.

**Religious Studies**

Courses in religious studies help students complete a certificate in missions, serve as departmental electives, and meet general education requirements (REL 313 only).

**Certificate Programs**

The certificate in missions is available to students in any baccalaureate major program. Students are required to complete 18 hours including BIB 330, REL 311, 391, 432, and PHI 322 or 323. In addition, the student must complete a cross-cultural experience that may or may not be for credit. Suggestions include involvement in Taylor World Outreach, a semester abroad, Christian Center for Urban Studies, Lighthouse, and REL 393 practicum. Approval is to be secured in advance from the department. Also, students must complete two additional courses that will enhance the purpose for selecting the certificate program. Courses in mass communication, environmental science, biblical literature, linguistics, or history and geography of a particular region are appropriate.

The certificate in youth ministry is an academic program for students from various baccalaureate majors interested in developing their skills in ministering to youth. This program also provides Christian education majors with an optional area of specialization in youth ministry. The certificate in youth ministry helps prepare graduates for ministries such as InterVarsity, Campus Crusade, and Youth for Christ. In addition, the certificate may be earned.
in combination with any major as an ideal way for students to integrate career and ministry goals. Students majoring in biblical literature, Christian education, or philosophy who plan to work with youth may strengthen their credentials by adding the certificate. The student must complete 19 hours including the following courses: CED 100, 221, 312, 322, 393 (2 hours), BIB 272, and PSY 250 or 340.

Courses with a grade below a C– may not be counted toward the certificate.

Biblical Literature Courses

BIB 103 3 hours
Introduction to Holy Land Studies
A study of the biblical background and contemporary significance of Israel. Taught in Israel during January. This course may count for either BIB 110, BIB 210, or a departmental elective. Offered interterms.

BIB 110/310 3 hours
Biblical Literature I
A course that has as its primary content the Old Testament with special attention given to the law, the prophets, and the history of Israel. BIB 310 is designed primarily for transfer students and has additional requirements.

BIB 170/370 1-4 hours
Selected Topics

BIB 210 3 hours
Biblical Literature II
A course that includes a foundation in New Testament study with focus on Jesus Christ as portrayed in the Gospels and Epistles. Also included is a series of explorations into the relevancy of Christ to modern life. Prerequisite: BIB 110/310.

BIB 272 3 hours
Inductive Study of the Bible
Specific methods are taught to enable students to understand the propositions of the biblical text, relate those propositions to one another, and ask questions of the text in order to discover what the biblical writers meant to convey through their writings. This course incorporates the departmental computer competency requirements for biblical literature and Christian education majors. Prerequisites: BIB 110/310 and 210.

BIB 320 3 hours
Pentateuch
Emphasizes the historical narrative and the content of the Law of God. Special attention is given to the Genesis account of the origin of the cosmos, man, sin, and salvation. The authorship of the Pentateuch is considered. Prerequisite: BIB 110/310. Offered spring semesters.

BIB 330 3 hours
Acts and the Early Church
A historical study with particular attention given to the missionary expansion of the early church, the work of the Holy Spirit, and the place of the church in the world. Prerequisite: BIB 210. Offered spring semesters.

BIB 331 3 hours
Pauline Epistles
Attention is given to the life, ministry, and writings of Paul. The doctrinal, pastoral, and personal epistles of Paul are studied with reference to their geographical and historical settings, the organization of the Apostolic Church, and the development of Christian doctrine. Careful exegesis is made of selected portions of each epistle. Prerequisite: BIB 210. Offered fall semesters.

BIB 332 3 hours
Hebrews and General Epistles
A study of the non-Pauline epistles with attention to their authorship, historical place in the canon, and doctrinal uniqueness. The contents of each book are analyzed, and problem texts are treated. Prerequisite: BIB 210. Offered spring semester of odd years.

BIB 340 3 hours
Hebrew Prophets
Selected major and minor prophetic works of the Old Testament are considered with special emphasis given to the historical background. Messianic message, and content together with specific theological concepts and teachings that are pertinent to modern times. Prerequisite: BIB 110. Offered fall semesters.

BIB 341 3 hours
The Gospels
Stresses the life and teaching of Jesus as set forth in the Synoptic Gospels and John. Attention is given to the literary and theological characteristics of each individual gospel and to the development of gospel criticism. The primary focus, however, is on the words and works of Jesus Christ and their significance for Christians today. Prerequisite: BIB 210. Offered fall semesters.

BIB 350 3 hours
Poetic and Wisdom Literature
Hebrew poetry and wisdom as presented in the books of Job, Psalms, Proverbs, Ecclesiastes, Lamentations, and the Song of Solomon. Prerequisite: BIB 110. Offered fall semesters.

BIB 360 1-4 hours
Independent Study

BIB 362 3 hours
Jewish Literature of the Second Temple Period
The development of Judaism beginning with the Ezra literature through the Bar Kochba revolt. Prerequisite: BIB 110. Offered spring semester of even years.

BIB 393 1-4 hours
Practicum

BIB 420 3 hours
Apocalyptic Literature of the Bible
Examines the historical and theological dimensions of Old Testament, New Testament, and second Temple period apocalypticism. Special attention is given to apocalyptic thought in Daniel, the gospels, and Revelation. Prerequisite: BIB 110 and 210. Offered spring semester of even years.

BIB 452 3 hours
Old Testament Historical Literature
Selected historical books in the Old Testament are considered with particular emphasis given to the authorship, historical theory, and theological content of these books. Prerequisite: BIB 110. Offered spring semester of odd years.
BIB 462 3 hours
Biblical Theology
A study of the Bible and its central message and meaning. The Bible is viewed as recording a special kind of history revealing God's will and purpose and giving essential meaning to all human life and destiny. This course is normally taken during the senior year. Prerequisite: BIB 272.

BIB 480 2 hours
Seminar in Biblical Literature
A research course focusing on key exegetical, historical, and theological issues crucial to a proper understanding of the biblical literature. This course meets university requirements for senior comprehensive exams for biblical literature majors. Prerequisites: BIB 272, 320, and 341.

BIB 490 1-2 hours
Honors
IAS 493 4 hours
Senior Seminar

**Christian Education Courses**

CED 100 3 hours
Introduction to Christian Education
A course that focuses on the purpose and scope of Christian education and the types of ministries available to majors. Prerequisite: for all other CED courses except CED 221, 312, 322, 392.

CED 170/370 1-4 hours
Selected Topics

CED 221 3 hours
Ministry to Youth
A general study of the various programs used to meet the needs of junior high and senior high youth through church and parachurch ministries. Offered interims.

CED 232 3 hours
History of Religious Education
A course focusing on the major individuals and movements influencing religious education from biblical times until the present. Prerequisite: CED 100. Offered fall semesters.

CED 242 3 hours
Theoretical Foundations of Christian Education
A course exploring the various current theories of Christian education. Prerequisite: CED 232. Offered spring semesters.

CED 262 3 hours
Personal Foundations for Ministry
Students' capacity for ministry is enhanced in this course by facilitating personal growth and development. Emphasis is given to the ways theological truths address life issues. Prerequisite: CED 100.

CED 300 3 hours
Cross-Cultural Christian Education
Stresses principles of cross-cultural communication, evangelism, teaching, and leadership development involving a field experience of ministering in another culture. Offered summers.

CED 312 2 hours
Evangelism in Youth Ministry
An intensive study of the various theories and approaches used to prepare junior high and senior high youth to become Christians. Offered spring semesters.

CED 322 2 hours
Discipleship in Youth Ministry
An intensive study of the theories and approaches used to help junior high and senior high youth to grow and develop in their faith. Offered fall semesters.

CED 351 3 hours
Teaching and Learning Strategies
A practical course designed to help the student teach the Bible more effectively by the use of educational strategies. A teaching lab and supervision are included, and competency in the use of instructional media is required. Prerequisites: CED 100 and BIB 272. Offered fall semesters.

CED 352 3 hours
Program and Curriculum Development
A course that focuses on the development of educational programs within church and parachurch ministries. Emphasis is on published curricula and the development of curricular writing skills. Prerequisite: CED 351. Offered spring semesters.

CED 360 1-4 hours
Independent Study

CED 371 3 hours
Leadership Development
A course designed to facilitate the development of the students' skills in leadership, organization, and management related to specific ministry situations. Prerequisite: CED 100. Offered fall semesters.

CED 392 3 hours
Urban Ministry
Stresses principles of ministering within an urban context involving a field experience. Offered interims.

CED 393 2-4 hours
Christian Education Practicum
A practical, supervised involvement in ministry, preferably after a student's junior year. Majors must enroll for 3-4 hours. Youths certificates require 2-4 hours. Offered summers.

CED 421 3 hours
Specialized Ministries
A research course designed to help students articulate their philosophy of ministry within a particular age group or ministry context. Attention is given to critical areas of need within Christian education. This course meets university requirements for senior comprehensive exams for Christian education majors. Graduating CED majors only. Offered spring semesters.

CED 490 1-2 hours
Honors
IAS 493 4 hours
Senior Seminar

**Greek and Hebrew Courses**

GRK 201 4 hours
Elementary New Testament Greek
A study of the fundamental principles of New Testament (Koine) Greek grammar. Emphasis is placed on the mastery of forms, memorization of vocabulary, and translation of sentences from Greek to English. Offered fall semesters.

GRK 202 4 hours
Elementary New Testament Greek
A continuation of the study of the fundamental principles of New Testament (Koine) Greek grammar. John's First Epistle is translated during the last half of the semester. Prerequisite: GRK 201. Offered spring semesters.

GRK 301 4 hours
Greek Grammar and Syntax
An intermediate Koine Greek grammar course that places special emphasis on the more exegetically significant details of Greek grammar and syntax by reading and analyzing selected portions of the Greek New Testament. Prerequisite: GRK 202. Offered fall semesters.

GRK 302 4 hours
Exegesis of the Greek New Testament
An introduction to the procedure and practice of Greek exegesis. Emphasis is placed on the "how-to's" of doing textual criticism, word studies, outlining the argument of a passage, validating exegetical decisions, and the proper use
of exegetical tools. Prerequisite: GRK 301. Offered spring semesters.

GRK 401 4 hours Advanced Exegesis of the Greek New Testament
An extension of skills developed in GRK 301 and 302. Offered by arrangement with the instructor.

GRK 450 3 hours Seminar in Biblical Languages
Stresses translation and exegesis of Greek and Hebrew texts. Special issues such as the New Testament's use of the Old Testament are considered. Prerequisites: GRK 302, HEB 301. Offered spring semesters.

HEB 201 3 hours Elementary Old Testament Hebrew
A study of the fundamental principles of Old Testament Hebrew. Emphasis is placed on the mastery of forms, memorization of vocabulary, and translation skills. Selections from Ruth and Jonah are translated during the second half of the course. Offered fall semester of even years.

HEB 301 3 hours Hebrew Exegesis
Stresses exegesis of Old Testament Hebrew narrative and poetry. Texts from the law, prophets, and writings are translated. Textual criticism is considered. Prerequisite: HEB 201. Offered spring semester of even years.

**Philosophy Courses**

PHI 110 3 hours Introduction to Philosophy
A survey of important issues and traditions in philosophy. Offered fall semesters.

PHI 170/370 1-4 hours Selected Topics

PHI 201 3 hours Logic
A study of classical and contemporary formulations of the principles of human thought. Proper deductive and inductive logic is contrasted with fallacies. Categorical logic, truth functional logic, and quantificational logic are examined. Offered fall semesters.

PHI 202 3 hours History of Philosophy I
A survey of philosophical thought from the early pre-Socratic Greeks to the modern period. Offered fall semesters.

PHI 203 3 hours History of Philosophy II
A survey of philosophical thought from the modern period to contemporary movements such as linguistic analysis and phenomenology. Offered spring semesters.

PHI 262 3 hours Contemporary Issues
A systematic analysis of pressing issues such as sexual morality, divorce, abortion, homosexuality, euthanasia, and war and peace. Offered spring semesters.

PHI 322 3 hours World Religions: Western Tradition
A study of Judaism, Islam, Zoroastrianism, and related religious movements. Offered fall semesters.

PHI 323 3 hours World Religions: Eastern Tradition
A study of Hinduism, Buddhism, Sikhism, Shinto, and Chinese religions. Offered spring semesters.

PHI 342 3 hours Aesthetics
A study of classical and contemporary theories about the nature of art, the artistic process, the psychology of aesthetic experience, and standards for good art. Offered spring semester of even years.

PHI 360 1-4 hours Independent Study

PHI 371 3 hours Principles of Ethics
A survey of the theoretical foundations of ethics such as the distinction between absolutist and relativistic views, the nature of justice, and the need for rules. Readings from classical and modern authors are included. Offered fall semester of odd years.

PHI 393 1-4 hours Practicum

PHI 413 3 hours Contemporary Christian Belief
The integration of Christian thought with contemporary ideas. An introduction to Christian apologetics. Required of all students. Prerequisite: REL 313.

PHI 432 3 hours Epistemology
Contemporary theories on the nature and limits of knowledge and the justification of beliefs. Offered fall semester of even years.

PHI 452 3 hours Philosophy of Religion
A study of the major issues in the philosophy of religion including religious experience, theism, religious language, and the problem of evil. Offered spring semester.

PHI 490 1-2 hours Honors

IAS 493 4 hours Senior Seminar

**Religion Courses**

REL 170/370 1-4 hours Selected Topics

REL 311 2 hours Foundations of Christian World Mission
A study of the biblical, theological, and historical foundations of Christian mission strategy. Offered fall semesters.

REL 313 3 hours Historic Christian Belief
A survey of Christian belief as developed during the history of the church. Required of all students. May not be counted towards BIB, CED, or PHI majors. Prerequisites: BIB 110/310 and 210.

REL 360 1-4 hours Independent Study

REL 391 3 hours Preparation and Strategy for Christian World Mission
An introduction to the personal and ministry issues relevant to missionary life and service. Trends and models of cross-cultural ministry are explored. Attention is given to knowledge, skills, and attitudes essential for cross-cultural adaptation. A spring break cross-cultural mission trip is sometimes included. Offered spring semesters.

REL 393 1-4 hours Practicum

REL 432 2 hours World Mission Area Studies
A research seminar designed for students to explore mission opportunities in an area of the world that interests them. The geography, people, history, economics, culture, government, language, and religion of an area and mission strategies appropriate to the region are considered. Offered spring semesters.

REL 490 1-2 hours Honors
BIOLOGY

Chair, Associate Professor J. Moore; Professors Burholder, Rothrock, Squiers, Whipple; Associate Professors J. Reber, Regier

The purpose of Taylor University's Department of Biology is to prepare Christian men and women for service to a world in need. This goal is met through offering the breadth and quality of critically relevant course work necessary to prepare undergraduate biology majors for graduate and professional programs in the biological sciences; presenting the essentials of modern, dynamic biology to students as part of the university's general education curriculum; and continuing professional development of faculty as both scholars and scientists and to function as role models for students. The biology faculty acknowledges the need to integrate faith and learning including the continuing exploration of the ethical implications in the application of modern biological science to the problems facing humankind today.

The bachelor of arts degree requires completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in education or systems analysis. Majors are required to pass the biology subject test of the Graduate Record Exam (GRE) in the fall semester of their senior year to fulfill the senior comprehensive examination.

Biology

The bachelor of arts degree with a major in biology requires two years of one foreign language and 50 hours in the major including BIO 101, 103, 104, 203, 204; six hours in the summer field program from BIO 304 and 393 or equivalent courses from The Ausable Institute of Environmental Studies selected from BIO 302, 313, 323, 342, or 370; 15 elective hours from BIO 243, 244, 245, 301, 307, 312, 322, 331, 332, 341, 352, 360, 370, 371, 380, 450, 490; ENS 231; CHE 411. A minimum of 31 hours in the major must be from courses other than BIO 360, 393, 450, or 490. Also required, but not counted in the major grade point average, are 14 hours including CHE 201 or 211, CHE 202 or 212, and IAS 493. The following courses are strongly recommended: CHE 311, 312; PHY 203 or 211 and 211L, PHY 204 or 212 and 212L; NAS 480.

Biology/Systems

The bachelor of science degree with a major in biology/systems consists of the 50-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; BIO 393 (3-4 hours); an additional six hours of systems elective courses from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better.

Biology/Premedicine Preprofessional Concentration

Program Director, Tim Burholder

The bachelor of arts degree with a major in biology and a preprofessional concentration in premedicine requires two years of one foreign language and 69-72 hours in the major including BIO 101, 103, 104, 203, 204, 393; four elective courses from BIO 312, 331, 332, 352, 362, CHE 411; and three to four hours of biology electives. Also required, but not counted in the major grade point average, are 32 hours including CHE 201 or 211, 202 or 212, 311, 312; PHY 203 or 211 and 211L, 204 or 212 and 212L; IAS 493; one math course from MAT 130, 140, 151. BIO 231 will also count toward the biology elective hours.

Students are required to make formal application to the premedicine program in the spring semester of their sophomore year or after completion of 45 hours of course work. Students must have completed four of the five biology core courses, one year of chemistry, the math requirement, and have a cumulative grade point average of 3.30.

Students interested in the premedicine curriculum should purchase a copy of the Premedicine Program Student Handbook sold in the Taylor University Bookstore. They should also go to the circulation desk in the Zondervan Library and check out the catalog on medical school admissions requirements sometime during their sophomore year. Meeting the specific entrance requirements of the medical school(s) chosen is important. Maintaining at least an A- average and scoring well on the MCAT test (usually taken in the spring of the junior year) are common prerequisites for acceptance to a medical school. Help is available toward preparing for the MCAT examinations.

Biology Science Education

The biology science education major requires 71-87 hours and includes a general science core (17-22 hours), a primary major area in biology (39-41 hours), and a supporting science concentration area (15-24 hours). Courses completed under the primary or supporting science areas are in addition to the general science core. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

The general science core of 17-22 hours includes four to eight hours from BIO 100, ENS 200, ENS 231, BIO 244 and 245 or BIO 331 and 352; 4 hours from GEO 210, GEO 240, or PHY 201; 9-10 hours from CHE 201 or 211; PHY 203 and 211L or PHY 211 and PHY 211L.

The biology science major area of 39-41 hours includes BIO 101, 103, 104, 203, 204, 244 and 245 or 331 and 352, BIO 301 or 341, BIO 371; six hours of field experience; IAS 493.

The chemistry science concentration area consists of 15 hours including CHE 202 and 10 hours of chemistry electives.

The general science concentration area consists of 17-18 hours including CHE 202, PHY 204 and 212L or PHY 212 and 212L, PHY 201, and GEO 240 or GEO 210.

The mathematics science concentration area consists of 24 hours including MAT 151, 230, 240, 250, 312, and one elective course from MAT 352, 361, or 412.

The physics science concentration area consists of 16 hours including PHY 212 and 212L and 11 hours of electives from PHY 301, 311, 312, 321, 322, 330, 331, 341, 342, 412.
A minor in biology science education requires 30 hours including BIO 101, 103, 104, 203, 204, 244 and 245, 301 or 371, and CHE 201.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years. Therefore, specific programs in teacher education may change.

**Environmental Biology**
The biology department, in cooperation with the earth and environmental science department, offers an environmental biology major for students with career goals in ecosystem analysis, environmental planning and resource management, human ecology, outdoor education, forestry, fisheries and wildlife sciences, parks and recreation, or resource development. Interested students should refer to the earth and environmental science department for program requirements.

**AuSable Institute of Environmental Studies**
Taylor University is affiliated with the AuSable Institute of Environmental Studies (AIES) in Mancelona, Michigan. Taylor students may take summer courses for credit at AuSable. Detailed information is available from the AIES representative of the biology department.

### Biology Courses

**BIO 100 5 hours**
*General Biology*
Concepts and principles of biology are studied to provide basic knowledge that assists the student to meet the obligations of an informed citizen. Four hours lecture and two hours laboratory per week. Fulfills general education lab science requirement but is not available to biology majors. The spring semester of General Biology is intended for elementary education majors as a content course that emphasizes instructional methodologies in science education.

**BIO 101 3 hours**
*Principles of Cell Biology*
Study of generalized subcellular structures and metabolism emphasizing dependence of function on structure, principles of organization, and capture and utilization of energy. Three hours lecture and two hours laboratory per week. Does not normally satisfy general education lab science requirement.

**BIO 103 3 hours**
*Introductory Plant Biology*
Introduction to plants, monerans, algae, and fungi. Structure, growth, and development of the flowering plant body are emphasized. Two hours lecture and two hours laboratory per week. Does not normally satisfy general education lab science requirement.

**BIO 104 3 hours**
*Introductory Animal Biology*
A taxonomic survey of the major phyla in the animal kingdom from Protozoa through Chordata. Classification, characteristics, representative forms, and relations to man are considered. One hour lecture and four hours laboratory per week. Does not normally satisfy general education lab science requirement.

**BIO 200 4 hours**
*Human Nutrition*
A study of human nutrition dealing with human consumption and utilization of food. An understanding of the basic roles of nutrients in the body creates an appreciation of the continuity of the life cycle with its changing nutritional needs. Three hours lecture and two hours laboratory per week. Prerequisite: CHE 100 or permission of instructor. Fulfills general education lab science requirement but is not available to majors for major credit. Offered interterm of odd years.

**BIO 203 3 hours**
*Principles of Genetics*
Fundamental principles of Mendelian inheritance as they apply to living organisms are examined. Population genetics is studied as well as natural selection and the concepts of evolution and creation. Three hours lecture and two hours laboratory per week. Does not normally satisfy general education lab science requirement.

**BIO 204 3 hours**
*Principles of Ecology*
An introduction to the relationships existing between organisms and their environment. Lectures focus on the structural and functional aspects of populations, communities, and ecosystems in the context of the major North American biomes. Two hours lecture and two hours laboratory per week. Does not normally satisfy general education lab science requirement.

**BIO 243 5 hours**
*Human Anatomy and Physiology*
A survey of the structure and function of the human organism. Fulfills general education lab science requirement. Offered summers only.

**BIO 244 3 hours**
*Human Anatomy and Physiology I*
The first of a two-course survey covering the structure and function of the human body. BIO 244 plus BIO 245 fulfills the general education lab science requirement. Offered fall semesters.

**BIO 245 3 hours**
*Human Anatomy and Physiology II*
The second of a two-course survey covering the structure and function of the human body. BIO 244 plus BIO 245 fulfills the general education lab science requirement. Offered spring semesters.

**BIO 301 4 hours**
*Taxonomy of Vascular Plants*
Identification, classification, and systematic of vascular plants are studied. Laboratory emphasis is on local flora, plant family characteristics, and modern systematic techniques. Two hours lecture and four hours laboratory per week. Prerequisites: BIO 103. BIO 203 is recommended. Offered fall semesters.

**BIO 302 4 hours**
*Limnology*
Field study of lakes and other freshwater systems with applications to planning and management. Includes an introduction to limnology and investigation of representative lakes, streams, and wetlands of the region and compares the North American Great Lakes with the other great lakes of the world and their stewardship. Prerequisite: one year of BIO 103, 104 and CHE 201 or 211. Offered summers at AIES.

**BIO 304 4 hours**
*Field Studies in Natural History*
Introduction to basic field and lab methods used in field natural history. Includes basic nomenclature of spring flora and fauna in terrestrial as well as aquatic systems. Provides an overview of the history and philosophy of natural history through the writings of naturalists such as Aldo Leopold, Conrad Lorenz, John Muir, and N. Tinbergen. Prerequisites: BIO 103, 104, 204, or permission of instructor. Offered summer session I.
BIO 307  4 hours  
Vertebrate Natural History
More in-depth than BIO 104, this course looks at the adaptive anatomy, feeding relationships, behavior, life history, and geographical distribution of vertebrates from fishes to mammals. Labs focus on methods currently employed for study of vertebrates in the field and involve several outdoor sessions. Prerequisites: BIO 104 or permission of the instructor. BIO 204 is recommended. Offered spring semesters.

BIO 312  4 hours  
Cellular and Molecular Biology
Analysis of the living cell with regard to its physiological and biochemical characteristics including enzyme function, bioenergetics, nucleic acid replication, and biosynthesis as related to the cell cycle. Three hours lecture, one-three-hour laboratory per week. Prerequisites: BIO 101 and 203. Two courses in chemistry (Organic recommended).

BIO 313  3 hours  
Insect Biology and Ecology
A study of insect taxonomy, ecology, life histories, and economic importance. Special attention is given to environmental stewardship issues including use of insecticides, biological control, integrated pest management, and impact of cultivation on formation of pest faunas. Field methods are stressed. Prerequisites: BIO 101, 104. Offered summers at AIES.

BIO 322  3 hours  
Ornithology
Biology, behavior, ecology, and identification of birds. Work is primarily conducted in the field and covers the major habitats of northern lower Michigan, including wetlands, lakes, rivers, forests, dunes, and open field communities. Emphasis is placed on identification of the spring bird fauna of northern lower Michigan by sight and by call. Prerequisite: One course in introductory biology and animal biology. Offered summer session 1 at AIES.

BIO 323  3 hours  
Aquatic Biology
Collection, identification, and ecological position of fresh-water organisms. Taxonomic skills are developed. Prerequisites: BIO 103, 104, and 204. Offered summers at AIES.

BIO 331  4 hours  
Comparative Anatomy
Classification, characteristics, and comparison of typical chordate animals with emphasis on the vertebrates. Two hours lecture and four hours laboratory per week. Prerequisite: BIO 104 or permission of instructor. Offered fall semesters.

BIO 332  4 hours  
Developmental Biology
A study of development at the molecular, cellular, and organismal levels. The lecture sessions focus on current concepts in developmental biology, and the lab is classical vertebrate embryology (frogs, chick, pig). Three hours lecture and three hours laboratory per week. Prerequisites: BIO 101 and 104.

BIO 341  4 hours  
Environmental Physiology
An introduction to the physiology of cells and tissues with emphasis on responses to environmental challenges. Topics include cell structure, protein synthesis and enzymes, water balance, transport, mineral nutrition, metabolism including photosynthesis, and responses to stress and toxins. Three hours lecture and three hours laboratory per week. Prerequisites: BIO 103 and CHE 201, 202. Offered spring semesters.

BIO 342  3 hours  
Fish Biology and Ecology
Identification, ecology, exploitation, and stewardship of fishes and their habitats. Field studies include noncommercial and commercial fisheries in the Great Lakes region, ecological dynamics of fisheries, exploitation and population ecology, fishing techniques, and fishing rights and regulation. Prerequisites: BIO 101, 104, and 204. Offered summers at AIES.

BIO 352  4 hours  
Animal Physiology
A study of the physiological nature of living organisms with special consideration of the functions of vertebrate organ systems. Practical experience is given in working with live animals and the instrumentation used to examine the functional processes of various systems. Three hours lecture and three hours laboratory per week. Prerequisites: BIO 331 and CHE 201, 202. Offered spring semesters.

BIO 360  1-4 hours  
Independent Study

BIO 362  4 hours  
Molecular Genetics
The current understanding of what a gene is, how it functions, and how it is regulated, particularly from a molecular perspective, is the essence of this course. Viral, prokaryotic, and eukaryotic systems are studied. Current scientific literature as well as a published textbook serve as sources. Three hours lecture and one three-hour laboratory per week. Prerequisites: BIO 101 and 203; two courses in chemistry. BIO 371 is recommended.

BIO 370  1-4 hours  
Selected Topics

BIO 371  4 hours  
Microbiology and Immunology
A study of micro-organisms. Major emphasis is placed on the fundamental principles underlying the activities of bacteria and on the preparation of slides and cultures. Some emphasis is placed on the study of virology as well as cellular and humoral immunology. Two hours lecture and four hours laboratory per week. Prerequisite: BIO 101. BIO 203 and two courses in chemistry are recommended.

BIO 380  4 hours  
Systems Ecology
The principles of systems theory are introduced in an integrated study of the development, dynamics, and disruption of natural ecosystems. Theoretical, analytical, and experimental aspects of ecosystems are explored. Students are introduced to the use of microcomputers as a tool in ecosystem modeling. Prerequisite: BIO 204 and one course in college-level mathematics or computer science.

BIO 393  1-4 hours  
Practicum

BIO 450  1-4 hours  
Directed Research

BIO 490  1-2 hours  
Honors

IAS 493  4 hours  
Senior Seminar
BUSINESS, ACCOUNTING, AND ECONOMICS

Chair, Professor Bennett; Professor Erickson; Associate Professors Benjamin, Coe, H. Mitchell; Assistant Professors Cooper, Knudsen; Instructor Gross

The business division seeks to prepare students to demonstrate excellence and Christian values in the competitive global environment of business, not-for-profit organizations, and government and to enter graduate studies.

As an expression of Taylor's multidimensional education philosophy, the business division offers a baccalaureate major in accounting, business administration, economics, international business, and sport management. An associate of arts degree is offered in business administration. Minors are available in accounting, economics, human resource management, finance, management, and marketing. The four business-related minors in human resource management, finance, management, and marketing are used to complement a major outside of the business discipline.

All business division curriculum courses combine theory, principles, techniques, and practical applications to enhance graduates' employment opportunities and serve as a solid groundwork for graduate studies. The relevance of Christian faith to current, real-world situations is emphasized in classes, and field trips and expert guest lecturers are used. Team development and business projects are available in selected business courses, and a practicum experience is required of all business division students. Development of communication skills, both written and oral, is emphasized. Many classes give attention to problem solving and quantitative analysis.

Graduation requirements in the five majors include passing all core courses with grades of C- or better. Additionally, a grade of C- or better must be achieved as a condition for taking subsequent or sequential courses for which the core courses are a prerequisite. Seniors must pass a senior comprehensive examination in their major.

The business division is a member of the Association of Collegiate Business Schools and Programs (ACBSP).

Accounting

The accounting major is designed to prepare students for accounting and financial careers in public accounting, business, government, education, and nonprofit organizations. The program presents accounting theory and practice, current developments, and ethical considerations discussed in a Christian context. Students are taught how to develop, analyze, and interpret financial plans and results and to provide management information in the most useful manner. Guided by faculty advisors, students may pursue programs leading toward certification in public accounting or management accounting. Most states require completion of 150 credit hours before taking the CPA examination.

The bachelor of arts degree with a major in accounting requires two years of one foreign language and 63-64 hours including ACC 241, 242, 303, 341, 342, 393 (4 hours), 405, 416, 442; BUA 260 or COS 120, BUA 311, 352, 361; ECO 211, 212; IAS 493. Also required, but not included in the major grade point average, are 11 hours including BUA 333, MAT 110 (or higher-level math), NAS 240.

An optional four and one-half year accounting degree program, which embraces a four- to six-month accounting practicum following the fall semester of the junior year, is available. This program allows the student to optimize the experiential content of the accounting practicum and enhance credentials for employability, while facilitating the completion of the 150 credit hours required for the CPA examination. Students desiring public accounting careers where the 150-hour requirement prevails may take additional elective courses from ACC 360, 370, and 445.

Accounting/Systems

The bachelor of science degree with a major in accounting/systems requires 65 major hours including ACC 241, 242, 303, 341, 342, 393 (4 hours), 405, 416, 442; COS 120; BUA 311, 352, 361; ECO 211, 212; IAS 493. Also required, but not included in the major grade point average, are 12 hours including BUA 333, MAT 151, NAS 240. Curriculum requirements in systems analysis include COS 120, 240; BUA 352; MAT 151, 382; NAS 240; SYS 210, 230, 390, 392, 394 or 402, 401; ACC 393 (4 hours). All systems curriculum courses must be completed with a C- or better.

An optional four and one-half year accounting degree program, which embraces a four- to six-month accounting practicum following the fall semester of the junior year, is available. This program allows the student to optimize the experiential content of the accounting practicum and enhance credentials for employability, while facilitating the completion of the 150 credit hours required for the CPA examination. Students desiring public accounting careers where the 150-hour requirement prevails may take additional elective courses from ACC 360, 370, and 445.

Business Administration

The bachelor of arts degree with a major in business administration requires two years of one foreign language and 56-57 hours including ACC 241, 242; BUA 231, 311, 352, 361, 393 (4 hours); ECO 211, 212; IAS 493; four courses (12-hour minimum) of upper-level concentration electives from economics, finance, human resources, management, marketing, international business, or other selected departmental courses that will supplement the student's program. The four elective courses must include one ECO course and three in-class BUA courses, and one of the four must include a designated quantitative analysis content. Also required, but not included in the major grade point average, are 10-11 hours including MAT 110 (or higher-level math), BUA 260 or COS 120, and NAS 240. The summer practicum experience (BUA 393) is required by all business administration majors.
Business Administration/Systems
The bachelor of science degree with a major in business administration/systems requires 58 major hours including ACC 241, 242; BUA 231, 311, 352, 361, 393 (4 hours); ECO 211, 212; IAS 493; four courses (12-hour minimum) of upper-level concentration electives from economics, finance, human resources, management, marketing, international business, or other selected departmental courses that will supplement the student's program. The four elective courses must include one ECO course and three in-class BUA courses, and one of the four must include a designated quantitative analysis content. Also required, but not included in the major grade point average, are 12 hours including MAT 151, COS 120, and NAS 240. The summer practicum experience is required by all business administration majors. Curriculum requirements in systems analysis include COS 120, 240; BUA 352; MAT 151, 382; NAS 240; SYS 210, 200, 390, 392, 394 or 402, 401; BUA 393 (4 hours). All systems curriculum courses must be completed with a C- or better.

Business Minors
Four business-related minors in human resource management, finance, management, and marketing are available to students majoring in disciplines other than business administration. These minors provide an emphasis within a specific career track. All four minors require 20-22 hours.

The human resource management minor requires 21 hours including BUA 311, 352, 362, 442, 462; PSY 250; and CAS 201.

The finance minor requires 21-22 hours including ACC 241; BUA 352, 361, 430; ECO 190 or 211; and two electives from BUA 312, 384, 428, 440, or 442.

The management minor requires 21-22 hours including BUA 231, 311, 352, 420; ACC 241; ECO 190 or 211; and one elective from BUA 362, 422, 442, or 452.

The marketing minor requires 21 hours including BUA 231, 312, 352, 410, 460; and two electives from BUA 313, 375, 380, 412, or 452.

Economics
Economic studies show how people make stewardship decisions about the use of scarce resources. Students learn how such decisions should be made to provide the best results for themselves, their businesses, and society as a whole. By thinking critically about the benefits and costs of various public and private decisions, students prepare themselves for a lifetime of learning and Godly service.

Economics majors are prepared for employment directly in business, not-for-profit organizations, or government. Those planning public service careers should consider adding a major or minor in political science and/or a prelaw minor. Students preparing for graduate studies in economics should complete a minor in mathematics.

The bachelor of arts degree with a major in economics requires two years of one foreign language and at least 46-48 hours including ECO 211, 212, 331, 332, 333, 393 (3-4 hours); 12 hours of upper-level electives from ECO 315, 321, 360, 370, 411, 442. Also required, but not counted in the major grade point average, are 14-15 hours including MAT 151, NAS 240 or MAT 352, MAT 382, and one elective course from BUA 311, BUA 361, MAT 230, POS 331, POS 342.

An economics minor is a useful complement to many other majors. The economics minor requires at least 21 hours including ECO 211, 212, 331, 332; NAS 240; and one upper-level, elective economics course.

Economics/Systems
The economics major combines well with systems analysis and provides a solid foundation in preparation for graduate programs, especially in economics, business, public administration, and law.

The bachelor of science degree with a major in economics/systems consists of the 46-48 hour major and curriculum requirements in systems analysis including COS 120, 240; MAT 151, 382; NAS 240; SYS 210, 200, 390, 392, 394 or 402, 401; ECO 393 (3-4 hours); BUA 352. All systems curriculum courses must be completed with a C- or better.

International Business
The bachelor of arts degree with a major in international business requires two years of one foreign language and at least 74-78 hours including ACC 241, 242; BUA 231, 311, 352, 361, 375, 380 or 384, and 393 (4 hours); ECO 211, 212, 411, 442; IAS 493; a foreign travel/study academic experience (3-4 hours); a minimum of four international business electives (12-14 hours) that must include one in-class BUA course and three other courses selected from at least three of the following disciplines: business—BUA 410, 420, 422, 442, 452; political science—POS 211, 213, 222, 321, 325, 365; sociology—SOC 220; Geography—GEO 210, 220, 230; history—HIS 100, 250, 311, 312, 313, 315, 332, 342, 361, 391; philosophy—
PHI 322, 323. Also required, but not counted in the major grade point average, are 13-14 hours including MAT 110, CAS 340, BUA 260 or COS 120, NAS 240.

**International Business/System**

The bachelor of science degree with a major in international business/systems requires completion of two years of one foreign language and 76-79 major hours including ACC 241, 242; BUA 231, 311, 352, 361, 375, 380 or 384, and 393 (4 hours); ECO 211, 212, 411, 442; IAS 493; a foreign travel/study academic experience (3-4 hours); a minimum of four international business electives (12-14 hours) that must include one in-class BUA course and three other courses selected from at least three of the following disciplines: business—BUA 410, 420, 422, 442, 452; political science—POS 211, 222, 321, 325, 365; sociology—SOC 220; Geography—GEO 210, 220, 230; history—HIS 100, 250, 311, 312, 313, 315, 332, 342, 361, 391; philosophy—PHI 322, 323. Also required, but not counted in the major grade point average, are 15 hours including MAT 151, CAS 340, COS 120, NAS 240. Curriculum requirements in systems analysis include COS 120, 240; BUA 352; MAT 151, 382; NAS 240; SYS 210, 220, 390, 392, 394 or 402, 401; BUA 393 (4 hours). All systems curriculum courses must be completed with a C- or better.

**Sport Management**

The sport management major blends two disciplines: business and physical education. This major addresses the Taylor emphasis on Christian service in a growing area of world sport business. The student will learn to identify and understand the internal and external factors that shape sport in a culture, apply management skills and evaluating to the goals of a variety of sport organizations (high school, college, and professional), and be able to apply fundamental marketing concepts to the sport industry. The student majoring in sport management will become familiar with the various agencies governing sport from the professional, collegiate, high school, and amateur levels. An internship is required for both baccalaureate degrees in sport management.

The sport management major follows the Sport Management Program Standards and Review Protocol from the National Association for Sport and Physical Education (NASPE) and the North American Society for Sport Management (NASSM). Taylor students will be adequately prepared for sport management graduate study or entrance into a sport business career.

The bachelor of arts degree with a major in sport management requires two years of one foreign language and 56 hours including ACC 241; BUA 231, 311, 352, 362; ECO 190; PHP 111, 210, 220, 350, 351, 480, 492 (4 hours); IAS 493 (PHP); and nine hours of electives selected by the student and faculty advisor from ACC 242; BUA 312, 361, 410, 411, 412, 442, 452, CAS 120, 261; ECO 211, 212; PHP 360, 393, 402, 472; NAS 240; PSY 220. Also required, but not counted in the major grade point average, are six hours including CAS 201 and MAT 110.

The bachelor of science degree with a major in sport management requires 74 hours including ACC 241, 242; BUA 231, 311, 352, 362; ECO 211, 212; PHP 111, 210, 220, 350, 351, 480, 492 (4 hours); IAS 493 (PHP); and nine hours of electives selected by the student and faculty advisor from BUA 312, 361, 410, 411, 412, 424, 452; CAS 120, 261; ECO 211, 212; PHP 360, 393, 402, 472; NAS 240, PSY 220. Also required, but not counted in the major grade point average, are 16 hours including CAS 201, MAT 151, SYS 210, SYS 200, and BUA 260.

**Associate of Arts in Business Administration**

An associate of arts degree in business administration is offered for students who want postsecondary training in business administration to prepare themselves for entry-level positions in business. This program also allows students to proceed to a bachelor's degree in business administration in a normal sequence. This degree includes ACC 241, 242; BUA 231, 311, 352, ECO 211, 212; MAT 110 or 151; NAS 240; SYS 210 or 220; BIB 110, 210; COS 104 or 106; ENG 110; PHP 100, 200 (1 hour); HUM 230 or a literature course from ENG 230, 240, or 250; IAS 101, 110; a communications course from CAS 110, 120, 201; and electives to total at least 64 hours. For those students planning to proceed to a baccalaureate degree, MAT 110 will not meet the science requirement for the baccalaureate degree.

**Music Elective Studies in Management or Marketing**

A bachelor of science in music with elective studies in management or marketing is available. See Music Department for program requirements.

**Premaster of Business Administration Program**

Taylor University students may use electives and required courses that lead to a baccalaureate degree (in nearly any field offered by Taylor) as preparation for completing the master of business administration in two years (with fall entry) at Ball State University. Interested students should discuss this program with their advisor and should notify the chair of the business, accounting, and economics department at Taylor of their intent. The student must also formally apply to Ball State University. Admission criteria are baccalaureate GPA, GMAT scores, AWA scores, and the satisfactory completion of the following courses: COS 104 or 106 and COS 120 or BUA 260; MAT 140 or 151; ECO 211, 212; NAS 240; ACC 241; BUA 231, 311, 352, 361, and 420.

**Accounting Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ACC 170/370</td>
<td>1-4 hours</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>ACC 241</td>
<td>3 hours</td>
<td>Accounting Principles I</td>
</tr>
<tr>
<td>ACC 242</td>
<td>3 hours</td>
<td>Accounting Principles II</td>
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**Accounting Principles I**

An introduction to the language of business. Financial transactions are analyzed, recorded, summarized, and reported in a meaningful manner to management. Also studied are basic financial statements and the various accounting and internal control procedures for recording and protecting assets. Offered fall semesters.

**Accounting Principles II**

A continuation of Accounting 241. Accounting problems and procedures pertaining to partnerships and corporations are studied. Also studied are various accounting procedures and reports used by management in acquiring fixed assets, budgeting and controlling manufacturing and departmental operations, reporting financial conditions, and analyzing the results of operations. Prerequisite: ACC 241. Offered spring semesters.
ACC 303  
3 hours  
Cost Accounting  
A study of the nature of costs and their importance in manufacturing, service, and not-for-profit organizations. Topics include collection and allocation of costs to products and processes; planning, budgeting, and control reports; relevant costs; cost-volume-profit analysis; responsibility accounting; and other management analyses and reports. Prerequisite: ACC 242. Offered fall semesters.

ACC 341  
3 hours  
Intermediate Accounting I  
A detailed study of the theory and procedures used by accountants in recording and valuing assets, and the resulting effect on profits. Emphasis is placed on current issues in accounting theory and practice in both intermediate accounting courses. Prerequisite: ACC 242. Offered fall semesters.

ACC 342  
3 hours  
Intermediate Accounting II  
A continuation of Accounting 341. A study of the theory and procedures used by accountants in recording and valuing liabilities and capital accounts. Special emphasis is placed on the preparation and interpretation of balance sheets, income statements, and statements of changes in financial position. Prerequisite: ACC 341 or permission of instructor. Offered spring semesters.

ACC 360  
1-4 hours  
Independent Study  
(This course includes the opportunity to prepare for the uniform CPA examination.)

ACC 393  
4 hours  
Practicum  
Prerequisites: 15 accounting hours and SYS 200 for majors pursuing a systems curriculum.

ACC 405  
3 hours  
Auditing  
A study of how professional auditors serve the public, stockholders, and management by impartially examining the accounting records and financial statements of enterprises. Topics studied include standards, ethics of the profession, internal control procedures, risk assessment, and the nature of audit evidence. Prerequisites: ACC 342 or permission of instructor. Offered fall semesters.

ACC 416  
3 hours  
Advanced Accounting  
A study of the more complex issues in accounting for partnerships, consolidated financial statements, and multinational and not-for-profit enterprises. This course includes interim and financial reporting and coverage of current regulations and pronouncements pertaining to the profession. Prerequisite: ACC 342. Offered fall semesters.

ACC 442  
3 hours  
Federal Income Taxes  
A study of the effect of federal income tax laws and regulations on individuals and businesses. This course includes discussion of current issues, tax research, tax planning, and representative tax preparation software. Prerequisite: ACC 242. Offered fall semesters.

ACC 445  
3 hours  
Advanced Income Tax  
A continuation of ACC 442. Tax laws and tax return preparation pertaining to corporate and fiduciary taxpayers are studied. Topics include regular and small business corporations, estates, trusts, and not-for-profit entities. Representative tax preparation software and computerized tax research aids are used in completing course assignments. Prerequisite: ACC 442. Offered spring semesters.

IAS 493  
4 hours  
Senior Seminar  
Offered interterms.

Business Administration Courses

BUA 170/370  
1-4 hours  
Selected Topics

BUA 190  
3 hours  
Introduction to Business  
Introduction to Business is designed to give the student an understanding of the role and function of the business enterprise within the American economic framework. The purpose of the course is to develop an understanding of the theory and practice of business from an integrated perspective on two levels: First, the various functions such as marketing, production, and finance are part of the fabric of the business process and, therefore, must be understood within the greater context of the business enterprise. Second, a successful career in business is compatible with biblical teaching. This course will also study successful business people who have integrated faith and business principles. Not for BAE department majors.

BUA 194  
3 hours  
Personal Finance  
An overview of the personal financial planning process including such topics as investments, insurance, taxes, credit, retirement planning, and budgeting. This course provides students with an opportunity to examine and apply scripture-based principles of money management in preparation for their entry into the workplace. Offered fall semesters. Not for BAE department majors.

BUA 231  
3 hours  
Principles of Marketing  
A study of the many facets involved in the field of marketing. Emphasis is given to both the modern marketing system in today's international economy and to the marketing strategies of an organization. Topics include types of markets, market segmentation methods, research methods, product and service strategies, product planning, new product development, distribution channels, sales, advertising, and pricing. Special emphasis is given to applications in international service and nonprofit disciplines.
BUA 260  
**Business Systems Applications**
This course introduces and develops competency in the various systems and technologies commonly employed in the business environment. Specific topics addressed include use of Internet and World Wide Web resources, web page development, presentation graphics, advanced spreadsheets, and integrated accounting systems. 
Prerequisites: COS 104 and ACC 242. Offered fall semesters.

BUA 311  
**Business Law**
An overview and summary of the basic business law topics that the majority of students will encounter in their business careers and personal lives. Topics include contracts, agencies, personal property, torts, bailments, real property, leases, estates, trusts, and insurance. Junior status preferred. 

BUA 312  
**Professional Selling**
A study of the discipline of the sales professional including both sales strategies and sales management. Primary emphasis is given to business and industry sales applications. Topics include sales training, sales preparation, prospecting methods, types of presentations, handling buyer questions, closing methods, postsales service, and sales management. Course applications include development and presentation of actual sales demonstrations in class. Prerequisite: BUA 231. Offered spring semesters.

BUA 313  
**Retailing**
A study of the creative and challenging field of retailing, ranging from the independent retail establishments to large retail chain organizations. All types of retail firms are examined including department stores, specialty shops, discount retailers, service organizations, and nonstore shopping. Topics include franchising, consumer behavior, site selection, store layout and design, promotion, merchandise planning and buying, pricing, personnel management, and retail careers. Prerequisite: BUA 231. Offered alternate spring semesters of odd years.

BUA 333  
**Business and Technical Writing**
See ENG 333.

BUA 352  
**Principles of Management**
A course designed to acquaint students thoroughly with the theories, principles, and practical applications of management (planning, organizing, staffing, leading, and controlling). Management principles are learned in the context of a work team developing and administering a business project. This course emphasizes business presentations and written reports. Current, real-life situations are emphasized. Junior status preferred. A section for non-business majors is offered.

BUA 360  
**1-4 hours**
**Independent Study**

BUA 361  
**3 hours**
**Corporate Finance**
A study of methods used in the evaluation of financing and investment alternatives and funds management. The course integrates basic accounting with financial analytical techniques. Areas of emphasis include sources of financing, cash flow analysis, working capital management, capital budgeting, net present value, cost of capital and long-term debt, and capital structures. 
Prerequisite: ACC 242.

BUA 362  
**3 hours**
**Human Resources Management**
A study of the role and functions of the human resource department of an organization with an up-to-date examination of the principles, policies, and problems of labor and management. Topics include employee relations, job analysis, compensation structures, recruitment practices, training, promotion, transfer, and management-union relationships. 
Prerequisite: BUA 352. Offered spring semesters.

BUA 375  
**3 hours**
**International Business**
An in-depth examination of business practices in other countries, leading to a better understanding of international relationships with trading partners, investors, and host countries. 
Prerequisite: BUA 231.

BUA 380  
**3 hours**
**International Marketing**
A study of the factors involved in marketing products and services in other countries. Major geopolitical regions are analyzed and evaluated through practical assignments. Topics include market segmentation analysis, culture, language, values, finance, transportation and distribution networks, international pricing strategies, political structures, exporting organization, promotion, and selling practices. Selected research projects and strategic plans provide students with practical applications of key marketing skills. 
Prerequisite: BUA 231. Offered spring semesters of even years.

BUA 381  
**4 hours**
**International Business Study Tour**
A study tour of selected international locations to focus on regional trade, economics, and business topics. Issues of cultural differences, conflicts, compromises, and international cooperation are examined. Throughout, the cultural dimension of international business dealings is emphasized. 
Prerequisites: BUA 231, ECO 211 or 190; sophomore standing within a business division major/minor. Offered internships.

BUA 384  
**3 hours**
**International Finance**
International Finance is concerned with firms’ needs for and options of raising funds in both global and foreign money markets and capital markets, both in first and third world countries. Multinational corporations need to evaluate the advantages in borrowing in the host country relative to the home country. Both cost of capital and tax ramifications will be treated as well as exchange rate and currency control issues of money funds internationally. 
Prerequisites: BUA 361, ECO 211. Offered fall semester of even years.

BUA 393  
**4 hours**
**Practicum**
A summer internship in business is developed through a learning contract. 
Prerequisites: 200 level business core requirements and SYS 200 for majors pursuing systems analysis. BUA 352 and 361.

BUA 410  
**3 hours**
**Marketing Research**
A course designed to provide students with a fundamental understanding of the role and methods of marketing research as a means to enhance the marketing strategies of any modern organization. Topics such as problem identification, proposal and research design, question and survey development, sampling methodology, data analysis, and report presentation are covered in both theory and application. 
Prerequisites: BUA 231, NAS 240. Offered fall semesters.
BUA 411  3 hours
Advanced Business Law
A course providing an in-depth examination of specialized areas of business law that are of significant importance for CPA candidates, those entering the banking and corporate environment, and those planning to attend law school. Topics include sales, commercial paper, secured transactions, bankruptcy, and environment and product liability. Prerequisite: BUA 311. Offered as needed.

BUA 412  3 hours
Advertising
A study of the role of advertising in today's business environment. Students examine advertising and its influence in the marketplace. Topics include promotions management, advertising effectiveness, creative design, copy development, media selection and management, advertising agencies, and advertising research. Practical experience is gained through the development of advertising campaigns using various media. Prerequisite: BUA 231. Offered spring semester of odd years.

BUA 420  3 hours
Production and Operations Management
A study of operations management related to production of goods and services. Topics include product design, capital investment, facilities and equipment, maintenance, work methods and measurement, safety and health, production planning and control, materials management, project management, and quality assurance. Current issues such as energy, ecology, productivity, and total quality management are discussed. Basic quantitative methods are introduced. Prerequisite: BUA 352. Offered fall semesters.

BUA 422  3 hours
Small Business Management/Entrepreneurship
Application of management principles (general, strategic and operational) to small businesses is studied. Course requirements include development of a product or service and a comprehensive business plan. Elements of starting a business are emphasized. Prerequisites: ECO 212, ACC 242, BUA 231, BUA 352, and junior or senior standing. Offered spring semesters.

BUA 428  3 hours
Money and Banking
A variety of practical banking topics is covered including a review of the development of the banking system, attention to the corresponding evolution of money and the demand deposit system, and an overview of nonbank financial intermediaries and their role in the present economy. Prerequisites: BUA 361, ECO 211, 212. Offered spring semesters.

BUA 430  3 hours
Investments
A course designed to give the student a basic familiarity with practical investment strategies and terminology from both an institutional and individual perspective. Discussion includes stock, bond, commodity, and option markets as well as other investment alternatives. Heavy emphasis is given to current developments. Prerequisite: BUA 361.

BUA 440  3 hours
Series 7: Brokerage
An in-depth examination of the securities industry from the perspective of the brokerage function including the regulatory environment and legal liability issues, professional ethics, transaction settlement procedures, public/client relations, and investment planning strategies. This course prepares students for the Qualification Examination for General Securities Registered Representative (Series 7 Exam). Prerequisites: ACC 242, BUA 361, BUA 430. Recommended for seniors only. Offered spring semesters.

BUA 442  3 hours
Business Ethics
A course designed to analyze the ethical dilemmas described in case studies of managers in private and corporate businesses. Studies include philosophical foundations for Christian ethical model applications and the development of ethical dilemma resolution. Particular business ethics issues are studied that are realistic and relevant to many business professions. Junior status preferred. Offered spring semesters.

BUA 452  3 hours
Strategic Management
An advanced course dealing with integrative issues in management, encompassing long-range and short-term objectives, planned and pursued
in breadth and depth in an ever-changing environment. Prerequisites: ECO 212, ACC 242, BUA 231, BUA 352, and junior or senior standing. Offered spring semesters.

ECO 211 4 hours Principles of Macroeconomics
An introduction to macroeconomics emphasizing how the U.S. economy works. Topics include the factors determining the size of the national economy, inflation and unemployment, and fiscal and monetary policies.

ECO 212 4 hours Principles of Microeconomics
An introduction to microeconomics emphasizing decision making by individual producers and consumers. Consequences of such decisions for efficiency of resource use and income distribution in a capitalistic economy are studied.

Note: The following upper-level economics courses are not always offered every semester or year. Academic advisors should be consulted for current offerings.

ECO 315 3 hours Environmental and Natural Resource Economics
An analysis of the economics of environmental issues, such as pollution and pollution abatement, discussing cost-benefit analysis together with the economics of using both renewable and non-renewable natural resources. Issues of stewardship and dominion will be considered in light of economic tools. Prerequisites: ECO 212.

ECO 321 3 hours Economics of the Public Sector
Analysis of public expenditure and taxation programs of the U.S. federal government. Expenditures such as social security, unemployment insurance, and health care programs are analyzed. Tax analysis focuses on the federal individual income tax. Prerequisites: ECO 211, 212.

ECO 331 3 hours Intermediate Microeconomics
Intermediate-level analysis of decision making by individuals in various types of markets. Consequences of such choices for the decision-makers, other people, and society as a whole are studied. Prerequisites: ECO 212; NAS 240 required; MAT 151, 382 recommended.

ECO 332 3 hours Intermediate Macroeconomics
Intermediate-level analysis of factors determining GDP, unemployment, inflation, and interest rates in the U.S. Both closed and open economy models are used. The model divergences and policy implications of the various macroeconomic schools are examined. Prerequisites: ECO 211.

ECO 333 3 hours History of Economic Thought
A study of the ideas of the great economic thinkers and the development of various schools of economic thought including the mercantilists, Smith, Malthus, Ricardo, Mill, Marx, Marshall, the Neo-classical and Keynesian revolutions. The origins of the more prominent twentieth century developments and schools are examined. Prerequisites: ECO 211, 212.

ECO 360 1-4 hours Independent Study

ECO 393 3-4 hours Practicum

ECO 411 3 hours International Economics
The economics of international trade and finance are studied from the U.S. perspective. The economic effects of international trade and trade restrictions and the causes and effects of changes in foreign exchange rates and the balance of payments are analyzed. Prerequisites: ECO 211, 212.

ECO 442 3 hours Economic Development
A study of the principles of economic growth of lesser-developed countries (LDCs). Historical development patterns of more developed countries and various theories of economic growth are considered for their relevance to LDCs. Policies encouraging growth are discussed. The problems of transforming former socialist economies into free market economies are discussed. Each student does a major research project on one particular LDC. Prerequisites: ECO 211.

Economics Courses
CHEMISTRY

Chair, Professor Hammond; Professors Burden, Kroll; Assistant Professor D. Smith

The chemistry department at Taylor University provides high quality training in chemistry while providing opportunities for meaningful spiritual and interpersonal experiences that will enable students to move successfully into the next phase of their professional training or the career of their choice.

The bachelor of arts degree in chemistry requires completion of two years of one foreign language. German or French is highly recommended. The bachelor of science in chemistry must be combined with curriculum requirements in education or systems analysis. Both the bachelor of arts and bachelor of science degrees are available in chemistry/environmental science.

Chemistry

The bachelor of arts degree with a major in chemistry requires two years of one foreign language and 60 hours including CHE 201 and 202 or 211 and 212, 301, 301L, 302, 302L, 311, 312, 410L and 411 or 320 and 320L or 422, 431, 431L, 432, 432L; IAS 493. Also required, but not included in the major grade point average, are 18 hours including MAT 151, 230; PHY 211, 211L, 212, 212L. It is strongly recommended that chemistry majors have MAT 240, 352, 431, and at least one course in computer science. NAS 480 is recommended in the junior or senior year. This program is suitable for students wishing to enter either graduate school or the chemical industry.

The chemistry minor requires a minimum of 25 hours of chemistry and includes at least four semesters of core chemistry lab courses including CHE 201 and 202 or 211 and 212. At least one semester course in organic chemistry and one semester course in analytical chemistry must be included.

Chemistry/Systems

The bachelor of science degree with a major in chemistry/systems consists of 56-57 hours in the major including CHE 201 and 202 or 211 and 212, 301, 301L, 302, 302L, 311, 312, 410L and 411 or 320 and 320L or 422, 431, 432, 432L; IAS 493. Also required, but not included in the major grade point average, are 10 hours including PHY 211, 211L, 212, 212L. Curriculum requirements in systems analysis include COS 120, 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 402; MAT 230; PHY 331; ENP 330; and three to four hours of practicum (listed above with major requirements). All systems curriculum courses must be completed with a grade of C- or better. This program is especially attractive to students planning to enter either graduate school or the chemical industry.

Chemistry/ Biochemistry Concentration

The bachelor of arts degree with a major in chemistry and a concentration in biochemistry requires two years of one foreign language and 60 hours including CHE 201 and 202 or 211 and 212, 301, 301L, 302, 302L, 311, 312, 410L, 411, 412, 431, 431L, and IAS 493. Also required, but not included in the major grade point average, are 27 hours including MAT 151, 230; PHY 211, 211L, 212, 212L; BIO 101 and two elective biology courses. This program prepares students for a career in biochemistry, medicine, molecular biology, and other related fields.

Chemistry/ Premedicine Preprofessional Concentration

Prof. Kroll, advisor

The bachelor of arts degree with a major in chemistry and a preprofessional concentration in premedicine requires two years of one foreign language and 61-62 hours of chemistry including CHE 201 and 202 or 211 and 212, 301, 301L, 302, 302L, 311, 312, 431, 431L; IAS 493. Also required, but not included in the major grade point average are 27-28 hours including PHY 211, 211L, 212, 212L; MAT 151, 230; three biology courses from BIO 101, 104, 203, 312, 331, 332, 352, 371 (highly recommended are BIO 101, 203, and 331).

Students interested in the premedicine curriculum should also go to the circulation desk in the Zondervan Library and check out the catalog on medical school admissions requirements sometime during their sophomore year. It is important to meet the specific entrance requirements of the medical school(s) chosen. Maintaining at least an A average and scoring well on the MCAT test (usually taken in the spring of the junior year) are common prerequisites for acceptance to a medical school. Help is available toward preparing for the MCAT examinations.

Chemistry- Environmental Science

This integrated major has a strong emphasis on the physical aspects of environmental studies. It is appropriate for students planning careers in environmental research or industrial or municipal environmental monitoring and control. The bachelor of science degree with a major in chemistry-environmental science requires 76-78 hours including:

Chemistry (43 hours): CHE 201 or 211, 202 or 212, 301, 301L, 302, 302L, 311, 312, 410L, 411, 412, 431, 431L and IAS 493.

Environmental Science (21-23 hours): BIO 204, ENS 231, 383, 402; CHE 320, 320L, CHE/ENS 393 (2-4 hours).

Required Electives (11-12 hours): select hours from CHE 412, ENS 241, ENS 351, NAS 240, PHY 331.

Chemistry Science Education

Either baccalaureate degree with a major in chemistry science education requires 59-68 hours and includes a general science core (17-20 hours), a primary major area in chemistry (24 hours), and a supporting science concentration area (17-24 hours). Courses completed under the primary or supporting science areas are in addition to the general science core. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

General Science Core: 17-20 hours including four to six hours from BIO 100, ENS 200, ENS 231, BIO 244 and 245; four hours from GEO 210 or GEO 240 or PHY 201; 10 hours from CHE 201 or 211, PHY 211 and PHY 211L.
Chemistry Science Major Area: 24 hours including CHE 211, 212, 311, 301, 301L, 302, 302L, 431, and IAS 493.

Biology Science Concentration Area: 21-23 hours including BIO 101, 103, 104, 203, 204, 244 and 245 or 331 and 352.

General Science Concentration Area: 22 hours including BIO 100, ENS 200 or ENS 231, PHY 212 and 212L, PHY 201, GEO 240 or GEO 210.

Mathematics Science Concentration Area: 24 hours including MAT 151, 230, 240, 250, 312, and one elective course from MAT 352, 361, or 412.

Physics Science Concentration Area: 16 hours including PHY 212 and 212L, and 11 hours of electives from PHY 301, 311, 312, 321, 322, 330, 331, 341, 342, 412.

A minor in chemistry science education requires 25 hours including CHE 211, 212, 311, 301, 301L, 302, 302L, 431.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Chemistry Courses

CHE 100 4 hours Chemistry for Living
A course designed for students who have little or no background in chemistry. Basic principles of chemistry are applied in a social context. Three hours of lecture and one two-hour lab per week. Recommended to meet general education lab physical science requirement. No prerequisite although high school algebra is recommended. Offered fall and spring semesters.

CHE 201 5 hours General Chemistry I
This is the first semester of a two-semester sequence designed for science majors having minimal backgrounds in chemistry. The two semesters are a general overview, with the first semester focusing on: measurement, chemical reactions, stoichiometry, atomic structure, chemical bonds, molecular shapes, solutions, gases, thermochemistry, redox reactions, and phase changes. Descriptive chemistry and theory are integrated. A variety of applications are used, including astronomy, biology, medicine, geology, environmental chemistry, industrial chemistry, and everyday life. Common organic and inorganic compounds are used as examples. The labs are designed to illustrate concepts discussed in class, develop good lab skills, and enhance your problem-solving ability. Designed for those needing a two-semester sequence of basic chemistry and lab. Meets the general education lab science requirement. Four hours of lecture and three hours of lab per week. No prerequisites, but high school algebra and chemistry are helpful. Offered fall semesters.

CHE 202 5 hours General Chemistry II
This is the second semester of a two-semester sequence designed for science majors having minimal backgrounds in chemistry. The second semester focuses on: chemical equilibrium, thermodynamics, acid-base chemistry, chemical kinetics, electrochemistry, organic chemistry intro, and nuclear chemistry. Designed for those needing a two-semester sequence of basic chemistry with lab to support a science major. Four hours of lecture and three hours of lab per week. Prerequisite: CHE 201. Offered spring semesters.

CHE 211 5 hours General and Inorganic Chemistry I
This is a course designed to meet the needs of the student planning further chemistry course work. Its focus is on the principles of thermodynamics, kinetics, bonding, and acid-base reactions and redox reactions related to periodic properties of the elements. Stoichiometric relationships are emphasized. Strongly recommended for all majors in the natural sciences who intend to take Organic Chemistry. Four hours of lecture and three hours of lab per week. Offered fall semesters.

CHE 212 5 hours General and Inorganic Chemistry II
A continuation of CHE 211. Emphasis is on the application of thermodynamics, kinetics, bonding, and acid-base reactions and redox reactions to inorganic and bioinorganic chemistry. Special emphasis is given to reaction mechanisms and concepts relating to CHE 311-312 Organic Chemistry. Lab work emphasizes qualitative and quantitative analysis skills. Four hours of lecture and three hours of lab per week. Prerequisite: CHE 211. Offered spring semesters.

CHE 301 3 hours Analytical Chemistry I
An introduction to modern theories and methods used in separations and quantitative determinations. Topics correlate with the lab. Three hours of lecture per week. Offered fall semester of odd years.

CHE 301L 1 hour Analytical Chemistry I Lab
This lab includes gravimetric and volumetric (acid-base, precipitation, redox, nonaqueous complexometric) titrations. Three hours of lab per week. Prerequisite: CHE 202. Offered fall semester of odd years.

CHE 302 3 hours Analytical Chemistry II
A continuation of CHE 301 in which instrumental methods of analysis are emphasized. Topics include the general principles underlying selected instrumental methods of analysis. Topics supplement and expand lab experiences. Three hours of lecture per week. Offered spring semester of even years.

CHE 302L 1 hour Analytical Chemistry II Lab
Lab experiences are offered that include optical methods (UV, VIS, AA), electrochemistry, and chromatography (HPLC).
and air. Experimental work is conducted in both natural habitats and the lab. Prerequisite: One year of general chemistry. Corequisite: CHE 320. Offered spring semester of odd years.

CHE 360 1-4 hours
Independent Study

CHE 370 1-4 hours
Selected Topics

CHE 393 1-4 hours
Practicum

CHE 410L 2 hours
Biochemistry Lab
The lab uses a case study approach in which an enzyme is isolated and characterized in detail. The molecular genetics, structure, regulation, and kinetics of the enzyme are studied using a wide range of techniques. This course is designed for chemistry and biology majors with a background in organic chemistry. There will be some lecture but the primary experience will be in the lab. Prerequisite: CHE 411 or consent of instructor. Cell biology is strongly recommended. Offered interterm of even years.

CHE 411L 2 hours
Biochemistry I
An introduction to the principles of biochemistry in which conformation and biosynthesis of macromolecules, bioenergetics, molecular genetics, and techniques of separation and analysis are studied. This course is designed for chemistry and biology majors with a background in organic chemistry. Three hours of lecture per week. Prerequisite: CHE 311 or consent of instructor. Cell biology is strongly recommended. Offered fall semester of odd years.

CHE 411 3 hours
Biochemistry I
An introduction to the principles of biochemistry in which conformation and biosynthesis of macromolecules, bioenergetics, molecular genetics, and techniques of separation and analysis are studied. This course is designed for chemistry and biology majors with a background in organic chemistry. Three hours of lecture per week. Prerequisite: CHE 311 or consent of instructor. Cell biology is strongly recommended. Offered spring semester of even years.

CHE 412 3 hours
Biochemistry II
This course is a continuation of CHE 411. The emphasis is on metabolism, molecular genetics, and molecular physiology. This course is designed for chemistry and biology majors with a background in organic chemistry. Three hours of lecture per week. Prerequisite: CHE 411 or consent of instructor. Cell biology is strongly recommended. Offered spring semester of even years.

CHE 422 4 hours
Advanced Lab
This course emphasizes advanced lab techniques in analytical, inorganic, and biochemistry. Experiences are chosen to supplement the previous background and interests of the students enrolled.

CONCEPTS EMPHASIZED TYPICALLY ARE
chosen from the following: statistical design of experiments, advanced chromatographic techniques, techniques in synthesizing and characterizing organo-metallic and inorganic compounds, techniques involved in recombinant DNA studies, and other advanced biochemical techniques. One hour of lecture and six hours of lab per week. Prerequisites: CHE 302, 312, 431, or permission of the instructor. Offered spring semester of odd years.

CHE 431 3 hours
Physical Chemistry I
An introduction to the kinetic-molecular theory of gases, the principles of thermodynamics, solutions, electrochemistry, and chemical kinetics. The course is designed for chemistry and physics majors. Prerequisites: CHE 201, 202; PHY 211, 212, and MAT 151, 230. Offered fall semester of even years.

CHE 431L 1 or 2 hours
Physical Chemistry I Lab
A lab course that includes vacuum techniques, thermometry and thermoregulation, calorimetry, physical characterization of solutions, and optical techniques. Students opting for two hours apply these techniques to a project. Three to six hours of lab per week. Offered fall semester of even years.

CHE 432 3 hours
Physical Chemistry II
Emphasis on elementary principles of quantum mechanics, molecular structure, spectroscopy, and photochemistry. The course is designed for chemistry and physics majors. Three hours of lecture per week. Prerequisites: CHE 201, 202; PHY 211, 212, and MAT 151, 230 with MAT 240, 352, and 431 strongly recommended. Offered spring semester of odd years.

CHE 432L 1 or 2 hours
Physical Chemistry II Lab
Same content as CHE 431L. Students who have taken CHE 431L for one-hour credit do a project in CHE 432L. No student may have more than two hours total lab credit from CHE 431L and CHE 432L. Three to six hours of lab per week. Offered spring semester of odd years.

CHE 450 1-4 hours
Directed Research

IAS 493 4 hours
Senior Seminar
COMMUNICATION ARTS

Acting Chair, Professor Rousselow; Professors Hubbard, C. Kirkpatrick; Associate Professor Keller; Assistant Professors Parry, Fletcher; Instructor Johnson

Within the contexts of a Christian worldview, the liberal arts, and professional education, the purpose of the communication arts department is to develop students’ abilities to think, listen, speak, and write clearly, analytically, critically, and creatively. Students are prepared for a wide variety of Christian ministries, graduate study, and careers in television, radio, print media, business, public relations, theatre, teaching, government, and law. In a rapidly changing communication-dominated world, a need exists for Christian communicators who can become the healing presence of Christ.

Students may select one of four majors from communication studies, mass communication/journalism, theatre arts, and communication arts education. Each of the first three majors may be combined with a minor from within the department or with a second major or minor from a different department. The fourth major in communication arts education is designed for students who desire to teach in secondary schools. The bachelor of arts degree requires the completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in either education or systems analysis. Minors are available in communication studies, mass communication/journalism, theatre arts, public relations, and communication arts education.

Students with writing ability, photographic skills, or artistic skills may use them in the production of these student publications: The Echo, a weekly newspaper which serves as a sounding board for student views and carries news, editorials, photographs, and features; "Parnassus," an annual literary magazine that features original work of students and faculty; and "Ilium," the student-produced yearbook reflecting in photographs and copy an overview of the year at Taylor and highlighting the major events and people of the year.

The communication arts department also offers an artist series featuring nationally known performers in concerts, theatre presentations, and lectures. It presents frequent dramatic productions as well.

Communication Studies

This major emphasizes communication theory and skills (interpersonal, family, organizational, public speaking, debate, persuasion) and may be used to prepare for careers that have communication knowledge and skills as major requirements. The bachelor of arts degree with a major in communication studies requires two years of one foreign language and 47 hours from the following courses:

Departmental Core: 14 hours including CAC 126, 226, 326; CAS 110, 120; IAS 493 (CAC).

Intradepartmental Core: six hours including at least one course from CAT 212, 301, 341, 362, 402, 432; at least one course from CAM 150, 240, 250, 282, 292, 320, 332, 352, 395.

Communication Studies Core: 27 hours including CAS 441; one (or both) from CAS 331, 372; remaining courses from CAT 200, CAS 201, 261, 281, 340, 377, 380, 382, 388, 411, 461, or a maximum of three hours from CAS 393, 360, or CAS 492.

The communication studies minor requires 19 hours including CAS 110, 120, CAT 200; 12 elective hours from CAS 201, 261, 281, 331, 340, 370, 372, 380, 382, 388, 411, 441, 461. If combined with the mass communication/journalism major or the theatre arts major, seven hours may count for both the major and the minor.

Communication Studies/Systems

The bachelor of science degree with a major in communications studies/systems consists of the 47-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352, SYS 200, 390, 392, 401 or 402; CAS 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better.

Mass Communication/Journalism

Core courses in radio, television, and print media are used in this major to prepare students for media-related careers, Christian ministries, and public relations. The bachelor of arts degree with a major in mass communication/journalism requires two years of one foreign language and 51 hours from the following courses:

Departmental Core: 24 hours including CAC 126, 226, 326; CAS 110, 120; IAS 493 (CAM); CAM 393 or CAM 492 (4 hours minimum); two courses from communication studies, theatre arts, and recommended electives from (at least one must be from CAS or CAT) CAS 201, 261, 281, 331, 340, 372, 377, 380, 382, 388, 411, 461; CAT 212, 301, 341, 362, 402; POS 211, 312; SOC 222, 210; HIS 392; BUA 231, 312, 412.
Mass Communication/Journalism Core:
27 hours including CAM 150, 250, 320, 451; select a minimum of three courses for a total of nine hours from CAM 180, 240, 282, 292, 350, 352, 381, 395, 471; select six hours from CAM 332 and 343 or CAM 331 and 422 or 442. Students are required to work with campus media a minimum of four semesters.

The mass communication/journalism minor requires 21 hours including CAM 150, 250; 15 elective hours from CAM 180, 240, 282, 292, 350, 331, 332, 343, 350, 352, 370, 395, 422, 451, 471. If combined with the communication studies major or the theatre arts major, seven hours may count for both the major and the minor.

Mass Communication/ Journalism/Systems
The bachelor of science degree with a major in mass communications/journalism/systems consists of the 51-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; CAT 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, SY 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better.

Theatre Arts
Course sequences for theatre majors offer training in all basic phases of theatre production. Students are required to participate in a minimum of one theatre production per year. The bachelor of arts degree with a major in theatre arts requires two years of one foreign language and 44 hours from the following courses:

Departmental Core: 14 hours including CAC 126, 226, 326; CAS 110, 120; IAS 493 (CAC).

Intradepartmental Core: six hours including one course from CAS 201, 261, 281, 331, 340, 372, 377, 380, 382, 388, 461; one course from CAM 150, 240, 250, 282, 292, 320, 332, 352, 395.

Theatre Arts Core: 24 hours including CAT 200, 212, 402, 432; CAS 441; three courses from CAT 301, 341, 362, 370, or a maximum of three hours from CAT 393, 360, 492.

The theatre arts minor requires 17 hours including CAT 120; CAT 200, 212, 432; one course from CAT 301 or 341; one course from CAM 352, 362, 370, 402. If combined with the communication studies major or the mass communication/journalism major, only seven hours may count for both the major and the minor.

Theatre Arts/Systems
The bachelor of science degree with a major in theatre arts/systems consists of the 44-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; CAT 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C- or better.

Communication Arts Education
The curriculum for the communication arts bachelor of science in education degree is designed for students who want to be certified to teach communication arts (speech, theatre, radio, and television) in secondary schools. Either baccalaureate degree with a major in communication arts education requires 49 hours including CAC 126, 226, 326; CAS 110, 120, 331, 372, 441; IAS 493 (CAC); CAT 200, CAS 281 and 377; CAM 250, 282, 292; three courses from CAT 212, 341, 362, 432; electives from ENG 211, 361, or 362. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

The communication arts education minor requires 25 hours including CAS 110, 120; one course from CAS 331 or 372; CAT 200; two courses from CAT 212, 341, 362, or 432; CAS 281; CAM 250; one course from CAM 282 or 292.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Public Relations Minor
The public relations minor requires 21 hours including CAM 150; CAS 201, 261, 320, 461; two courses from CAM 332, 343, 350, or BUA 231. If combined with the communication studies major, the mass communication/journalism major, or the theatre arts major, a maximum of nine hours may count for both the major and the minor.

Communication Arts Core Courses

CAC 126 2 hours Communication Arts Seminar I: Dimensions of Communication Explores definitions and models of communication from the point of view of the various dimensions of the discipline: communication studies, theatre, and mass communication. Analysis of various forms of discourse is stressed. Offered spring semesters.

CAC 226 2 hours Communication Arts Seminar II: Careers Focuses upon the question "What can I do with a communication major?" by increasing students' awareness of careers which require the skills and knowledge developed by the communicative arts. Offered fall semesters.

CAC 326 2 hours Communication Arts Seminar III: Artistic and Ethical Applications Explores historic, traditional, and contemporary aesthetic theory and uses a case study method to explore basic ethical issues in the fields of theatre, mass communication, and communication theory. Offered spring semesters.

IAS 493 (CAC) 4 hours Senior Seminar: CAC Explores historic, traditional, and contemporary approaches to critical methodology and communication theory as they relate to the current IAS 493 theme. Offered interterms.
IAS 493 (CAM) 4 hours
Senior Seminar: CAM
Designed to provide an overview and integration of the field of mass communication with the Christian faith. Offered Interterms.

Communication Studies Courses

CAS 110 2 hours
Public Speaking
Concentrates on the development of public speaking skills including audience analysis, library research, organization, the use of evidence to support a point of view, delivery, and listening.

CAS 120 2 hours
Interpersonal Communication
The study of self-esteem, empathic listening, emotion, language, nonverbal behavior, conflict, and ethics in interpersonal relationships.

CAS 201 3 hours
Corporate Communication
The acquisition and application of communication skills used in business and industry. Not recommended for freshmen.

CAS 261 3 hours
Introduction to Public Relations
An analysis of public relations theory and practice examining public relations environments, audiences, and message strategies. Offered spring semesters.

CAS 281 3 hours
Speech Science
An introduction to voice and articulation and speech pathology designed to prepare educators and performers. Course content includes the causes and treatment for pathological and functional speech and hearing disorders and the use of The International Phonetic Alphabet as an aid to improving speech skills. Offered fall semester of odd years.

CAS 331 3 hours
Communication for Decision-Making
A study of discussion and debate as tools for rational decision-making includes practical instruction in discussion leadership and educational debate. Offered fall semester of odd years.

CAS 340 3 hours
Intercultural Communication
The study of the complex process of intercultural communication. The course seeks to create an awareness of culture-bound assumptions and ways to communicate more effectively with persons from other cultures.

CAS 360 1-4 hours
Independent Study

CAS 370 1-4 hours
Selected Topics
Courses offered on topics of special interest.

CAS 372 3 hours
Communication for Change
A study of communication as an agent for change in various social contexts. Focuses primarily upon the skills, methods, and ethics of persuasion. Offered spring semesters.

CAS 377 2 hours
Coaching Speech and Drama Activities
A coaching and directing course focusing on forensics and creative dramatics for use in education and ministry. Course content includes a study of coaching and judging speech activities, including individual events and debate, and developing and directing improvisational troupes and performance ministry teams. Offered fall semester of even years.

CAS 380 3 hours
Advanced Interpersonal Communication
Advanced interpersonal communication theory and skill development with special focus on empathic listening. Prerequisite: CAS 120. Offered Interterms.

CAS 382 3 hours
Family Communication
The study of messages and meanings in contemporary family relationships, including family diversity, spousal relationships, custodial and autonomous child-parent relationships, sibling relationships, and the religious, legal, and televised messages about families. Prerequisite: CAS 120. Offered spring semesters.

CAS 388 3 hours
Communication and Culture
Analyzes how different populations come to be represented in the popular media. Focus is placed on issues of race, ethnicity, social class, and gender. Offered spring semester of even years.

CAS 393 1-4 hours
Practicum
Pass-fail only.

CAS 411 3 hours
Communication in Organizations
The study of structures and functions of communication in organizations, including contemporary understanding of traditional theoretical perspectives and the application of specific topics relevant to organizational functioning. Offered fall semester of even years.

CAS 441 3 hours
Critical Perspectives
Examination of the development and application of critical methods used to interpret and evaluate historical and contemporary public discourse. Offered fall semesters.

CAS 461 3 hours
Public Relations Writing and Production
Emphasizes the development and application of public relations skills while working with a client. Prerequisite: CAS 261. Offered fall semester of even years.

CAS 490 1-2 hours
Honors

CAS 492 8-16 hours
Internship
Professional semester of supervised internship in a work setting related to the major field of study. Prerequisites: Completion of departmental core and major core courses and approval of the department faculty.

Mass Communication Courses

CAM 150 3 hours
Basic Reporting for the Media
A beginning course in covering beats, reporting, and writing news through the use of an electronic journalism laboratory. Offered fall semesters.

CAM 180 1 hour
Campus TV Studies
Introduces students to television production techniques through practical, hands-on experiences working on Taylor Cable Service programs. Requires up to 40 hours per semester participation. May be repeated once.

CAM 240 3 hours
Photojournalism
Focuses on the use of photography in print media. Students learn to compose, take, process, and caption photographs for use in journalism and public relations. Students must provide their
own SLR 35mm cameras. Offered fall semester of odd years.

CAM 250  3 hours
Mass Media
Examines the role of mass media in society and its impact upon education, religion, business, and politics.

CAM 282  3 hours
Television Production
Theory and production aspects of television including application of production principles in actual directing situations. Offered spring semesters.

CAM 292  3 hours
Radio Production
Theory and production aspects of radio including radio personality development and the application of production principles in a variety of radio programming situations. Offered fall semesters.

CAM 300  1-2 Hours
Media Laboratory
Two hours of credit may be earned per semester by students holding the top leadership positions in authorized campus communications — newspaper, yearbook, radio station, and cable television. One hour of credit may be earned per semester by those holding secondary media positions approved by the faculty advisor and CA Department chair. A maximum of six hours, including CAM 300 and ENG 300, may count toward graduation. Media laboratory credit hours do not meet the major requirements in the communication arts department. Prerequisite: Permission of the communication arts department chair.

CAM 320  3 hours
Advanced Reporting
An advanced course that emphasizes in-depth reporting. A practical, hands-on course focusing on interview techniques, research methods, Internet resources, the Freedom of Information Act, and other investigative tools for today's journalist. Prerequisite: CAM 150. Offered spring semesters.

CAM 331  3 hours
Advanced Television Production
Advanced study and practice of television production including electronic editing and remote production techniques. Prerequisite: CAM 282. Offered fall semesters.

CAM 332  3 hours
Desktop Publishing
This course exposes students to design principles and the latest trends in desktop publishing. In addition to learning the basics of design, students will learn how to use relevant software packages. Offered spring semesters.

CAM 343  3 hours
News Editing
Focuses on the discipline of copy editing to ensure consistency, accuracy, and clarity of language. Among other topics, students will be exposed to style manuals used within the industry. Prerequisite: CAM 150. Offered fall semesters.

CAM 350  3 hours
Writing for Advertising
A writing course for the preparation of newspaper, magazine, radio, and television advertising copy and commercials. Designed for communication arts majors but open to others as enrollment permits. Not open to freshmen. Offered fall semester of odd years.

CAM 352  3 hours
History and Criticism of Film
A survey of American film history, artistic growth, and early influences and techniques of film-making. Critical principles for viewing films are emphasized. Offered spring semester of odd years.

CAM 360  1-4 hours
Independent Study
CAM 370  1-4 hours
Selected Topics
Courses offered on topics of special interest.

CAM 381  3 hours
Video Graphics
An introductory course relating to the creation of computer generated graphics, both static and animated, with specific focus on their relationship to television production. A hands-on, application-based course combining demonstration and lab time.

CAM 393  1-4 hours
Practicum
Pass-fail only.

CAM 395  3 hours
Broadcast Scriptwriting
Offers training and practice in writing scripts for radio and television including scripting forms, approaches, and techniques required for the writing of effective scripted material. Offered spring semesters.

CAM 422  3 hours
TV Directing
Theory and practice of advanced studio and remote directing in programs of varying complexity and length. Prerequisites: CAM 282 and CAM 331. Offered spring semester of odd years.

CAM 442  3 hours
Applied Telecommunication Strategies
The integration of telecommunication skills as applied to client-centered projects, industrial and educational television, cablecasting, and computerized editing. Prerequisite: CAM 331. Offered spring semesters.

CAM 451  3 hours
Media Criticism
Using traditional and contemporary critical methods, media are evaluated for their aesthetic values, depictions of human nature, treatment of religious issues, and effects on society. Offered fall semesters.
CAM 471 3 hours
Mass Communication Law
Examines the historical background and development of speech, broadcast, and press freedoms and how the interpretation of these freedoms has changed over the years. Designed to help print and broadcast journalists understand their legal rights in gathering, preparing, and disseminating news and information. Open to juniors and seniors only. Offered fall semester of even years.

CAM 490 1-2 hours
Honors

CAM 492 8-16 hours
Internship
Professional semester of supervised internship in a work setting related to the major field of study. Prerequisites: Completion of departmental core and major core courses and approval of the department faculty.

Theatre Arts Courses

CAT 200 3 hours
Oral Interpretation of Literature
Study and practice of personal-spiritual involvement with literature through the application of basic techniques of literary analysis and oral reading.

CAT 212 3 hours
Acting
Study of the theories and principles of acting as an art, approached through a Christian perspective of life and the human situation. Practical application of performance techniques and character development are provided through laboratory theatre experiences. Prerequisite: PHP 200 Acting. Offered spring semesters.

CAT 301 3 hours
Advanced Oral Interpretation of Literature
Advanced study and application of the techniques of literary analysis and oral reading. Readers' theatre is emphasized with laboratory experience provided. Prerequisite: CAT 200 or permission of instructor. Offered fall semester of odd years.

CAT 341 3 hours
Stagecraft and Scene Design
Emphasis given to the technical phases of play production including design theory and practice with projects in set construction, lighting, and makeup. Work on theatre productions provides practical experience. Offered fall semester of even years.

CAT 360 1-4 hours
Independent Study

CAT 362 3 hours
Religion and Theatre
A study of the distinctions and correlations among secular, religious, and "Christian" drama with particular emphasis placed on religious-literary criticism. Offered spring semester of even years.

CAT 3701-4 hours
Selected Topics
Courses offered on topics of special interest.

CAT 393 1-4 hours
Practicum
Pass-fail only.

CAT 402 3 hours
Contemporary American Theatre
A study of selected twentieth-century American theatre movements, people, and dramatic literature from 1960 to the present. Offered fall semester of odd years.

CAT 432 3 hours
Play Directing
Study of the theories and principles of directing as an art approached through a Christian perspective of life and the human situation. Emphasis is given to play analysis with practical application provided through laboratory theatre experience. Prerequisite: CAT 212 or permission of instructor. Offered spring semesters.

CAT 490 1-2 hours
Honors

CAT 492 8-16 hours
Internship
Professional semester of supervised internship in a work setting related to the major field of study. Prerequisites: Completion of departmental core and major core courses and approval of the department faculty.
COMPUTING AND SYSTEM SCIENCES

Chair, Professor Diller; Professors Adkison, Toll, White; Associate Professor Aguilar; Assistant Professor Brandle; Instructor Cramer

The purpose of the computing and system sciences department is to assist in the education of men and women so that upon graduation they are committed Christians, eager to serve Christ, conversant with all areas of knowledge included within the liberal arts, well-trained and experienced in computer science and systems analysis, and highly motivated to contribute to society.

Computer Science

The bachelor of arts degree with a major in computer science requires the completion of two years of one foreign language and 64 hours in the major including a 45-hour core and a 19-hour application field in one of five concentration areas. The 45-hour core requires COS 120, 250, 252, 264, 311, 320, 331, 340, 341, 381, 421; MAT 151; SYS 200; NAS 240 or MAT 352. The requirements for the 19-hour concentration include:

- Business Information Systems: COS 240, 310, 312, 382; SYS 352; BUA 352; ACC 241.


- Intelligent Systems: COS 280, 351, 380; SYS 352, 411; MAT 230.


- Integrated: COS 240, 280, 310, 312, 350, 382; SYS 352.

Included in the courses listed is a "distributed course" in parallel processing. Seven topics central to parallel processing are included formally in 15 of the COS courses. The time spent is equivalent to at least a three-hour course.

Enrollment in this major is limited to qualified students at time of application. Majors must have a 2.20 cumulative grade point average by the time they become juniors, and a 2.40 when they obtain senior standing.

Majors are required to pass a comprehensive examination during their senior year. This examination consists of two parts: a programming project and an oral examination. Majors are also required to develop a portfolio of outstanding projects over their years in residence.

A computer science minor requires 31 hours including COS 120, 250, 252, 264, 311, 331, 341; SYS 200, 390, one course from COS 240, 280, 350, or SYS 394.

Computer Science/Systems

The bachelor of science degree with a major in computer science/systems consists of the 64-hour major requirement and curriculum requirements in systems analysis including COS 393 (3-4 hours), IAS 330, MAT 382, SYS 390, SYS 402, and six additional systems elective hours from COS 310, 320, 382, MAT 230, 240, 372, 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401. The six additional hours must be in addition to those required elsewhere in the major or systems. The systems curriculum courses must be completed with a grade of C- or better.

Included in the courses listed is a "distributed course" in parallel processing. Seven topics central to parallel processing are included formally in 15 of the COS courses. The time spent is equivalent to at least a three-hour course.

Enrollment in this major is limited to qualified students at time of application. Majors must have a 2.20 cumulative grade point average by the time they reach sophomore status, a 2.30 by the time they become juniors, and a 2.40 when they obtain senior standing.

Majors are required to pass a comprehensive examination during their senior year. This examination consists of two parts: a programming project and an oral examination. Majors are also required to develop a portfolio of outstanding projects over their years in residence.

Computer Graphic Arts

The bachelor of arts degree with a major in computer graphic arts requires two years of one foreign language and 57 hours divided between the two disciplines:

- Art (30 hours): ART 101, 151, 251, 261, 271, 351, 355, 356; six hours of art history from ART 213, 313, 316.

- Computer Science and Systems (27 hours): COS 120, 250, 252, 264, 311, 312, 325, 350, 393 (3-4 hours); SYS 200.

Specific requirements include (1) an exhibition during the senior year, (2) a practicum (work experience) in a setting where artistic talent and technical skills are utilized and improved, (3) passing a comprehensive exam during the senior year that consists of three parts: a portfolio development project, an oral exam, and the exhibition.
Enrollment in this major is limited to qualified students at time of application. Majors must have a 2.20 cumulative grade point average by the time they reach sophomore status, a 2.30 by the time they become juniors, and a 2.40 when they obtain senior standing.

Computer Graphic Arts/Systems
The bachelor of science degree with a major in computer graphic arts consists of the 57-hour major requirement and curriculum requirements in systems analysis including IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 390, 392, 401 or 402; six additional systems elective hours from COS 310, COS 312, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431; SYS 210, SYS 394, SYS 401, SYS 402. The six additional hours must be in addition to those required elsewhere in the major or systems. The systems curriculum courses must be completed with a grade of C- or better.

Specific requirements include (1) an exhibition during the senior year, (2) a practicum (work experience) in a setting where artistic talent and technical skills are utilized and improved, and (3) passing a comprehensive exam during the senior year that consists of three parts: a portfolio development project, an oral exam, and the exhibition.

Enrollment in this major is limited to qualified students at time of application. Majors must have a 2.20 cumulative grade point average by the time they reach sophomore status, a 2.30 by the time they become juniors, and a 2.40 when they obtain senior standing.

Computer Engineering
Computer engineering is an interdisciplinary major offered jointly with the physics department and administered by the computing and system sciences department. This major prepares students for employment and/or graduate programs involving robotics, biomedical implants, smart instrumentation, telecommunications, supervisory control and data acquisition systems, and other complex hardware-software systems.

The bachelor of science degree with a major in computer engineering requires 94 hours. The courses from physics, engineering, and chemistry total 35 hours and include PHY 211, 211L, 212, 212L, 321, 331, ENP 252, 350, 332, 352, 431. The courses from computer science and systems total 39 hours and include SYS 200, 402; COS 120, 250, 252, 311, 320, 340, 351, 381, 421; one course from COS 312, 331, or 350; COS 393 (2 hours) or PHY 330 (2 hours). The courses from mathematics total 20 hours and include MAT 151, 230, 240, 352, and 431. Majors are required to pass a comprehensive examination during their senior year. This examination consists of two parts: a programming project and an oral examination. Majors are also required to develop a portfolio of outstanding projects over their years in residence.

Systems
Program Director, Professor Adkinson
The purpose of the systems curriculum, combined with the courses in his/her major and the general education curriculum, is to prepare a student to acquire the knowledge and skills of a systems analyst. A systems analyst attempts to help an organization solve a problem, take advantage of an opportunity, or follow a directive coming from upper management, ownership, or the government in an effective and efficient manner. Analysts play a significant role in organizational development and operation of systems. In order to do so, they assist and frequently lead the effort to plan, analyze, design, implement, and support the systems and improvements to them.

Systems analysts are required to know about information technology and its uses, how and why the organization functions, and the environment in which the organization carries out its mission. Analysts must also possess skills that allow them to speak and write effectively, work with others in projects, and be able to solve problems both in an individual and group setting.

Systems may be combined with any baccalaureate major. Graduates have used what they have learned in systems in a variety of arenas, including those work-related and those of further formal education. For example, computer science graduates have designed computer-related solutions to take advantage of the interconnectiveness of businesses that the Internet allows; business administration graduates have analyzed companies for their roles in the global business environment to determine if investment in them is wise for their clients; and accounting graduates have assisted organizations and individuals in making intelligent systematic decisions regarding federal, state, and local taxes. Others have used their systems knowledge in their endeavors in graduate school. For example, psychology graduates have used what they learned in advanced statistics to conduct their graduate statistical studies regarding human behavior; chemistry and physics majors have designed research projects more efficiently; and mathematics majors have applied their knowledge in studies of actuarial science.

Students choosing a career in systems analysis may combine any baccalaureate major with the systems analysis curriculum. The systems curriculum requirements are COS 120, 240 or 250 (choice depends on major); IAS 330; MAT 151, 382; NAS 240 or MAT 352 (choice depends on major); SYS 200, 390, 392, 401 or 402; 393 (3 to 4 hours in the major); six additional hours from the following: COS 310, 320, 382; MAT 230, 240, 372, 392, 412, 431; SYS 210, 394, 401 or 402 (choice depends on major). Courses selected for the six additional hours must be in addition to those required elsewhere. All courses required by the systems curriculum must be completed with a grade of C- or better.

Depending on the student's major and other areas of interest, other courses may be substituted for those listed above. For example, mathematics, physics, chemistry, and pre-engineering majors take a different sequence of mathematics courses and may elect to take a computer science course other than COS 240 or 250, subject to computing and system sciences departmental approval. Business majors are not required to take IAS 330.
Associate of Arts Degree in Management Information Systems

An associate of arts degree with a major in management information systems has been developed for those who wish to become information systems specialists. Students enrolled in this two-year program are preparing for vocations in the fields of computer programming and information systems. The sequence includes a combination of business, computer science, and systems analysis courses built around a core of liberal arts studies. In the four-course sequence of SYS 200, 390, 394, and COS 393, the student approaches systems in general and management information systems in particular and completes a practicum in a systems environment outside of Taylor University.

The degree program requires a minimum of 64 hours and must include BIB 110, 210; COS 104 or 106; ENG 110; HUM 230 or a literature course from ENG 230, 240, or 250; IAS 101, 110; PHP 100, 200 (1 hour); ACC 241, 242; BUA 352; CAS 201; COS 120, 240, 250, 393 (4-6 hours); IAS 330; MAT 110 or 151; NAS 240; SYS 200, 390, 392, and 394. For those students planning to proceed to a baccalaureate degree, MAT 110 will not meet the science requirement for the baccalaureate degree.

Computer Science Courses

COS 104 2 hours
Computing and Information Concepts
An introduction to computing issues and information technology designed to provide a foundation for future course work directly related to the student’s major. Topics discussed include hardware and software, operating systems, graphical user interfaces, data storage technologies, local and network information access, spreadsheets, and ethical issues. The course is designed for those with little or no previous computer experience. Credit may not be earned in both COS 104 and COS 106. Two hours of lecture and one hour of lab.

COS 106 2 hours
Computing and Information Concepts
An introduction to computing issues and information technology designed to provide a foundation for future course work directly related to the student’s major. Topics discussed include hardware and software, operating systems, graphical user interfaces, data storage technologies, local and network information access, spreadsheets, and ethical issues. The course is designed for those with little or no previous computer experience. Credit may not be earned in both COS 104 and COS 106. Two hours of lecture and one hour of lab.

COS 112 3 hours
Introduction to Programming
A gentle introduction to the basic concepts of computer programming. Topics include computer systems functions, algorithm design, basic data and control structures, and debugging techniques. Intended for those with minimal programming background. Two hours of lecture and two hours of lab per week. Does not count as a general education requirement or toward the computer science or systems programs.

COS 120 4 hours
Introduction to Computer Science
Problem solving and computer programming are stressed. Algorithms for text processing, information retrieval, mathematical manipulation, sorting, file handling, and introductory data structures are presented. Good algorithm design, style, program structure, documentation, code reading, and introductory software engineering techniques are emphasized. Three hours of lecture and two hours of lab per week.

COS 210 2 hours
Missions Technology
A survey and in-depth study of technology applied to Christian missions. Theory and issues in application are developed. Field trips to observe and interact with mission organizations may be included as well as a project orientation. Prerequisite: One course in computer science.

COS 230 2 hours
Business Application Programming
The file types and data structures typically found in business information systems are investigated. Students are given the opportunity to implement various solutions using structured concepts in business application programming exercises. Maintenance is stressed. Most commonly used features of the COBOL language along with GUI capabilities are presented and practiced. Prerequisite: COS 120.

COS 250 4 hours
Data Structures
Sorting algorithms and computational complexity are introduced. Data structures such as linked lists, stacks, queues, and trees are studied. An object-oriented programming approach is taught. The C++ language is used with the UNIX operating system. Three hours of lecture and two hours of lab per week. Prerequisite: COS 120.

COS 252 3 hours
Discrete Structures
Elements of discrete mathematics important as a foundation for computer science are studied. Topics include counting principles, functions, sets, recursion, computability, combinatorics, Boolean algebra and logic, graphs, difference equations, number systems, and numeric representation. Prerequisites: COS 120 and MAT 151.

COS 264 3 hours
Interactive Application Development
Design and Implementation and considerations for interactive computer applications are studied. Multiple languages and tools are used to develop applications for PC, UNIX, and WWW environments. Topics include web interaction, communications, and security, web server and client/server applications, programming, GUI design, and event driven Windows programming. C++, Perl, Java, and other tools are utilized. Prerequisite: COS 250.

COS 280 3 hours
Introduction to Artificial Intelligence
A survey of the entire field of artificial intelligence. Major areas of exploration include search, logic, learning, knowledge representation, problem solving, natural language processing, computer vision, robotics, expert systems, and neural networks. An introduction to LISP is included. Prerequisite: COS 250.

COS 310 1 hour
Current Literature Survey
A survey of current literature in computer science. Emphasis is placed on the need to develop regular habits of journal reading. Students lead discussions on papers and topics of interest. The Internet is accessed for technical information.

COS 311 1 hour
Ethics in Computer Science
A study of the ethical implications of computers in society and the role of Christians as computer science professionals. Several of the major
ethic issues in the field such as privacy, piracy, liability, equity, and whistle-blowing are explored. The ethical concerns of computer science and systems analysis and their relationship to one's faith are an integral part of this course.

COS 312 3 hours Visualization and Geographic Information Systems
A study of the process and practice of visualizing data in order to discover relationships and meaning. Visualization systems used for scientific visualization, data visualization, or information visualization and geographic information systems used for spatial data analysis are discussed. Topics include data collection and processing, data modeling and representation, users and interactions, and presentation of results. Team projects are done using professional software.

COS 320 3 hours Algorithm Design
Algorithms and related data structures from a variety of areas are examined and analyzed. Parallel processing paradigms are studied and applications are developed on several parallel platforms. Theoretical topics such as complexity models, finite state machines, and program correctness are introduced. Prerequisite: COS 250.

COS 325 3 hours Animation
An overview of the animation process from the perspectives of computer science and video animation. The first portion of the course will meet with COS 425 and cover animation and related concepts through the use of a professional level animation package to illustrate underlying principles. The second portion of the course involves independent creation of a significant animation project. Does not count for credit toward COS major. Prerequisite: COS 350.

COS 331 3 hours Data Communications
A study of the nature and applications of data communications in use today. Fundamental concepts of types, modes, and media of transmission are studied. Communication protocols and their encompassing architectures are analyzed and compared. Practical applications of data communications concepts is demonstrated through networking projects and development of communications software. Prerequisite: COS 250.

COS 340 3 hours Software Engineering
A study of the concepts, procedures and tools of large system software project development including project estimation and management, software technical metrics, configuration management and software testing. Concepts of software engineering are introduced using the development of a large software system as an instructional tool. The project is designed and its development managed using the tools and techniques examined in the course. Prerequisite: COS 250.

COS 341 4 hours Database Concepts
A study of the basic nature and application of databases in use today. The physical representation of databases, the E-R (entity, relationship, attribute) models used in designing a database, commercially available database management systems, and the factors involved in implementing and using a database are examined. Students work with a database tool such as MS Access and an SQL server in projects requiring the writing of programs. Prerequisite: COS 250.

COS 350 3 hours Computer Graphics
An introductory course in computer graphics with an emphasis on 3D image production using a variety of approaches including ray-tracing, and OpenGL programming. Basic algorithms and data structures are introduced. Prerequisite: COS 250.

COS 351 3 hours Computer Vision
A study of the fundamental concepts of digital image acquisition, enhancement, representation, analysis, and understanding. Covers hardware components, software design, current systems and applications. Prerequisite: COS 250. Offered fall semester of odd years.

COS 360 1-4 hours Independent Study
COS 370 1-4 hours Selected Topics
Prerequisites: Two courses in Computer Science.

COS 380 3 hours Natural Language Processing
A study of the automation of human communication abilities, covering both textual and vocal aspects. Major topics include language understanding, representation, enhancement, generation, translation, and speaker/author recognition. LISP is reviewed. Prerequisite: COS 260. Offered fall semester of even years.

COS 381 3 hours Computer Organization
An introduction to the hardware of the modern computer and the architectural issues involved in computer design. The study of machine instruction sets and assembly language programming assignments are used to illustrate concepts. Specific topics include instruction sets, arithmetic and logic, addressing modes, memory systems, subprograms, RISC computers and parallel processing hardware. Prerequisite: COS 250.

COS 382 3 hours Language Structures
A study of the features and implementation issues of programming languages including a survey of multiple languages. Grammars, syntax, semantics, translation, lexical analysis, and parsing are introduced. Prerequisite: COS 250.

COS 393 1-4 hours Practicum
Pass-fail only.

COS 421 3 hours Operating Systems
A study of the design considerations of computer operating systems and their interaction with hardware features. Topics covered include processor management, storage management, protection and security, and distributed systems. Parts of a functional operating system are written. Prerequisite: Two COS courses above COS 250.

COS 424 3 hours Surfaces and Modeling
An advanced graphics course with emphasis on curve and surface representation and geometric modeling. Mathematics and algorithms are studied. Topics include Bezier and B-spline curves and surfaces, constructive solid geometry and other solid modeling techniques. Prerequisite: COS 350.

COS 425 3 hours Advanced Rendering and Animation
An advanced graphics course with emphasis on advanced techniques for image rendering and basic concepts of animation. Mathematics and algorithms are studied. Topics include light and illumination models, ray tracing, methods to enhance realism, and standard animation techniques. The
first portion of the course will meet with COS 325 and cover animation and related concepts through the use of a professional level animation package to illustrate underlying principles. **Prerequisite:** COS 350.

**COS 450 1-4 hours**
**Directed Research**
Independent or small group projects. May be taken by any COS major with instructor approval.

**COS 490 1-2 hours**
**Honors**

**IAS 493 4 hours**
**Senior Seminar**

### Systems Courses

**SYS 200 3 hours**
**Basic Systems**
An introduction to systems concepts and the basic tools of systems analysis and design. Topics include the system development life cycle, decision-making, project planning and control, philosophical foundations, and selected applications of systems techniques in the student's major, including cost benefit analysis.

**SYS 210 3 hours**
**E-Commerce**
This course examines the development of and future prospects for electronic commerce. If focuses on the use of electronic transmissions to engage in exchange of products and services. Students will consider the emerging changes in business brought on by e-commerce. They will explore the dynamics of technical innovations as well as the organizational and societal consequences of moving commerce electronically. They will also evaluate the operations of a variety of web-based businesses. Guest speakers from industry will lecture regarding the technical, economic, and political/regulatory aspects of e-commerce.

**SYS 352 3 hours**
**Knowledge Based Systems**
Prominent knowledge-based system approaches are introduced including crisp production rule systems and fuzzy logic systems. Principles of knowledge acquisition are taught and applied. Various forms of knowledge representation are experienced including rules, nets, frames, and predicate logic. Programming is primarily in CLIPS and ECLIPSE. **Prerequisites:** COS 280 and SYS 200.

**SYS 360 1-4 hours**
**Independent Study**

**SYS 370 1-4 hours**
**Selected Topics**

**SYS 390 3 hours**
**Information Systems Analysis**
Development of knowledge and skills needed to conduct the planning and analysis phases of the software development life cycle. Information gathering, data and process modeling, and specification of system requirements using a business event methodology are emphasized along with project management techniques. A corporate-like project is begun in this course and completed in SYS 394. **Prerequisites:** COS 120 and SYS 200.

**SYS 392 1 hour**
**Systems Seminar**
The integration of systems topics with an emphasis on current development in many disciplines. Guest, faculty, and student presentations plus occasional panel discussions provide the format. May be taken twice.

**SYS 394 3 hours**
**Information Systems Design**
This course explores how to construct an information system to best satisfy the documented requirements. All required inputs, software programs, outputs, and files as well as manual procedures are designed using a business event methodology. Internal and external system controls are defined to assure system reliability. Management and end-user involvement and design documentation are emphasized. The project begun in SYS 390 is designed and implemented using a three-tier client/server architecture. **Prerequisite:** SYS 390.

**SYS 401 4 hours**
**Operations Research**
Examination of mathematical techniques used in systems analysis including mathematical programming, probability models, optimization, and statistical techniques with an emphasis on applications using computer assisted instruction. **Prerequisites:** The following courses (or their approved substitutes) must have been completed with a grade of C- or better: SYS 200; COS 120, 240 or 250; NAS 240 or MAT 352, MAT 151 and 382.

**SYS 402 4 hours**
** Modeling & Simulation**
A study of mathematical modeling and simulation methods, focusing on discrete systems. A variety of simulation languages are reviewed, but MODSIM is used extensively. Many applications are surveyed and group term projects are carried out. **Prerequisites:** The following courses (or their approved substitutes) must have been completed with a grade of C- or better: SYS 200; COS 120, 240 or 250; NAS 240 or MAT 352, MAT 151 and 382.

**SYS 411 3 hours**
**Machine Learning**
Classification learning systems of various types are explored. These include statistical pattern recognition, neural networks, genetic algorithms, and methods for inducing decision trees and production rules. Existing systems are reviewed. Group term projects allow development of and experimentation with a system of interest. **Prerequisite:** COS 280.
The department of earth and environmental science offers students the opportunity to enhance their liberal arts education with a cluster of specialized courses designed to provide the knowledge, skills, and conscience necessary for decision-making in a complex and rapidly changing world. Courses focusing on practical problem-solving methodologies add depth, utility, and perspective to a variety of fields of study.

An environmental science integrated major provides excellent preparation for graduate education and/or job placement in environmental science, ecology, wildlife biology, environmental chemistry, environmental geology, marine biology, forestry, environmental law and policy, pollution monitoring and control, systems protection, environmental management, technical missions, and environmental ethics. In addition to preparation for the Graduate Record Exams (GRE), environmental science degree programs also serve as excellent preparation for the LSAT (law school entrance exam) and GMAT (MBA entrance exam).

The department coordinates five integrated majors: environmental biology, environmental geology, chemistry-environmental science (see listing under chemistry), math-environmental science (see listing under mathematics), and environmental engineering (see listing under physics). In addition, students in a wide range of majors may choose to develop a variety of practical scientific skills and explore the concepts of environmental stewardship by adding a minor in environmental science.

Environmental Biology

Environmental biologists work to understand the living resources of the earth and their relationship to the physical environment. The environmental biology major is designed to prepare students for careers in ecology, natural resource management, forestry, wildlife science, marine science, regional planning and environmental protection. Many students also use this major as the first step toward a career in environmental law and policy.

The bachelor of science degree with a major in environmental biology requires a minimum of 77 hours including:

**Environmental Science (30 hours):** ENS 231, 383, 402; plus 12 hours of ENS electives from ENS 241, ENS 351, ENS 370, CHE 320 and 320L; plus 2-3 hours of ENS 393, and IAS 493.

**Biology (29 hours):** BIO 103, 104, 204, 304; plus 16 hours of upper-level BIO electives from BIO 301, 307, 341, 371, 380.

**Required Electives (18 hours):** CHE 201, CHE 202, NAS 240, POS 331.

Further course work in writing, math, computer science, and chemistry is strongly recommended and should be selected based on the student's choice of career path. Appropriate course substitutions may be made with permission from the chair of the environmental science department.

Environmental Science Minor

A minor in environmental science may be added to either baccalaureate degree in any major offered by the university with the exception of programs that have approved integrated environmental science majors. The minor requires 19-20 hours including ENS 200 or 231, ENS 383, ENS 402; two courses from BIO 204, ENS 241, ENS 351. Appropriate course substitutions may be made with permission of the chair of the department. This minor is especially appropriate for students wishing to pursue careers in law, journalism, education, or business.

Environmental Science Courses

**ENS 200 4 hours**

*Environment and Society*

Introduction to ecological principles and the impact of man on the environment. Issues studied include population dynamics, food and agriculture, natural resources, pollution problems, and environmental ethics. Lab time is divided between experiences in ecology and environmental education and small group discussions of current environmental issues. Three hours of lecture and two hours of lab per week. **Fulfills the general education lab science requirement.** Environmental biology and environmental geology majors should elect ENS 231 rather than ENS 200.

**ENS 231 4 hours**

*Introduction to Environmental Science*

An introduction to environmental science including a discussion of ecological principles and their application, energy systems, pollution problems, environmental policy and decision making, and the scientific and ethical implications of human impacts on the environment. Lab exercises focus on experimental ecology and the basic techniques used to describe and measure environmental quality. This course serves three functions: 1) it is the entry level course for environmental science majors, 2) it may be taken for general education lab science credit,
and 3) biology majors may count it as a
200-level biology course when calcu-
lating course hour requirements in
biology. Three hours of lecture and two
hours of lab per week. Fulfills the
general education life science require-
ment.

ENS 241  4 hours
Physical Geology
A general introduction to the earth's
internal and external physical, dynamic
systems. Topics include occurrence
and formation of minerals and rocks,
processes that shape the earth's
surface, and the internal structure and
dynamics that lead to plate tectonics
and crustal deformation. Special
emphasis is placed on the environ-
mental aspects of humans' interaction
with the earth. Three hours of lecture
and two hours of lab per week. May be
used to fulfill the general education earth
science lab requirement with permission
from the instructor.

ENS 242  4 hours
Geology of Indiana
An introduction to the concepts of
historical geology in the context of
Indiana. Topics include rocks, fossils,
structure, landforms, and economic
resources of the state. Includes
required field trips to several regions of
Indiana for field observation and
collection of mineral, rock, and fossil
specimens. Lecture is distance-learning
based (in cooperation with the
Department of Geology, Indiana
University Purdue University at
Indianapolis); lab/field trips are
required for successful completion of
this course. May be used to fulfill the
general education earth science lab
requirement with permission from the
instructor. Prerequisite: ENS 242.

ENS 340  4 hours
Global Ecology/Global Issues
An introduction to the analysis of
complex issues. Global actors, their
values and policies, and the potential
futures they create are investigated in
the context of issues such as economic
development, energy, food, and
population. Global interdependence is
stressed. The academic perspective is
interdisciplinary, and the geographic
focus is non-North American. Three
hours of lecture and two hour discus-
sion section per week. Prerequisite:
ENS 200 or ENS 231.

ENS 341  4 hours
Earth Materials
Basic principles of mineralogy and
petrology, with emphasis placed on
description, identification, classification,
and interpretation of rock-forming
minerals and the igneous, sedimentary,
and metamorphic rocks they comprise.
Also includes origin and occurrence of
earth materials and their uses in
economic and environmental contexts.
Lab emphasizes observation of hand
specimens and some thin-sections.
Lecture is distance learning based (in
collaboration with the Department of
Geology, Indiana University Purdue
University at Indianapolis); and the lab
is equivalent to two hours per week
including field trips to selected
locations throughout the state.
Prerequisite: ENS 241 or permission
from the instructor.

ENS 351  4 hours
Environmental Survey Techniques
Basic environmental survey techniques
are discussed and applied in field
situations. Topics include: basic map
properties; interpretation of topographic
maps and aerial photographs; basic
mapping and surveying by traditional
and Global Positioning Systems
techniques; acquisition of remotely-
sensed satellite data; and data analysis
by geographic information systems.
Applications given for the analysis of
climate, soils, hydrology and vegetation
for land use planning. Three hours of
lecture and two hours of lab per week.
Prerequisite: ENS 200, ENS 231 or ENS
241.

ENS 360  1-4 hours
Independent Study

ENS 361  4 hours
Geomorphology
An applied approach to the study of
diverse earth surface processes and the
landforms they produce. Topics include
processes and landforms associated
with: weathering, mass wasting, rivers,
karst, tectonics, glaciers, shorelines,
wind. Emphasis placed on environ-
mental and land-use applications. Field
and lab assignments include qualitative
descriptions and quantitative measure-
ments from fieldwork, topographic and
glacial morphology, and aerial photographs.
Three hours of lecture and two hours of
lab per week. Prerequisite: ENS 241 or
permission from the instructor.

ENS 362  4 hours
Hydrogeology
Basic processes and measurement of
the hydrologic cycle including precipita-
tion, evaporation, surface runoff, stream
flow, soil moisture, and groundwater.
Emphasis placed on groundwater,
including: aquifer characteristics,
principles of flow, conceptual models of
regional flow, geology of occurrence,
well hydraulics, chemistry and quality,
detection of pollutants, contaminant
transport and remediation, and resource
development. Three hours of lecture
and two hours of lab per week.
Prerequisites: ENS 241 or permission
from the instructor.

ENS 363  4 hours
Applied Geology
and Environmental Planning
The application of principles from
surfacial geology and hydrology in the
recognition, assessment, and mapping of
environmental geo-hazards and the
context of environmental planning.
Topics include hazards and land-use
analysis of soils, slopes, floods,
groundwater, coasts, and tectonic
activities. Three hours of lecture and
two hours of lab per week. Prerequisite:
ENS 241 or permission from the
instructor.

ENS 370  1-4 hours
Selected Topics

ENS 383  4 hours
Environmental Ethics
An in-depth discussion of the ethical
implications of major environmental
problems such as world population
and food supply, inequities in land and
resource distribution, animal rights,
materialism and personal life styles,
and exploitation vs. stewardship of
the environment. Three hours of lecture
and a discussion section per week.
Prerequisite: junior/senior ENS majors
or permission from the instructor.

ENS 393  1-4 hours
Practicum

ENS 402  4 hours
Environmental Law and Policy
Lectures introduce the major elements
of U.S. environmental law including the
NEPA, EIS, CAA, CWA, RCRA, CERCLA,
TSCA, FFIRA, and CIRK. The adminis-
trative process, cost/benefit analysis,
and the role of litigation in enforcement
are also discussed. Presentation
techniques and debate skills are
introduced. Three hours of lecture and
discussion section per week.
Prerequisite: senior environmental
science majors and minors or permission
from the instructor.

ENS 450  1-4 hours
Directed Research

ENS 490  1-2 hours
Honors

IAS 493  4 hours
Senior Seminar
Introduction
Taylor University seeks to develop competent, caring, and reflective teachers prepared for world service. The belief that teachers who have experienced a rigorous professional preparation within the framework of evangelical Christian values will have a profound influence on the students they teach in public, private and/or overseas schools pervades the education program approach. A comprehensive liberal arts curriculum provides the foundation for subject matter competence as well as lifelong learning, leadership, and continued growth in the teaching profession. The department of education cooperates with other departments to ensure the development of high quality general education and major fields of study. Taylor University's teacher education program is accredited by NCATE (the National Council for Accreditation of Teacher Education) and the Indiana Professional Standards Board. Admission to retention in, and completion of an approved teacher education program at Taylor University is coordinated by the director of teacher education.

Students seeking teaching certification may fulfill the requirements while earning either a bachelor of arts or bachelor of science degree. The bachelor of arts degree requires the completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in education.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Advisement
Students wishing to explore or prepare for the teaching profession should become involved in the teacher education program as early as possible in their college careers. It is advised that initial steps be taken as an entering freshman or as soon as possible after entering Taylor. Upon declaring a major area of study (elementary or secondary), the student is assigned an academic advisor. This academic advisor continues to advise the student throughout the entire program. However, by use of the curriculum guide for the chosen area of study, much of the student's planning may be self-directed. Curriculum guides containing course requirements for all teacher education programs offered at the university may be obtained from the department of education. The Teacher Education Program Student Handbook includes a four-year program time line and course sequence for general education and major and professional education courses that assist the students in planning their teacher education program.

Admission to the Teacher Education Program: Step One
There is a formal admission procedure to the teacher education program. A student is admitted to the program upon completion of an official application form (initiated through the office of the director of teacher certification) and favorable action by the Teacher Education Committee. The application should be completed during the first term of a student's sophomore year. Students are formally admitted to the teacher education program after completing three terms of college work, one of which must have been at Taylor. The Teacher Education Committee has established standards that students must meet in order to be admitted to and remain in the program. Factors encompassed by these standards are scholastic performance, communication skills, portfolio requirements, and departmental recommendation. Detailed explanations of these standards may be obtained from the Department of Education.

Admission to Supervised Internship (Student Teaching): Step Two
Subsequent to admission to the program, there is a formal admission procedure to student teaching. The application is initiated and facilitated through the office of the director of field experiences and should be prepared and ready for consideration (by the Teacher Education Committee) by the beginning of the sixth term. The factors considered by the Teacher Education Committee include (1) successful completion of prerequisite courses, (2) departmental recommendation, (3) portfolio requirements, and (4) scholastic performance. Detailed explanations of these standards may be obtained from the Department of Education.

Scholastic Performance
Teacher education program standards include students passing all education (EDU prefix) courses with grades of C- or better. Also, a grade of C- or better in education courses must be achieved as a condition for taking sequential courses for which the course is a prerequisite.
Transfer of Credit from Other Institutions

Students seeking admission to the Taylor teacher education program through transfer from another institution must meet the standards required of regularly enrolled students. Credits are assessed by the registrar. The director of teacher certification, after consultation with the appropriate department chair, will accept transfer credit when the courses taken are equivalent to requirements on a designated major curriculum guide.

Field Experiences and Student Teaching

Field experiences with children and youth, with strong emphasis on multicultural education, are considered a vital part of the preparation of the teacher. Beginning with the first professional education course and continuing through the senior year, such experiences are required for each prospective teacher. The culmination of these professional experiences occurs during the senior year with full-time student teaching. During this final experience, a student is expected to assume as much as possible the total responsibilities of a teacher. Student teaching is a 16-week fall term activity; however, student teaching during the spring term of the senior year is available to selected students by special permission of the academic department and the Teacher Education Committee. Students must complete major and minor courses prior to being approved to student teach in these areas. See specific department requirements.

Opportunities are provided for overseas student teaching. After completing a ten-week experience stateside, students may teach for six or more weeks in an overseas setting. Application for overseas student teaching must be submitted during the sophomore year. Applications are available in the Department of Education.

TEACHER EDUCATION PROGRAMS

Fields of Study

Curricula that meet the licensing standards of the Indiana Professional Standards Board are listed on the curriculum guides available to each student. Preparation for standard teaching licenses in the following fields is provided at Taylor.

Elementary Education (First Through Sixth Grades)

Included in the elementary education curriculum are selected general education courses, directed electives, free choice electives, and professional education courses.

Requirements for the elementary education major include 71-75 hours in general education (language arts, science, social studies, mathematics, arts, physical education and health) and subject matter concentration (49-52 core major hours)—ENG 210, EDU 242 or 243, 350, 351, 353, 371, MAT 201, 202, PHY 121, ART 300, MUS 301, PHP 250, HIS 100, IAS 493; 38 hours in professional education—EDU 150, 260, 350, 351, 353, 421, 441, PSY 240, IAS 493 (also a part of the core major); and 27 hours of directed and free choice electives.

The following certification minors and endorsements may be added to the elementary license: computer endorsement, junior high/middle school endorsement (in the areas of language arts, mathematics, science, and social studies), kindergarten endorsement, coaching endorsement, and music minor.

All-Grade Education (Kindergarten Through Twelfth Grades)

Preparation is offered for all-grade education in music (instrumental, choral, and general), physical education, and visual arts.

Requirements for the all-grade education major include 40-48 hours in general education (humanities, life and physical sciences, social and behavioral sciences); 31 hours in professional education—EDU 150, 260, 312, 322, 332, 411, 431; 36-56 hours in subject matter concentration (see specific major for detailed requirements); and 15 hours in directed electives.

Senior High, Junior High and Middle School Education (Fifth Through Twelfth Grades) and Secondary Education (Ninth Through Twelfth Grades)

The following areas offer both majors and minors: English, French, mathematics, physical education, science (biology, chemistry, general science, mathematics, physics), social studies (economics, geography, government, psychology, sociology, U.S. history, world civilization), Spanish, speech communication and theatre, and visual arts. Also offered are minors in health and safety and physical science, and endorsements in coaching and computer. The student preparing to teach in the secondary schools will select a teaching major. Students are urged also to select a minor or endorsement.

Requirements for the senior high, junior high, and middle school education major include 40-48 hours in general education (humanities, life and physical sciences, social and behavioral sciences); 31 hours in professional education—EDU 150, 260, 312, 322, 332, 411, 431; 36-56 hours in subject matter concentration (see specific major for detailed requirements); and 15 hours in directed electives.

Requirements for the secondary education major include 40-48 hours in general education (humanities, life and physical sciences, social and behavioral sciences); 28 hours in professional education—EDU 150, 260, 312, 322, 411, 431; 36-56 hours in subject matter concentration (see specific major for detailed requirements); and 15 hours in directed electives.

Associate of Arts Degree

In addition to the baccalaureate degree programs maintained by the department, a two-year curriculum in early childhood education is offered for students who wish to qualify for leadership positions in day care centers, Headstart, and preschool programs. This program blends a series of liberal arts courses with practical experiences in field centers and professional content to prepare early
childhood workers. The program includes two curriculum workshops that integrate the early childhood curriculum in the liberal arts with a multicultural/multiethnic emphasis, experience at field-based centers, and a core curriculum. The student will spend at least three hours weekly in a field-based center (selected day care, preschool, or Headstart facilities).

This degree requires 68 hours including ART 300; BIB 110, 210; CAS 110; COS 104 or 106, EDU 223 (taken each interterm), 280, 290, 300, 320; ENG 110; PHP 100, 200; HUM 230 or ENG 230; HUM 250; IAS 101, 110; MUS 301; PSY 240, SOC 220, 381; and a science course.

**Certification**

All teacher education programs have been designed to meet Indiana certification requirements and have been approved by the Indiana Professional Standards Board. Students who meet graduation requirements, complete an approved teacher education program, successfully complete student teaching, and meet the Indiana qualifying scores on the required Praxis tests will be eligible for Indiana certification (a teaching license). The teacher certification office is responsible for verifying to the Indiana Professional Standards Board that all requirements for certification have been met and for processing all applications for certification.

Indiana has an Interstate Agreement Contract with many states (reciprocity). However, additional requirements may need to be met in order to receive permanent certification in these states. Students who plan to teach outside of Indiana should obtain a current description of certification requirements from each state where they plan to teach because requirements often change from year to year. Addresses and telephone numbers for every State Department of Education are available in the teacher certification office.

**Accreditation**

The teacher education programs are accredited by the National Council for Accreditation of Teacher Education and the Indiana Professional Standards Board.

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### Comprehensive Exam Requirement

All elementary education majors are required to take the Elementary Education: Curriculum, Instruction, and Assessments Specialty Area Test (Praxis II) and score 143 or above. Any elementary education major who does not successfully pass is provided opportunity to participate in a tutorial guided instruction program under the direction of the Learning Support Center to prepare for retaking the test.

In secondary education, the comprehensive examination is in the major teaching field. A student is allowed a maximum of three attempts to pass the comprehensive examination in any single major.

### Practicum

Opportunities for practicums in rural, urban, and overseas settings are available. A practicum is supervised learning involving a firsthand field experience or a project. It is offered primarily during interterm and summer with the consent of a supervising professor and the approval of the department chair. Under certain conditions a practicum may be required to demonstrate readiness for student teaching. In order to receive a grade, the experience or project must be supervised.

### Education Courses

**EDU 150** 3 hours  
**Education in America**  
A study of the historical, philosophical, and sociological foundations of education. The organization and role of the public school, P-12, in a multicultural society are studied. An analytical study of teaching is made, including concepts of teaching and leadership roles. The course includes a study of multicultural and ethnic differences among students and the resulting effect on the teacher's role. Includes a field experience lab.

**EDU 223** 4 hours  
**Supervised Field Experience in Early Childhood Education**  
A full-time, four-week participation experience in a preschool, day care center, or Headstart. The student assumes a position of leadership with children under the supervision of qualified early childhood teachers.

Students pursuing the AA degree complete this interterm course two times, once in a day care center or Headstart and once in a preschool.  
**Prerequisite:** EDU 280 or 290 or permission of instructor.

**EDU 242** 3 hours  
**Microcomputers in Educational Settings**  
Key concepts of learning theory that have a direct bearing upon using microcomputer software are reviewed. Students become aware of a variety of software and hardware and its application to classroom instruction. Opportunities to develop word processing and programming skills are provided in the Learning Support Center computer lab. *Meets the general education computer literacy requirement.*

**EDU 243** 1 hour  
**Computer Applications in Elementary Education**  
The course includes topics of CAI, hypermedia — multimedia development, distance learning, and educational simulations. The course examines the pedagogical value of computers. EDU 243 fulfills the one hour of computer application general education requirement for elementary education majors.  
**Prerequisite:** COS 104 or 106.
EDU 260 3 hours
Educational Psychology
The study and application of learning theories and psychological concepts and principles to the teaching-learning process. The teacher's responsibility to all types of special needs students is explored. Cognitive, affective, and psychomotor aspects of the teaching-learning process are considered. Other topics include are statistics, tests and measurement, motivation, and classroom management. Includes a field experience lab. Prerequisite: EDU 150.

EDU 280 4 hours
Communications and Language Arts in the Preschool and Kindergarten
This course deals with the many areas involved in developing positive forms of communicating with emphasis on nonverbal and listening skills and examines the many facets of the language arts curriculum in public/private schools and kindergartens. These include language development (ethnic, cultural, and disability awareness), teaching strategies and techniques utilizing a variety of visuals, reading readiness programs, and evaluation forms for children. Weekly observation of and participation with children in preschool, kindergarten or Headstart help students become aware of the wide abilities within these classrooms. Prerequisite: EDU 150 for those seeking the BS or BA degree. Offered every third semester. (Spring, 2001)

EDU 300 4 hours
Teaching the Young Child in the Preschool and Kindergarten Classroom
This course deals with the history of early childhood education and also takes an in-depth look at the qualities needed to become an effective kindergarten and preschool teacher. Students study all the professional aspects of developing appropriate curriculum (including the ethnic, cultural, and special needs of children) and the desirable physical setting. Methods that meet the physical, emotional, social, mental, and spiritual developmental growth of young children are explored. These include nutrition, health, safety, creative movement, art, music, discipline approaches, and identification of the various types of child abuse. On-site visitation, interviewing teachers and resource people, discovering appropriate media, and reading assignments aid in developing skills and materials needed to teach kindergarten, preschool, or Headstart in public or private schools. Prerequisite: EDU 150 for those seeking the BS or BA degree. Offered every third semester. (Fall, 2000; Spring, 2002)

EDU 310 2 hours
Discipline and Classroom Management
This course is designed to assist students in developing practical skills and techniques for organizing the classroom and maintaining effective discipline. Students develop a plan for discipline and classroom management that utilizes a proactive approach based on positive ethical practices consistent with Christian and democratic principles. Several widely accepted discipline theories along with the study of legal implications for teachers are used in conjunction with observations and case studies to assist students in developing effective discipline plans. Open to freshmen only by permission of instructor. Prerequisite: EDU 150. Offered spring semesters.

EDU 312 2 hours
Teaching in Secondary, Junior High/Middle Schools—Special Methods
A special junior level methods course taught by specialists in the student's major department. All aspects of planning, teaching, and evaluating within a specific subject area are discussed. Includes a field experience lab. Prerequisites: EDU 150, 260, and approval into the teacher education program. To be completed spring term prior to student teaching.

EDU 320 3 hours
The Exceptional Child
This course is designed to prepare the teacher for the challenge of meeting the needs of exceptional children in the regular classroom. A general study of exceptional children focuses on mainstreamed and included special education students. Various topics included are identification of exceptional children, their characteristics and special needs, delivery of services, instructional methods and techniques, and evaluation. Prerequisite: EDU 150. Offered spring semesters.
EDU 322  3 hours  
Reading for Junior High/Middle School and Secondary Teachers  
This course is designed to provide practical procedures for developing effective reading skills at the junior high, middle, and secondary school levels. Attention centers on understanding the relationships between the processes of reading and the learning of content. Suggestions on how to meet the total range of student reading needs in the classroom are addressed. Methods and materials to enhance advanced comprehension and study skills of adolescents in a multicultural society are presented. Includes a field experience lab. Prerequisite: EDU 150, and approval into the teacher education program. Offered spring semesters.

EDU 332  3 hours  
The Junior High/Middle School  
A study of the philosophy, development, and organization of middle schools and junior high schools. Examines through readings, seminars, field experiences, and classroom investigations the purpose, curriculum, and instructional strategies, including the use of appropriate media and technology, for effective teaching in junior high/middle schools. This course provides prospective teachers with knowledge and understanding of the adolescent, the school, and practical teaching activities. Includes a field experience lab. Prerequisite: EDU 150, 260. Must be completed prior to student teaching.

EDU 350  3 hours  
Teaching Developmental Reading in the Elementary Classroom  
An examination of current methods, materials, and media used in teaching reading in a multicultural society. The foundations of reading skills instruction and the development of the hierarchy of reading skills are studied in relation to the total range of student needs. The reading/writing connection and literature-based programs are addressed. Prerequisites: EDU 150, 260, and approval into the teacher education program. Corequisite: EDU 371. Offered fall semesters.

EDU 351  3 hours  
Methods and Materials for Elementary Teachers  
An integrative approach of utilizing a variety of effective instructional methods and resources with content areas, including science and social studies, appropriate for elementary children. Strategies for working with diverse student populations and incorporating current educational technology competencies are included. Prerequisites: EDU 150, 260, and approval into the teacher education program. Offered spring semesters.

EDU 353  3 hours  
Diagnostic and Corrective Reading for the Elementary Classroom  
This course is designed to assist classroom teachers in the knowledge, operation, and execution of diagnostic tools to assess reading problems of elementary school children. Students prepare plans of correction for elementary school children's weaknesses in reading. Includes a field experience lab. Prerequisites: EDU 150, 260, 350, and approval into the teacher education program. Offered spring semesters.

EDU 360  1-4 hours  
Independent Study

EDU 370  1-4 hours  
Selected Topics

EDU 371  3 hours  
Children's Literature Through the Language Arts  
The various genres of children's literature are explored through the communication modes of listening, writing, and speaking. Teaching methodologies in language arts are included. Literature dealing with diversity and special needs is included. Includes a field experience lab. Corequisite: EDU 350. Offered fall semesters.

EDU 393  1-4 hours  
Practicum

EDU 411  2 hours  
The Teacher in the Secondary Schools  
A seminar/general methods course taught concurrently with student teaching. General and specific teaching methods are included in the seminars. Topics covered are professional ethics, assessment, classroom management and discipline, time management, special needs of students (including culturally diverse, mainstreamed, at-risk, and latched key students, one-parent families, teen-age mothers, extended families, children home alone, etc.), motivation, professional organizations, legal implications for the teacher, building one's credential file, interviewing skills, and first-year teaching. Corequisite: EDU 421.

EDU 420  1-4 hours  
Seminar

IAS 493  4 hours  
Senior Seminar

Students address current and future issues related to teaching through lectures, readings, school visits, and discussion. The integration of Christian philosophical concerns with the current role and responsibilities of teachers is emphasized.
The English department offers courses intended to help students write clearly and effectively and to read literature with critical appreciation. All students take courses in expository writing and selected literary works.

The major in English prepares students to enter such careers as education, law, business, Christian ministry, writing, editing, research, library science, public relations, travel, civil service, and administration. The major also prepares for graduate-level studies in English. Creative writers will find opportunity in "Parnassus," a literary magazine published each spring semester. The January interterm offers a tour to London, England, that combines the study of British literature with visits to important literary and historical sites.

The bachelor of arts degree requires completion of two years of one foreign language. The bachelor of science degree must be combined with education or systems analysis.

The major in English is offered with a concentration in either literature or writing, or in both if there are no overlaps except for ENG 212 and one general education survey course.

**English/Literature Concentration**

The bachelor of arts degree in English with a concentration in literature requires two years of one foreign language and at least 39 hours in addition to ENG 110. Required courses are ENG 212, 230, 240, 362; IAS 493; two courses concentrating on literature before 1900 from ENG 330, 340, 361, 371, 412, 420, 426, 431, 441; and one course from literature after 1900 from ENG 361, 371, 442, 444 (ENG 361 and 371 may count toward only one category, although they qualify for either before or after 1900). Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. PSY 340 is also required. Detailed curriculum guides are available from the education department.

The English education minor consists of at least 26 hours in addition to ENG 110. Required courses are ENG 212, 211 or 320 or 321, 230, 240, 302; CAM 250; ENG 370 (when taught as literature of minorities) or 373 or 442 or 444.

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**English Minors**

Three BA English minors are available. The general English minor consists of at least 17 hours in addition to ENG 110 and may not be combined with any other English program. Required courses are ENG 212; at least one course from ENG 230, 233, 240, 250, or 370 (when applicable); and three more courses of at least three credit hours in ENG writing or literature. The writing minor consists of at least 17 hours in addition to ENG 110 and is excluded from English majors with writing concentrations. Required courses are ENG 212; at least one course from ENG 211, 320, 321, 333, or 472; two courses featuring miscellaneous writing from ENG 360, 393, 410, CAM 320, 343, 350; and one additional writing elective or another course of at least three credit hours in English writing or literature. The literature minor consists of at least 17 hours in addition to ENG 110 and is excluded from English majors with literature concentrations. Writing concentration majors may overlap only ENG 212. Required courses are ENG 212; at least one course from ENG 230, 233, 240, 250, or 370 (when applicable); and three more courses of at least three credit hours in 300- or 400-level English literature (only four may be in 370).

**Writing and Language Courses**

**ENG 100** 2 hours

**Basic English**

Intensive review of basic grammar and mechanics. Practice in writing clear sentences, paragraphs, and short prose compositions. Enrollment by assignment. Offered fall semesters.

**ENG 110** 4 hours

**Expository Writing**

Practice in writing clear and effective prose through several expository modes, including a formal research paper. Brief review of grammar and mechanics as necessary, with concentration on analytical thinking. To be taken during the freshman year. ENG 110 is prerequisite to all other English courses except ENG 100, 112, 230, 233, 240, and 250.
ENG 112  5 hours
American English for International Students
Intensive practice in writing expository prose in the idiom of academic English, including a formal research paper. Review of grammar and mechanics. Enrollment by assignment. Meets ENG 110 general education requirement. Offered fall semesters.

ENG 210  3 hours
Writing for Teachers
Advanced writing class for prospective educators. Includes a research component, reading and writing in the disciplines, and a standardized grammar test (to be passed at the 70 percent-level). Required for elementary and secondary majors seeking certification. Not required of English majors or minors. Prerequisite: ENG 110.

ENG 211  3 hours
Imaginative Writing
A general introduction to and overview of creative writing (including poetry, fiction, drama, and creative non-fiction) that meets the requirement for secondary education students and also serves potential majors and other interested students. Classroom setting with textbook; directed workshop activities after midterm facilitated by selected ENG 410 students. Prerequisite: ENG 110. Offered fall semesters.

ENG 212  4 hours
Critical Approaches to Literature
Introduction to basic literary analysis and theory with emphasis on informed reading and critical, written response to selections from poetry, fiction, drama, and film. Includes minorities literature. Primarily intended for English majors but recommended for all students who desire greater reading and writing skills. Prerequisite: ENG 110.

ENG 300  1-2 hours
Literary Magazine Laboratory
Hands-on production of Taylor's literary magazine from concept to finished product. Two credit hours per semester may be earned by students holding senior editorships of Taylor's official literary magazine. One hour per semester may be earned by those holding secondary positions approved by the instructor. A maximum of four hours may count toward fulfilling the English writing concentration requirements; two hours maximum may count toward the English literature concentration or secondary education major requirements. A maximum of six hours in all writing lab courses from any discipline may be earned toward graduation. Prerequisite: Permission of writing coordinator.

ENG 302  4 hours
Linguistics and Grammar
Analysis of the English language with attention to its history, nature, and structure. Prerequisite to student teaching, except with departmental approval for appropriate delay. Prerequisite: ENG 110. Offered spring semesters.

ENG 320  3 hours
Poetry Writing
Comprehensive instruction and guided workshop in writing poetry. Recommended for English BA majors with either literature or writing concentrations; available to all majors. Meets requirement for secondary education students. Prerequisite: ENG 110. Offered spring semesters.

ENG 321  3 hours
Fiction Writing
Comprehensive instruction and guided workshop in writing fiction. Recommended for English BA majors with either literature or writing concentrations; available to all majors. Meets requirement for secondary education students. Prerequisite: ENG 110. Offered spring semesters.

ENG 333  4 hours
Business and Technical Writing
Practice in the forms of writing required in business and industry. Prerequisite: ENG 110. Offered fall semesters.

ENG 410  4 hours
Advanced Writing Workshop
Intensive practice in selected creative genres. Students may also serve as workshop leaders for ENG 211 students. Enrollment with permission of instructor. May be taken twice. Prerequisite: One of the following: ENG 211, 320, 321, or 472. Offered fall semesters.

ENG 472  4 hours
Freelance Writing
Experience in the techniques and strategies of freelance writing, working toward publication. Prerequisite: ENG 110. Offered spring semesters.
Literature Courses

ENG 230  4 hours  
World Literature  
A selective survey of world literary achievement from antiquity to the present, tracing the development of themes and ideas.

ENG 233  4 hours  
Literary London  
A study tour conducted each January in England, combining study of selected major British authors with extensive sightseeing in London and surrounding counties. Enrollment with permission of instructor. Offered intersemesters.

ENG 240  4 hours  
American Literature  
A survey of the American literary tradition from its origins to the present, evaluating and comparing themes, ideas, and styles.

ENG 250  4 hours  
British Literature  
Explores British literature from its beginnings to the present, including a brief historical overview of the development of the English language.

ENG 330  4 hours  
Early American Literature  
Explores the complexity of literary origins with its variety of Native-American, discovery, colonial, federal, Enlightenment, and African-American voices up to the Romantic period. Prerequisite: 200-level English literature course. Offered fall semester of odd years.

ENG 340  4 hours  
American Romanticism and Realism  
Investigates the usefulness of the traditional juxtaposition of romantic and realistic philosophies and conventions when studying nineteenth- and early twentieth-century American works. Prerequisite: 200-level English literature course. Offered spring semester of odd years.

ENG 360  1-4 hours  
Independent Study

ENG 361  4 hours  
Drama  
A selective survey of the historical development of drama from its origins to the present day. Prerequisite: 200-level English literature course. Counts for either pre-twentieth- or twenty-first-century requirement. Offered spring semester of odd years.

ENG 362  3 hours  
Shakespeare  
Intensive analysis of selected plays and sonnets. Attention is given to the conventions of the Elizabethan and Jacobean theater. Prerequisite: 200-level English literature course. Offered spring semesters.

ENG 370  1-4 hours  
Selected Topics: Themes and Genres  
Examples of courses: Women and Literature; Native-American Literature; African-American Literature; The American South and Its Literature; Christian Mythic Writers; Images and Visions of Paradise; Mark Twain: God and the Human Race; Heroes, Heroines, Saints, and Lovers. Offered primarily during interterm, occasionally during a regular fall or spring term.

ENG 371  4 hours  
The Novel  
A selective survey of the historical development of the novel, from its origins to the present day. Prerequisite: 200-level English literature course. Counts for either pre-twentieth- or twenty-first-century requirement. Offered spring semester of even years.

ENG 373  4 hours  
Literatures of Cultural Diversity  
A critical study of life in a global community focusing on the twentieth-century literature of one of more cultures. Primarily intended for English majors but recommended for all students desiring cross-cultural awareness. Prerequisite 200-level English literature course. Offered spring semester of even years.

ENG 393  1-4 hours  
Practicum

ENG 412  4 hours  
Early English Literature  
A selective study of English literature from "Beowulf" through Chaucer and Malory's "Le Morte d'Arthur." Prerequisite: 200-level English literature course. Offered spring semester of odd years.

ENG 422  4 hours  
Renaissance Literature  
A study of representative prose writers and nondramatic poets of the English Renaissance such as More, Spenser, Donne, Herbert, and Milton. Prerequisite: 200-level English literature course. Offered fall semester of even years.

ENG 426  4 hours  
Restoration and Eighteenth-Century Literature  
A selective study of poets and prose writers from 1660 to 1798, such as Defoe, Dryden, Fielding, Pope, Swift, Boswell, and Johnson. Prerequisite: 200-level English literature course. Offered spring semester of even years.

ENG 431  4 hours  
Romantic Literature  
A study of writers from 1798 to 1832, such as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and Lamb. Some attention is given to representative novelists. Prerequisite: 200-level English literature course. Offered fall semester of even years.

ENG 441  4 hours  
Victorian Literature  
English authors from 1832 to 1901, such as Tennyson, Browning, Arnold, Carlyle, Newman, and Ruskin. Some attention is given to representative novelists. Prerequisite: 200-level English literature course. Offered fall semester of odd years.

ENG 442  4 hours  
Modern American Literature  
Explores the themes and characteristics of key works of American fiction, poetry, and drama in the context of the twentieth century. Prerequisite: 200-level English literature course. Offered fall semester of even years.

ENG 444  4 hours  
Contemporary Literature  
A study of selected poetry, fiction, and drama since 1960. Prerequisite: 200-level English literature course. Offered fall semester of odd years.

ENG 450  1-4 hours  
Directed Research

ENG 480  1-4 hours  
Seminar

ENG 490  1-2 hours  
Honors

IAS 493  4 hours  
Senior Seminar
GEOGRAPHY

Chair, Professor Jenkinson

The geography curriculum provides knowledge and understanding of the physical, cultural, political, and economic realities of today's world. It stresses the understanding of the varied and complex environments of the earth, gives meaning to location, and establishes a stage for understanding the connections among places, peoples, and environments. It provides an understanding of the process of continual change and how humans modify the Earth as their value system and level of sophistication dictates in the context of stewardship and use. The curriculum also provides the students in the liberal arts setting with basic facts, necessary skills, and an appropriate conceptual frame of reference, including the understanding that most phenomena in any area are spatially associated and interdependent.

Geography
The bachelor of arts degree with a major in geography requires two years of one foreign language and a minimum of 50 hours including GEO 210, 220; ENS 231, 351, 383; IAS 493 (HIS or ENS); 12 hours from GEO 230, HIS 211/311, HIS 212/312, HIS 213/313, HIS 215/315; eight hours from ENS 241, ENS 361, ENS 362, ENS 363; and six elective hours from ENS 242, ENS 340, ENS 341, ENS 402, GEO/ENS 360, GEO/ENS 370, GEO/ENS 393, ENS 450, ENS 490.

The geography minor requires 17 hours including GEO 220; one course from GEO 210, GEO 240, ENS 241; one course from HIS 211/311, HIS 212/312, HIS 213/313, HIS 215/315; and a minimum of five elective hours (2 courses) from GEO 230, GEO 360, GEO 370, GEO 393, ENS 231, ENS 242, ENS 351, ENS 361, and one area course not used previously from HIS 211/311, HIS 212/312, HIS 213/313, HIS 215/315.

Geography Courses

GEO 210 4 hours
Physical Geography
The study of the basic physical characteristics of the earth and the effect of the natural environment upon the activities of humankind.

GEO 220 4 hours
Regional Geography
A course offering basic ideas and supporting facts about contemporary world geography. Students study eight world regions: Europe, the former Soviet Union, Latin America, Anglo-America, the Middle East, the Orient, the Pacific World, and Africa.

GEO 230 3 hours
Political Geography
The geographic interpretation of world relations. The relationships of geographic elements to the development of nations both past and present are examined. Offered in even numbered years.

GEO 240 4 hours
Introduction to Geology
A basic course dealing with the fundamental concepts of physical and historical geology.

GEO 360 1-4 hours
Independent Study

GEO 370 1-4 hours
Selected Topics

GEO 393 1-4 hours
Practicum

GOAL-ORIENTED MAJOR

The goal-oriented major recognizes that departmental majors may not meet the unique needs of some students who attend Taylor University. This major allows a student (with faculty guidance) to design from existing courses a program of study that is valid academically and meets personal and/or professional goals.

It is expected that the major will be thoughtfully and carefully designed. Therefore, a student should have some college experience before applying for a goal-oriented major and should not begin the application process prior to the second semester of the sophomore year. The student should also seek advice from at least two faculty advisors from different departments that most closely fit the needs of the goal-oriented major. Consultation from literature or an individual within the field of interest is also a prerequisite. Finally, the student should make an appointment to discuss his/her plans with the chair of the goal-oriented major subcommittee. The curriculum management committee will make final approval of the application.

A grade point average of 2.80 or above is required to be admitted into the program. As with all majors, a minimum of 128 hours is necessary for graduation, but at least 48 of these hours must be completed after the approval of the application. The application deadline is April 15 of each academic year.

The bachelor of arts degree program requires completion of two years of one foreign language and a minimum of 46 hours in the major. A bachelor of science degree in the goal-oriented major requires a minimum of 60 hours in the major, including a minimum three-hour practicum. The bachelor of science degree requires 46 hours if combined with curriculum requirements in systems analysis. The senior seminar requirement may be fulfilled by choosing the senior seminar offered by either the primary or the secondary area of the major. The required senior comprehensive exam will be a paper (3,000 words or more) that integrates the several components of the major. All general education, degree, and major requirements listed in this catalog must be fulfilled.
The history department believes that a study of our ancestors and their cultures provides the necessary perspective for living meaningfully in contemporary society. If God's purposes for humankind are timeless, and if the results of obedience and disobedience to His will are the same in the past as in the present, then we must learn from the past in order to live in the present with meaning, pondering the future with confidence.

Many history majors teach; many do not. Of those who do not, a few directly enter history-related vocations (e.g., museum directors and curators, archivists, government and industrial historians). More nonteaching majors enter vocations where history is useful as general background rather than specific vocational training. For example, they become ministers, lawyers, or librarians or accept government or business positions. Most of these professions either require graduate study or provide for greater career advancement because of graduate study beyond the undergraduate history major.

Most seminaries, law schools, and graduate schools of library science and business look upon history as an excellent undergraduate major. Many graduate school leaders consider the combination of an undergraduate major in a liberal arts subject such as history with the directly vocational graduate curriculum to be the best possible professional training.

The bachelor of arts degree requires the completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in either education or systems analysis.

History

Students majoring in the department are advised to plan a program with a proper balance between American and world history courses. All students expecting to major in the department who do not have a strong history background on the secondary level should take HIS 100 and 120 as early in their program as possible. The bachelor of arts degree with a major in history requires two years of one foreign language and 40 total hours including 36 hours of his courses and IAS 493. The 36 hours of his courses must include HIS 130 and a minimum of 12 hours in American history and 12 hours in world history. Furthermore, in the world history block, a major must complete at least one of the following: HIS 211/311, HIS 212/312, HIS 213/313, HIS 215/315, or HIS 321.

Students majoring in another department may add a history minor of at least 17 hours with a minimum of 12 of these hours being concentrated in either American or world history.

History/Systems

The bachelor of science degree with a major in history/systems consists of the 40-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; HIS 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a C- or better.

Social Studies Education

The department, in cooperation with the education department and other social science areas, offers a social studies education major leading toward certification to teach in the secondary schools. Either baccalaureate degree in the social studies education major requires a minimum of 64 hours divided among economics, geography, government (political science), psychology, sociology, United States history, and world civilization. The student selects one of the above as a primary area (18 hours), two others as support areas (12 hours each), three of the remaining four areas for a single course each (minimum of 10 hours total), and IAS 493. Professional education requirements include 28 hours including EDU 150, 260, 312, 322, 411, 431. EDU 332 is required for senior high, junior high, and middle school licensure. ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

A social studies education minor includes 24 hours with 15 of these hours devoted to study in one of the seven social science areas. Nine hours must be selected from three areas other than the 15-hour social science area.

Economics: ECO 211 and 212 are required; select 10 hours for the primary area, four hours for the supporting area, or seven hours for the minor from ECO 321, 331, 332, 333, 370, 411, 415, 442.

Geography: GEO 210 or 240 and GEO 220 are required; select 10 hours for the primary area, four hours for the supporting area, or seven hours for the minor from GEO 210 or 240 (if not taken in the required courses), 230, 360, 170/370, 393, 450; HIS 211/311, 212/312, 213/313, 215/315, 490.

Government: POS 100 and 211 are required; select 10 hours for the primary area or four hours for the supporting area from POS 222, 312, 321, 325, 331, 360, 365, 372. The minor requires eight elective hours from POS 312, 331, 372.

Psychology: PSY 200, 240, and 340 are required; select nine hours for the primary area, three hours for the supporting area, or six hours for the minor in PSY 110, 140, 125, 210, 272, 300, 310, 321, 330, 331, 370, 390, 393, 400, 410, 411, 420, 422, 441, 450, 461, 480.

Sociology: SOC 100 and 350 are required; select 11 hours for the primary area, five hours for the supporting area, or eight hours for the minor from SOC 210, 220, 355, 360, 370, 381, 393, 410, 450, 490, PSY 321.

U.S. History: HIS 120 and 392 are required; select nine hours for the primary area, three hours for the supporting area, or six hours for the minor from HIS 130, 170/370, 230, 323, 341, 351, 362, 360, 371, 372, 393, 490.

World Civilization: HIS 100 and 332 are required; select at least 4 hours in each of the first two categories and no more than three hours in the third category for a combined total of at least 18 hours for the primary, at least three hours from one or more of the categories for the supporting area, and
six hours for the minor — (1) HIS 222, 240, 331, 342, 361, 365, 391; (2) HIS 211/311, 212/312, 213/313, 215/315, 250, 321; (3) HIS 130, 170/370, 360, 393, 490.

HIS 211/311, 212/312, 213/313, 215/315 may count in world civilization or geography, but not in both areas. PSY 321 may count in psychology or sociology, but not in both areas. HIS 130 may count in U.S. history or world civilization, but not in both areas. HIS/POS 365 may count in political science or world civilization, but not in both areas.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

History Courses

HIS 100  5 hours  World History
A survey of the civilizations of Europe, Asia, Africa, and the Western Hemisphere from the beginning of recorded history to the present.

HIS 120  5 hours  History of the United States
A survey of the social, political, and cultural development of the people of the United States from the colonization period to the present.

HIS 130  2 hours  Introduction to History
An introduction to the discipline of history. Emphasis is placed on acquainting students with the major components of historical inquiry, current issues in the field, computer applications, and fundamental questions relative to the philosophy of history. Required for history majors. Offered spring semesters.

HIS 170/370  1-4 hours  Selected Topics

HIS 211/311  4 hours  History and Geography of Latin America
An historical and geographical study of the nations between the Rio Grande River and Cape Horn. Attention is given to the development of each Latin American area and its relationship to the United States. Offered spring semester of odd years.

HIS 212/312  4 hours  History and Geography of East Asia
An examination of the histories of China, Japan, and Korea from their earliest foundations to the contemporary era with particular emphasis on the political, religious, philosophical, and cultural underpinnings of these societies. The geographic aspects of the region are also included. Offered spring semesters.

HIS 213/313  4 hours  History and Geography of Africa
A study of the historic, physical, and cultural aspects of Africa with primary emphasis on sub-Saharan Africa and including the significant role that Africa plays in the modern world.

HIS 215/315  3 hours  History and Geography of South Asia
An exploration of the political, cultural, and religious development of the Indian subcontinent from 2500 B.C. to the modern era as well as a survey of Southeast Asia with a focus on Indonesia, the Philippines, Thailand, Singapore, and Vietnam. The course includes study of the impact of geography on the region's people and history. Offered fall semester of even years.

HIS 222  4 hours  Ancient History
An examination of ancient civilizations with special attention to twentieth century debts to the past.

HIS 223  3 hours  American Religious History
A study of the historical development in the United States of such movements as Puritanism, revivalism, the social gospel, Judaism, Catholicism, and variant forms of Protestantism. Offered fall semesters.

HIS 240  4 hours  European Religious History
A survey of the development of Christianity and Judaism in Europe from the Roman Empire to the contemporary era with special emphasis on the Middle Ages, Reformation, Age of Enlightenment, and the nineteenth and twentieth centuries. The impact of Islam and the more recent emergence of the religions of East and South Asia are also surveyed.

HIS 250  1 hour  The Contemporary World
A discussion class reviewing and evaluating the major world news events. Students are expected to read regularly a major news magazine and/or newspaper. May be repeated.

HIS 321  3 hours  The Modern Middle East
See POS 321.

HIS 323  3 hours  Women in American History
A survey of women in America from the colonial era to the present. Emphasis is placed on the historical experience of women in terms of perceptions, restrictions and resistance, and activities.

HIS 331  4 hours  Europe 1517-1789
Historical study of Europe from Luther to the Basque including the Ages of the Reformation, Absolutism, and the Enlightenment. Offered fall semester of odd years.

HIS 332  4 hours  Modern Europe 1789-Present
A study of Europe from the French Revolution to the creation of the European Community. Emphasis is placed on the political, social, economic, and intellectual aspects of this period. Prerequisite: HIS 100. Offered spring semesters.

HIS 341  3 hours  Colonial History
An investigation of the colonization of North America by the Spanish, French, Dutch, and English as well as European rivalries, colonial society, and the Revolutionary War. Prerequisite: HIS 120. Offered in alternate years.

HIS 342  4 hours  History of England
A study of English political, constitutional, cultural, and intellectual developments, the growth of the British Empire, and international relations.

HIS 351  4 hours  American Diplomatic History
A survey of the diplomatic relations of the United States from the period of the American Revolution to the present. Offered in alternate years.

HIS 352  3 hours  African-American History
A survey of African-American history from African origins through the modern civil rights movement.
Emphasis is placed on the oppression and resistance to oppression that characterize the African-American experience. Offered spring semesters.

HIS 360  
Independent Study  
1-4 hours

HIS 361  
Russian Civilization  
4 hours
A study of the development of the Russian nation, its people and culture from Varangian beginnings through czarist rule, and the Soviet Union to 1945. Emphasis is placed on certain periods and personalities including the Kievan era, Peter the Great, Catherine the Great, tsars of the nineteenth century, the 1917 Revolution, Lenin, and Stalin.

HIS 365  
Modern Russia  
3 hours
See POS 365. Prerequisite: HIS 361.

HIS 371  
Civil War Era  
3 hours
A study of the most dominant public issue in midnineteenth century America, namely the sectional conflict stemming from the issue of slavery. The course gives major emphasis to 1) the institutions, ideas, and events that led to the Civil War, 2) the war itself, and 3) the personality and leadership of the primary player in this drama, Abraham Lincoln.

HIS 372  
American Constitutional Development  
5 hours
See POS 372. Prerequisite: HIS 120.

HIS 391  
The World since 1945  
4 hours
An examination of key world events in Africa, Asia, Europe, Latin America, and the United States and Canada since World War II. The emphasis is on the political and economic development, though cultural and social aspects are also included.

HIS 392  
Twentieth Century U.S. History  
4 hours
A study of the political, military, economic, and cultural development of the nation during its rise to world prominence. Prerequisite: HIS 120. Offered spring semesters.

HIS 400  
Practicum  
1-4 hours

HIS 450  
Directed Research  
1-4 hours

**INTERNATIONAL STUDIES**

Program Director, Professor Winquist

The international studies program seeks to assist students in preparing for living and serving in the modern world. The focus of the international studies curriculum is upon the twentieth century world and the humane disciplines more than the technical and scientific ones.

 Majors from all disciplines who wish to develop a broad understanding of God's people throughout the world and are interested in careers in foreign service, humanitarian agencies, international law, overseas teaching, journalism and other mass media, translation, missions, and/or international business would clearly benefit from a major or minor in international studies.

The history department administers the interdisciplinary international studies program. Students interested in earning a bachelor of arts degree major or minor in this program should consult the program director.

The major requires completion of 39-42 hours in foundational courses, related field requirements, and a concentration area. In addition to two years of one foreign language, the foundation courses include IAS 130, HIS 100, POS 211, GEO 220. The second component consists of three courses from at least two related fields, which are not in the concentration area. The related field areas include advanced modern language—SPA 211 and 212, 312; FRE 221, 222; fine arts—ART 316, MUS 343; philosophy and religion—PHI 322, 323, REL 391; communications or English—CAS 340, ENG 373, 444; business and economics—BUA 375, ECO 211. The third component in the major is a minimum of 15 hours (not including courses chosen to meet the foundational courses or requirements from related fields) in any one of the following concentration areas:

African, Asian, and Latin American Studies: HIS 311, 312, 313, 315, 321, 391; a maximum of six hours from

Daystar University or the China Studies Program or Hong Kong Baptist University.


European Studies: HIS 240, 331, 332, 342, 361, 365, 391; a maximum of six hours from the Russian Studies Program or Lithuania Christian College or four hours from the Taylor Oxford Studies Program.

French Language and Literature: FRE 221, 222, 332, 342, 370; a maximum of 16 hours from the Academic Program in France.

Middle East Studies: HIS 321; a maximum of 12 hours from Jerusalem University College or the Middle East Studies Program.

Spanish Language and Literature: SPA 211, 212, 312, 321, 332, 342, 370, 422, 303, 333, 403, 433; a maximum of 16 hours from the Latin American Studies Program or the Semester in Spain Program.

World Literature: ENG 212, 233, 361, 371, 373, 444, 370; four hours from the Taylor Oxford Studies Program.

World Politics and Economics: Required courses include ECO 411 and 442, POS 212 or 301 and at least one history course from HIS 311, 312, 313, 315; POS 321, 365.

Other requirements are an interterm or semester international study experience, computer competency, and a senior paper.

The minor requires only the completion of the foundational courses and three courses from related fields.

See Interal area Studies for a course description of IAS 130, Introduction to International Studies.
HONORS PROGRAM

The Taylor University Honors Program is a challenging academic experience for high ability, highly motivated students. The Honors Program student may choose from all general offerings plus honors courses. Honors courses emphasize, to a greater extent than the curriculum in general, integration of faith and learning, ideas and values in content, and discussion and student initiative in format.

All Honors Program students who complete a minimum of 24 hours of Honors Program courses and maintain an overall gpa of 3.40 earn the Honors Program designation on their official university transcript.

Incoming students who are eligible must apply by June 1 prior to their freshman year, and Taylor students may apply at any time after their first semester or during their sophomore year. Those students with tightly scheduled majors will want to enter the program as early as possible in order to enroll primarily in honors courses that substitute for general education requirements rather than in those serving only as electives.

Normally, an entering freshman wishing to begin the program should have earned a 3.70 high school grade point average. Those applying after completing a semester at Taylor should have demonstrated an ability to perform college work at the Honors Program level (3.40 gpa). Further information, including application procedures, may be obtained by contacting the director of the honors program.

SUMMER HONORS PROGRAM

The Taylor University Summer Honors Program is designed to introduce students to the benefits of higher education in a distinctively Christian, liberal arts setting. Each summer, the program invites gifted high school juniors and seniors from across the nation and the world to a unique five-week experience. The tuition-free program is extended to a limited number (approximately 40) of outstanding students and offers several general education course options yielding college credit when students enroll in the university’s four-year program.

HONOR SOCIETIES

Each year, Taylor students who excel in academic pursuits are inducted into the various honor societies for specific disciplines. Appropriate ceremonies are held to give campus-wide recognition to students whose academic record earns induction into a national academic honorary society.

Chi Alpha Omega is a campus-wide scholastic honor society, election is limited to not more than 10% of the seniors and 5% of the juniors. Chi Alpha Omega members are eligible to join the national scholastic honor society, Alpha Chi.

Alpha Psi Omega is a national honorary dramatic fraternity organized for the purpose of providing an honor society and wider fellowship for those doing a high standard of work in dramatics.

Beta Alpha Epsilon is a university honor society rewarding scholastic attainment to students who are candidates for any baccalaureate degree within the business, accounting, and economics department. Candidates for membership should be of good character as verified by Student Development and the business, accounting, and economics department faculty; have completed at least 32 hours of course work at Taylor University; have achieved a cumulative gpa of at least 3.50 with at least 75 credit hours or 3.60 with at least 60 credit hours; and completed 12 in-class business, accounting, and economics hours.

Chi Alpha Sigma is a National College Athlete Honor Society recognizing student-athletes who are of junior and senior status and have earned cumulative grade point averages of 3.40 or above. They must also meet character and citizenship standards established by the National Council. The mission of Chi Alpha Sigma is to bring honor and recognition to deserving student-athletes, their families, teams, athletic departments, and colleges.

Kappa Delta Pi is an international honor society in education. Candidates for membership should exhibit worthy educational ideals, have leadership potential, demonstrate a commitment to education, and manifest desirable personal qualities. A gpa of 3.20 or higher is required.

Pi Delta Phi, the national French honor society, recognizes outstanding scholarship in the French language and its literature, increases the knowledge and appreciation of Americans for the cultural contributions of the French-speaking world, and stimulates and encourages French cultural activities. Students are selected for membership in recognition of their achievement in at least one upper-division French literature course.

Sigma Tau Delta is an English honor society open to English majors whose major gpa’s are 3.30 or higher.
HUMANITIES

Humanities courses carry an interdisciplinary focus and are directly related to more than one single department or academic field. These courses include curricular offerings in visual arts, theatre arts, and music.

Humanities Courses

HUM 230 4 hours
Art as Experience
Lecture sessions focus upon works from several art forms with the goal of developing students' perceptual skills. A major focus of this course is experiencing art. Written critiques on selected events are part of the course curriculum. The interterm version of this course requires permission of instructor.

HUM 250 1 hour
Participation in the Arts
ART, CAT, or MUS participation to fulfill the participation in the arts requirement. Nonmusic majors may also take an ensemble or private lesson to fulfill this requirement. Credit only.

HUM 250 1 hour
Folk Dances
An introduction to folk songs and dances of various cultures. Students sing folk songs and dance indigenous dances while learning about diverse cultures. This course satisfies participation in the arts (credit only) or one physical education skills course requirement (grade only). Offered fall semesters and interterms.

HUM 330 4 hours
Arts and Ideas
In four hours of lecture/discussion per week the evolution of western art through selected historical periods and places is traced. The emphasis is heavily historical, stressing learning about the artistic heritage and its context as well as experiencing art. The course is open to students of all majors but is particularly appropriate for literature, fine arts, history, and philosophy majors.
INTERAREA STUDIES

Interarea courses are general in scope and exist apart from any single department.

**Interarea Courses**

**IAS 101 1 hour**
**New Student Orientation**
An introduction to the Christian higher education philosophy of Taylor University by word and practice. This course includes small groups discussing study skills, personal growth and development, and academic advising. Also included is the working through of practical problems of adjustment to the Taylor community in the areas of behavioral standards, time management, interpersonal relationships, career planning, and spiritual growth. Required of transfer students with 11 or fewer hours and all first-time freshmen. Credit only.

**IAS 104 1-3 hours**
**Computer Competency—Departmental Component**
Computer applications in the field of study. Addresses specific competencies useful in the discipline including Internet activity and programs for the personal computer. Departments have various methods of including this requirement in their curricula.

**IAS 110 3 hours**
**Foundations of Christian Thought**
An introduction to the liberal arts and the integration of faith and learning. In addition to large group lectures, the course includes small group discussion sessions led by faculty and staff. The discussion sessions further develop the themes for the course. The primary thrust is to use the central theme of human nature to introduce the student to basic areas of understanding that undergird the intellectual growth process at Taylor. Required of all students. Offered fall semesters.

**IAS 111 2 hours**
**God, Humanity, and Knowledge (Honors)**
An interdisciplinary introduction to the liberal arts and the integration of faith and learning. Through lectures, readings, films, and discussion, the course intentionally seeks to challenge students to be broader in perspective and appreciation and more confident in the development of a meaningful belief system. For students enrolled in the Summer Honors Program; fulfills IAS 110 requirement. Offered summers only.

**IAS 120 1 hour**
**Introduction to International Ministry**
An overview of cross-cultural mission, of American cultural distinctives, and of host nations' cultural distinctives is presented. The class is offered each fall in preparation for participating in cross-cultural ministry during January interterm. Grade only.

**IAS 130 3 hours**
**Introduction of International Studies**
The course introduces international studies majors to cross cultural issues, international current events, computer competency in the field, and international career opportunities.

**IAS 210 2 hours**
**Medical Terminology**
This course is designed to assist students in learning medical terminology as well as to provide instruction in word-building skills so that words can be identified by their word parts. It provides a solid vocabulary foundation for those individuals who anticipate taking the MCAT or NATA-BOC exams.

**IAS 220 1-4 hours**
**Honors**
Special seminars available to students in the Honors Program and others by permission of the instructor.

**IAS 230 1-2 hours**
**Issues in Science and Religion**
An interdisciplinary examination of key issues underlying the relationship of science and Christianity, focusing on issues concerning creation, the fall, the flood, and the world in which we live today. The course will be a focus on general scientific concepts and theological principles involved in the integration of faith and learning. Fulfills elective credit toward the 128-hour degree requirement or one elective credit in either physics or religion.

**IAS 252 1 hour**
**Developmental Processes in Leadership**
Designed to provide theoretical foundations and experiential opportunities structured toward personal growth and organizational effectiveness. Strongly recommended for all students interested in on-campus leadership positions. Offered spring semesters.

**IAS 320 3 hours**
**Cross-Cultural Outreach**
IAS 120 or permission of the instructor is required for this month-long experience of ministry that meets the general education cross-cultural requirement. Additional practicums may be selected in philosophy/religion, Christian education, social work, elementary education, or music during the field experience. Offered interterms.

**IAS 330 3 hours**
**Human Relations in Organizations**
The study of human relationships in organizations as they pertain to management theories, processes, and organizational systems and structures. Vertical, lateral, and diagonal relationships and planning techniques and strategies as well as techniques of systems intervention and problem solving are studied. Fulfills general education social science requirement. Offered spring semesters.

**IAS 352 1 hour**
**Student Development Seminar**
Designed to provide instruction and study in topics relevant to specific student leadership positions on campus. Prerequisite: IAS 252 and/or permission of instructor. Offered spring semesters.

**IAS 360 1-4 hours**
**Honors-Independent Study**
Enrollment in this experience is restricted to students in the Honors Program.

**IAS 492 1-4 hours**
**Integrative Seminar**
An interdepartmental, interdisciplinary seminar of an integrative nature utilizing readings and other media to communicate ideas. Prerequisite: Permission of the instructor.

**IAS 493 4 hours**
**Senior Seminar**
Integrates the central purposes of general education with the major area of study. Seniors meet together initially to study broad interdisciplinary issues relating to the development of a Christian worldview and Christian stewardship. Students then meet in departments to integrate Christian philosophical concerns with departmental concerns. Offered interterms.
LEARNING SUPPORT CENTER

Associate Professors Manor, P. Kirkpatrick, Welch; Instructor Davenport

The Learning Support Center (LSC) is housed in the southwest wing of the Zondervan Library. In keeping with Taylor University’s mission statement, the Learning Support Center serves as a compassionate outreach to all students by providing academic study support so that all students may reach their academic potential.

Learning Support Center services include academic skills courses, study counseling, tutoring, disabled student services, Writing Center, Math Center, academic support for student athletes, academic support for students on academic probation, and academic support for provisionally accepted students. The Learning Support Center in coordination with the Testing Office offers academic support for students who are unable to meet proficiencies required by the university, including the listening proficiency of the teacher education program and the math, reading, and writing proficiencies of the general education program.

The learning assistance services and programs in support of the Taylor University mission statement collaborate to assist and encourage all students to become active and independent learners. The specific goals of the LSC are to

- make students the central focus of the program,
- assist members of the campus community in achieving their personal potential for learning,
- provide instruction and services that address the cognitive, affective, and sociocultural dimensions of learning,
- introduce students to the expectations of faculty and the culture of higher education,
- help students develop positive attitudes towards learning and confidence in their ability to learn,
- provide a variety of instructional approaches that are appropriate for the level of skills and learning styles of the student population,
- assist students in transferring previously learned skills and strategies to their academic work,
- provide services and resources to faculty, staff, and administrators that enhance and support classroom instruction and professional development,
- support the academic standard and requirements of the institution.

The Learning Support Center offers courses intended to assist students in learning effective time management, efficient reading techniques, meaningful notetaking strategies, excellent study models for test preparation and taking, and math knowledge for college success. Courses are provided to help students meet the math and reading proficiency levels as outlined in the degree requirements for the university.

**Learning Support Center Courses**

**IAS 180/280 1 hour**  
Applied Learning Techniques-Verbal  
Emphasizes techniques for the improvement of study skills, listening and notetaking, reading, and comprehension. The course meets two hours a week with the third hour reserved for extra assignments. Work is completed in a lab setting and may be repeated one time only. Pass-fail only.

**IAS 185/285 1 hour**  
Applied Learning Techniques-Math  
Emphasizes techniques for the improvement of math study skills, listening and notetaking, and mathematics skills. The course meets two hours a week with a third hour reserved for makeup or extra assignments. May be repeated one time only. Pass-fail only.

**IAS 440 1 hour**  
Advanced Test Preparation  
Individualized instruction and review of materials of both quantitative and verbal in preparation for passing exams such as the GRE, LSAT, GMAT, LSAT, and MCAT. Meets twice a week for seven weeks. Pass-fail only.

**LIBERAL ARTS PROGRAM**

The associate of arts degree in the liberal arts is offered for students who desire a two-year program that emphasizes a breadth of knowledge. It is not to be taken with or awarded with any of the three baccalaureate degrees.

A 43-hour core of courses from a variety of academic disciplines is combined with 14 hours from the student’s choice of concentration area and seven elective hours to total 64 credit hours. Core requirements include BIB 110, 210; ENG 110; HUM 230; IAS 101, 110; PHP 100, 200 (one hour); REL 313; one communications course from CAS 110, 120, 201; COS 104 or 106; one literature course from ENG 230, 240, 250; one science course; one history course; one social science course; and one cross-cultural course. The area of concentration (or a combination of related areas if sufficient offerings are not available in one selected field of study) excludes existing associate degree programs (business administration, management information systems, and early childhood education) and must be approved by the director of general education.

**MANAGEMENT INFORMATION SYSTEMS**

See Computing and System Sciences.
MATHEMATICS

Chair, Associate Professor Case; Professors Klinger, Neuhaus; Associate Professors Benbow, Colgan; Assistant Professor DeLong

The major purposes of the mathematics department are to help students increase their knowledge and understanding of mathematical concepts, develop their reasoning ability and problem-solving skills, and improve their ability to apply mathematics in a variety of areas. The department prepares students to become teachers of mathematics; to enter careers in business, industry, and government; and to pursue graduate study in mathematics and related areas.

The student expecting to major in mathematics should have at least three years of high school mathematics, including two years of high school algebra, some geometry, and trigonometry. In the freshman year, students planning to major in mathematics and those preparing for scientific work, including engineering, should be qualified to begin with MAT 151.

The department offers five majors in mathematics: mathematics with a concentration in computer science, mathematics-environmental science, mathematics education, and mathematics science education. The bachelor of arts degree is available in all five majors and requires two years of one foreign language. The bachelor of science degree is available for majors in math education, math science education, and mathematics-environmental science. The bachelor of science degree must be combined with curriculum requirements in systems analysis for majors in mathematics and mathematics with a concentration in computer science.

Each year the mathematics department offers at least four sanctioned events such as special lectures or colloquia. All majors are required to attend a total of at least 10 sanctioned events before taking the IAS 493 course.

Mathematics

The bachelor of arts degree with a major in mathematics requires two years of one foreign language and a minimum of 45 hours including MAT 151, 230, 240, 250, 340, 352, 361, 392, 412, 461, three hours of MAT electives. Also required, but not counted in the major grade point average, is one course in chemistry or physics from CHE 201 or 211, PHY 211 and 211L, or PHY 212 and 212L.

A mathematics minor requires a minimum of 23 hours including MAT 151, 230, and 15 MAT elective hours. Mathematics courses beginning with MAT 151 or higher may count toward a minor. NAS 240 may also count toward a minor. MAT 201, 202, and PHY 341 may not count in the minor.

Mathematics/Systems

The bachelor of science degree in mathematics/systems requires a minimum of 44 hours in the major including MAT 151, 230, 250, 340, 352, 361 or 412, 392, 393 (3-4 hours), and four to five hours of MAT electives. Also required, but not counted in the major grade point average, is one course in chemistry or physics from CHE 201 or 211, PHY 211 and 211L, or PHY 212 and 212L. Curriculum requirements in systems analysis include COS 120, 250; IAS 330; MAT 151, 352, 382, 393 (3-4 hours); SYS 200, 390, 392, 401, or 402; six additional systems elective hours from COS 310, COS 320, COS 382, MAT 372, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a C- or better.

Mathematics/Computer Science Concentration

The bachelor of arts degree with a major in mathematics and a concentration in computer science required two years of one foreign language and a minimum of 61 hours including MAT 151, 230, 240, 250, 340, 352, 361 or 412, 372, 392, three hours of MAT electives; COS 120, 250, 264 or 312, 381, 382, SYS 402. Also required, but not counted in the major grade point average, is one course in chemistry or physics from CHE 201 or 211, PHY 211 and 211L, or PHY 212 and 212L.

Mathematics/Systems/Computer Science Concentration

The bachelor of science degree with a major in mathematics/systems and a concentration in computer science requires a minimum of 64 hours including MAT 151, 230, 240, 250, 340, 352, 361 or 412, 372, 382, 392, 393 (3-4 hours); COS 120, 250, 264 or 312, 381, 382, SYS 402. Also required, but not counted in the major grade point average, is one course in chemistry or physics from CHE 201 or 211, PHY 211 and 211L, or PHY 212 and 212L.

Curriculum requirements in systems analysis include COS 120, 250; IAS 330; MAT 151, 352, 382, 393 (3-4 hours); SYS 200, 390, 392, 401; six additional systems elective hours from COS 310, COS 320, MAT 412 (if not used in the major), MAT 431, SYS 210, SYS 394. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a C- or better.

Mathematics-Environmental Science

The bachelor of science degree with this integrated major in mathematics-environmental science requires a minimum of 73 hours including:


Environmental Science (23 hours): BIO 204, ENS 231, 383, 402, and 8 elective hours from ENS 340, ENS 351, BIO 380.

Required Electives (9-11 hours): ECO 190 or 211, POS 312 or 331, and MAT 393 (2-4 hours).

Also required, but not counted in the major grade point average, is one course in chemistry or physics from CHE 201 or 211, PHY 211 and 211L, or PHY 212 and 212L.

Mathematics Education

Either baccalaureate degree with a major in mathematics education requires 43 hours including MAT 151, 230, 240, 250, 312, 340, 352, 361 or 412, 392, IAS 493; one course from COS 120, MAT 320, MAT 330, MAT 370, MAT 372, MAT 431, PHY 341; and MAT electives to total 43. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required. Detailed curriculum
guides are available from the education department.

A mathematics education minor may be earned by students to supplement another secondary teaching major. The minor requires 28 hours including MAT 151, 230, 240, 250, 352, 312, and 361 or 412.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Mathematics Courses

MAT 100  1 hour
Mathematics Fundamentals
A study of the basic arithmetic operations, exponents, ratios, linear and quadratic equations, graphs, and story problems. This course is specifically designed to assist those students who need help for the mathematics proficiency examination. May be taken pass-fail only. Does not count toward a mathematics major or minor.

MAT 110  3 hours
Finite Mathematics
A study of selected topics from set theory, matrices, systems of linear equations and inequalities, linear programming, counting and probability, statistics, and mathematics of finance. Prerequisite: A good understanding of algebra. Does not count toward a mathematics major or minor.

MAT 130  4 hours
Algebra and Trigonometry
Topics from algebra and trigonometry including equations, identities, graphs, and algebraic, exponential, logarithmic, and trigonometric functions. Does not count toward a mathematics major or minor. Offered fall semesters.

MAT 140  3 hours
Fundamental Calculus for Applications
An introductory study of derivatives, series, and integrals with a wide range of applications including maximum and minimum problems. Prerequisite: A good understanding of algebra. Does not count toward a mathematics major or minor.

MAT 151  4 hours
Calculus with Analytic Geometry I
A study of functions, including algebraic and trigonometric functions. An introduction to the algebraic, numerical, and graphical approaches to calculus including limits, continuity, derivatives, integrals, and applications. Prerequisite: MAT 151 or equivalent. Offered spring semesters.

MAT 201  5 hours
Mathematics for Elementary Teachers I
First of a two-course integrated content-methods sequence for elementary teacher preparation, this course is a study of the number system through the real numbers with special reference to teaching aids, lab methods, pedagogy, and appropriate technology. Each student is encouraged to team with a student of MAT 202 in a teaching team in the Taylor-Eastbrook Mathematics Project (TEMP). Does not count towards a mathematics major or minor. Open to majors in early childhood and elementary education.

MAT 202  5 hours
Mathematics for Elementary Teachers II
The second of a two-course integrated content-methods sequence for elementary teacher preparation with emphasis on geometry, problem-solving, and small-group projects. Each student is responsible each week for a mathematics class in local schools, grades K-6 (TEMP). Does not count toward a mathematics major or minor. Open to majors in early childhood and elementary education.

MAT 220  4 hours
Ways of Knowing
Topics studied include number, logic, Euclidean and non-Euclidean geometry, algebraic structures, dimension, and infinity. A study is made of the deductive method in mathematics and its relationship to ways of knowing in other areas. There is an emphasis on the beauty of mathematics and the relationship of mathematics to science and other forms of culture including the arts and religion. This course is offered within the honors program. Offered fall semesters.

MAT 230  4 hours
Calculus with Analytic Geometry II
A study of analytic geometry, functions, limits and derivatives, differentiation and integration of algebraic functions and elementary transcendental functions, applications of the derivative, the definite integral, sequences, series, Taylor's formula, and special techniques of integration. Prerequisite: MAT 151 or equivalent. Offered spring semesters.

MAT 240  4 hours
Calculus with Analytic Geometry III
A study of parametric equations, polar coordinates, vectors, three-dimensional geometry, partial derivatives, multiple integration, and vector analysis. Prerequisite: MAT 230 or equivalent. Offered fall semesters.
MAT 250 4 hours
Transitional Mathematics
An introduction to abstract and linear algebra and to analysis. A study of the mathematical structure of matrices with applications, symbolic logic, Boolean algebra, groups, rings, and fields. Specific examples of the various algebras are studied rather than an extensive theoretical development. Also, types of proof including mathematic induction and epsilon-delta proofs of limits are introduced. Offered fall semesters.

MAT 261, 262 1 hour each
Special Problems
Selected topics in mathematics. Prerequisite: Consent of the department chair.

MAT 312 4 hours
College Geometry
Advanced Euclidean plane geometry with a brief survey of some of the non-Euclidean geometries and vector and transformational geometry. Prerequisites: MAT 230 and 250. Offered spring semester of odd years.

MAT 320 4 hours
Discrete Mathematics
A study of logic, counting, set theory, mathematical induction, relations and functions, algorithms, combinatorics, and graph theory. Corequisite: MAT 250. Offered fall semester of odd years.

MAT 330 3 hours
Graphing Calculator in Mathematics
A study of the use of the graphing calculator in mathematics. The graphing calculator is used to explore concepts in precalculus mathematics, business mathematics, probability and statistics, calculus, and linear algebra. Prerequisite: MAT 250.

MAT 340 4 hours
Advanced Calculus
An introduction to a rigorous development of the fundamental concepts of calculus. The real number system, sequences, series, limits, differentiation, and integration are developed rigorously. Prerequisites: MAT 240 and 250. Offered spring semester of even years.

MAT 352 4 hours
Mathematical Statistics
A theoretical, as well as applied, study of counting outcomes, probability, probability distributions, sampling distributions, confidence intervals, tests of hypotheses, linear regression, and correlation. Corequisite: MAT 240. Offered fall semesters.

MAT 360 1-4 hours
Independent Study

MAT 361 4 hours
Abstract Algebra
Emphasis on set theory, development of the postulates of group theory, rings, integral domains, and fields. Prerequisite: MAT 250. Offered spring semester of odd years.

MAT 370 4 hours
Selected Topics
MAT 372 4 hours
Numerical Analysis
Introduction to iterative and other algebraic processes, propagation of error, solution of transcendental and polynomial equations, numerical integration and differentiation, linear algebra, curve fitting, and numerical solution of differential equations are studied. Prerequisite: COS 120, MAT 240. Offered fall semester of even years.

MAT 382 3 hours
Advanced Statistics
A study of regression analysis including multiple and nonlinear regression; correlation analysis, including multiple and partial correlation; analysis of variance; and nonparametric statistics. This course also includes selected topics from calculus and matrix theory required for the study of these topics. Prerequisite: MAT 352 or NAS 240; MAT 151.

MAT 392 1 hour
Mathematics Seminar
Each student in the seminar researches a mathematical topic and makes a presentation to the entire group. Prerequisite: MAT 240. Offered fall semesters.

MAT 393 4 hours
Practicum

MAT 412 4 hours
Linear Algebra
A course on matrix theory, linear equations and linear dependence, vector spaces and linear transformations, characteristic equation, quadratic forms, and the singular value decomposition. Prerequisite: MAT 250. Offered spring semester of odd years.

MAT 431 4 hours
Differential Equations
A course on the solution of differential equations of the first order and first degree, linear differential equations with constant coefficients, nonhomogeneous equations by undetermined coefficients and variation of parameters, and an introduction to series solutions. Numerical methods and qualitative analysis are also used. Differential equations are used to model physical problems including vibration problems and electrical circuits. Prerequisite: MAT 240. Offered spring semesters.

MAT 461 4 hours
Real Analysis
An advanced study of the real number system, topology, functions, sequences, limits, continuity, and the theory of differentiation and integration. Prerequisite: MAT 340. Offered spring semester of odd years.

IAS 493 4 hours
Senior Seminar
MODERN LANGUAGES

Chair, Associate Professor J. Loy; Professors Barrick, Dixon; Associate Professor E. Messer; Assistant Professor Koch

The knowledge of a foreign language is integral to the education of students who will assume responsible roles as citizens of an increasingly interdependent world. The department provides a variety of courses and programs to meet this challenge.

In addition to offering courses in French, German, and Spanish to meet the two-year language requirement for the bachelor of arts degree, the department offers a teaching and nonteaching major and minor in French or Spanish.

Majors may be required to take courses abroad in order to complete the departmental requirements. Other students may choose to study abroad for their own benefit or to complete the language requirement. In all cases the department must approve the study abroad courses in advance.

French

The bachelor of arts degree with a major in French requires a minimum of 30 hours above elementary including FRE 201, 202; one four-hour course from FRE 221 or 342; one four-hour course from FRE 222 or IAS 493; one four-hour course from FRE 312, 322, or 332; electives from FRE 360, 370, or 393; and any additional courses not applied above to fulfill the 30-hour requirement. IAS 104 (1 hour) is required to fulfill the departmental computer competency requirement. Credit for FRE 201 and 202 may be earned through the testing for credit program that should be completed by the end of the sophomore year. An approved experience abroad may fulfill a portion of the 30-hour requirement.

French Education

Either baccalaureate degree with a major in French education leads toward certification to teach French in the secondary school. A total of 40 hours is required including FRE 201, 202, 221, 342; eight hours from FRE 312 or 322 and 332; eight hours from FRE 222 and IAS 493; and electives from FRE 312, 322, 360, 370, and 393 to fulfill the 40-hour requirement. IAS 104 (1 hour) is required to fulfill the departmental computer competency requirement. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. In addition, ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

The French education minor requires 24 hours including 10-14 hours from FRE 201, 202, 221, 342, 360, 370, and 393; eight hours from FRE 312 or 322 and 332; four to eight hours from FRE 222, 360, and 393. For either the French education major or minor, credit may be earned through the Study in France program. Credit will be assigned in specific areas upon satisfactory completion of the study abroad experience.

Spanish

The bachelor of arts degree with a major in Spanish requires a minimum of 30 hours above elementary including SPA 201, 202, or SPA 203; SPA 211 or 212; one to three hours from SPA 303, 312, 342, 403; and three to four hours from SPA 332, 312, 433; IAS 493; one hour from SPA 313, 323, 331, 332, 421, 422, and electives from SPA 360, 370, 393; and any course not applied above to fulfill the 30-hour requirement. IAS 104 (1 hour) is required to fulfill the departmental computer competency requirement. Credit for SPA 201 and 202 may be earned through the testing for credit program that should be completed by the end of the sophomore year. An approved experience abroad may fulfill a portion of the 30-hour requirement.

The minor in Spanish requires a minimum of 17 hours above elementary and must include a three- or four-hour course at the 300/400 level from among those listed in the catalog. Course requirements may be selected from SPA 201, 202, or 203, 211, 212, 303, 312, 342, 403, 333, 312, 433, 313, 323, 331, 332, 421, 422, 360, 370, and 393. Credit for SPA 201 and 202 may be earned through the testing for credit program that should be completed by the end of the sophomore year. An approved experience abroad may fulfill a portion of the 17-hour requirement.
## Spanish Education
Either baccalaureate degree with a major in Spanish education leads toward certification to teach Spanish in the secondary school. A total of 40 hours is required including eight hours from SPA 201 and 202 or SPA 203, SPA 211 or SPA 212; two to three hours from SPA 342, 303, 321, 403; eight hours from SPA 331, 332, 313, 323, 421, 422; six to eight hours from SPA 333, 433, 312, 393; IAS 493; and electives from any course not applied above to fulfill the 40-hour requirement. IAS 104 (1 hour) is required to fulfill the departmental computer competency requirement. Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

The Spanish education minor requires 24 hours including SPA 201 and 202 or 203, SPA 211 or 212; one two- to three-hour course from SPA 303, 403, 321, 342; eight hours from SPA 331, 332, 313, 323, 421, 422; six hours from SPA 333, 360, 312, 393, 433.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

For either the Spanish education major or minor, credit may be earned through Study in Spain or the Latin American Studies programs. Credit will be assigned in specific areas upon satisfactory completion of the study abroad experience.

### French Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 101, 102</td>
<td>4 hours</td>
<td>Elementary French</td>
<td>Stresses reading and the use of spoken language including the essentials of grammar and offers an introduction to French culture. Includes coordinated lab activities. FRE 101 is prerequisite to FRE 102.</td>
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</tr>
<tr>
<td>FRE 201, 202</td>
<td>3 hours</td>
<td>Intermediate French</td>
<td>Continues and builds upon the approach of FRE 101 and 102 through grammar review and intensive reading. Language lab activities are provided to promote oral communication. FRE 201 is prerequisite to FRE 202.</td>
<td></td>
</tr>
<tr>
<td>FRE 221</td>
<td>4 hours</td>
<td>French Conversation</td>
<td>Emphasizes the development of facility in oral and written communication in French. Includes lab activities. Prerequisite: FRE 202 or equivalent. Offered fall semester of each year.</td>
<td>FRE 201, FRE 222, or instructor's permission is prerequisite to upper division courses.</td>
</tr>
<tr>
<td>FRE 300</td>
<td>12-18 hours</td>
<td>Study in France</td>
<td>A language study experience for students participating in Taylor University's consortium agreement with Bowling Green State University's Academic Program in France. Course content varies depending upon the student's level of proficiency in French. Applicability to a major or minor other than French must be determined in advance by a petition submitted to the department.</td>
<td>FRE 312, FRE 322, FRE 332, and FRE 342 are offered in rotation dependent upon student need and demand.</td>
</tr>
<tr>
<td>FRE 312</td>
<td>4 hours</td>
<td>Classicism</td>
<td>A survey of French classical literature with emphasis on the dramas of Corneille, Racine, and Moliere.</td>
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<tr>
<td>FRE 322</td>
<td>4 hours</td>
<td>Rationalism and Romanticism</td>
<td>Consideration of selected works from these periods in French literature.</td>
<td></td>
</tr>
<tr>
<td>FRE 332</td>
<td>4 hours</td>
<td>Realism, Symbolism, and Existentialism</td>
<td>Study of representative works from each of these periods in the literature of France.</td>
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</tr>
<tr>
<td>FRE 342</td>
<td>4 hours</td>
<td>French Linguistics</td>
<td>Examination of the phonology of the French language, its word and sentence structure. Includes a study of contrasts between French and English.</td>
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### German Courses

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<thead>
<tr>
<th>Course</th>
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<th>Description</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 101, 102</td>
<td>4 hours</td>
<td>Elementary German</td>
<td>Pronunciation and the essentials of grammar. Oral expression is developed through language lab activities. GER 101 is prerequisite to GER 102.</td>
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</tr>
<tr>
<td>GER 201, 202</td>
<td>3 hours</td>
<td>Intermediate German</td>
<td>Intensive reading and grammar review. Lab activities and independent prose reading are involved each term. GER 201 is prerequisite to GER 202.</td>
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</tbody>
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### Spanish Courses

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<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 101, 102</td>
<td>4 hours</td>
<td>Elementary Spanish</td>
<td>The skills of listening, speaking, reading, and writing are taught in the context of daily happenings in the Spanish-speaking world. The essentials of grammar are studied. Lab activities are provided. SPA 101 is prerequisite to SPA 102.</td>
<td></td>
</tr>
<tr>
<td>SPA 201, 202</td>
<td>3 hours</td>
<td>Intermediate Spanish</td>
<td>Emphasis is placed on the conversational approach with additional reading and writing. SPA 201 is prerequisite to SPA 202.</td>
<td></td>
</tr>
<tr>
<td>SPA 211</td>
<td>2 hours</td>
<td>Communication in Spanish</td>
<td>A promotion of oral proficiency and communicative competence. The course emphasizes daily happenings in the Spanish-speaking world. Prerequisite: SPA 202 or equivalent.</td>
<td></td>
</tr>
<tr>
<td>SPA 212</td>
<td>2 hours</td>
<td>Conversational Perspectives in Spanish</td>
<td>An exploration of the diverse contemporary usage of spoken Spanish within the twenty republics of Hispanic culture. This class is conducted in everyday Spanish. Prerequisite: SPA 202 or equivalent.</td>
<td>SPA 211, SPA 212, or instructor's permission is prerequisite to upper division courses.</td>
</tr>
</tbody>
</table>
SPA 300 12-17 hours
Study in Spain
A language study experience for students participating in Taylor University's consortium agreement with Trinity Christian College's Semester in Spain program. Course content varies according to the student's level of proficiency in Spanish. Applicability to a major or minor other than Spanish must be determined in advance by a petition submitted to the department.

SPA 312 3 hours
Culture and Civilization of Spain
A survey of the people, culture, and customs of Spain through lectures, readings, discussions, and multimedia. Offered spring semester of even years.

SPA 321 3 hours
The Art of Writing Spanish
An advanced workshop experience in the writing of Spanish. Includes a review of grammar and mechanics and practice in several expository modes including a formal research paper. Offered fall semester of odd years.

SPA 331 4 hours
Introductory Spanish American Literature
A study of representative New World Spanish literature to 1880. Selections from the conquest, colonial, and romantic periods are discussed. Historical and cultural perspectives are provided. Offered fall semester of odd years.

SPA 332 4 hours
Contemporary Spanish American Literature
Post-romantic readings of Spanish America dating from 1880 to the present day. Selections are for critical analysis and interpretation as well as enjoyment. Offered spring semester of even years.

SPA 342 3 hours
Spanish Phonology
An examination of the formation of speech sounds in the Spanish language and the application of phonetics and phonemics to understanding and speaking Spanish. Also includes a study of dialectal differences of American and Peninsular Spanish. Offered spring semester of odd years.

SPA 360 1-4 hours
Independent Study
SPA 370 1-4 hours
Selected Topics
SPA 393 1-4 hours
Practicum

SPA 421 4 hours
Spanish Medieval and Renaissance Literature
A study of Peninsular Spanish literature from its origin to 1700, the course includes selections from "El Cid“ to "Calderón." Historical, political, and cultural perspectives are considered. Offered fall semester of even years.

SPA 422 4 hours
Spanish Literature from 1700-present
A study of selected readings from the neoclassic, regional, romantic, and other periods of Spanish literature extending to the present. Social and political perspectives are considered. Offered spring semester of odd years.

IAS 493 4 hours
Senior Seminar

Spanish Abroad Courses

SPA 203 6 hours
Applied Aural-Oral Spanish
An intensive conversation dialogue sessions with introduction to reading and grammar review. SPA 203 is the equivalent of SPA 201 and SPA 202. Prerequisites: SPA 102 and permission of instructor.

SPA 303 2 hours
Advanced Composition and Conversation II
Theme writing in conversational style, letter writing, and use of idiomatic Spanish.

SPA 313 2 hours
Latin American Literature Survey I
Selections of New World Spanish Literature before 1880 are read and studied.

SPA 323 2 hours
Latin American Literature Survey II
The most outstanding Hispanic American authors since 1880 and selections of their works are studied in a survey manner.

SPA 333 2 hours
Síntesis de la Cultura Latinoamericana I
Consideration of contemporary issues and events in Latin America from a variety of media, including newspapers and magazines. May be taken twice.

SPA 403 2 hours
Advanced Composition and Conversation III
Special advanced guidance is given in oral and written compositions for students having completed Spanish 303.

SPA 433 2 hours
Síntesis de la Cultura Latinoamericana II
A survey of the history, societies, peoples, politics, geography and culture of Latin America.
MUSIC

Chair, Professor Harrison; Professors B. Dickey, Parker, Shulze; Associate Professor D. Collins, Assistant Professors Harshenin, Rediger, Robertson

It is essential that the Christian musician consider the relationship of music to Christian higher education. Briefly, the Christian college has, as its primary task, the guidance of the student in a search for values. The Christian scholar in the arts is especially equipped to handle this task in a time when the arts are threatened by the superficiality of a "throw-away" culture. The Christian scholar is a representative, both of a well-founded, in-depth discipline (in this case, music) and of a value system (the Christian one) that seeks to counteract the trend toward a meaningless, disintegrated society. It is the Christian musician's responsibility to (1) understand and communicate the concept of creative, original expression, thus reflecting the role of God as Creator, (2) develop skills necessary to evaluate and determine high standards and quality in formal content, (3) guide in the discovery and preservation of truth in message content.

Taylor University makes music an integral part of the overall program serving the needs of the liberal arts student within the context of Christian higher education. For the music major, the department provides the bachelor of arts degree, bachelor of science degree, and bachelor of music degree programs. A Handbook for Music Majors outlining all areas of concentration, is available from the music department.

The music department also provides (1) music minors with emphases in elementary music education, church music, keyboard pedagogy, and applied music; (2) numerous ensemble opportunities open to all students; (3) private lessons on all instruments; (4) concerts, faculty recitals, student recitals, and other cultural opportunities.

The music department is accredited by the National Association of the Schools of Music (NASM).

General Information for Music Majors

All prospective music majors must audition as part of the admissions process. Specific guidelines for auditions may be obtained by contacting the music department.

Music majors may receive instructional experience through the Center for Musical Development (CMD), practicums in the public schools, and student teaching experiences in two public school settings.

The utilization of modern technology is incorporated in some music courses through computer-assisted instruction (using Macintosh computers), electronic piano lab, music synthesizers, and various software packages.

All music majors are required to attend performance classes, student and faculty recitals, concerts, and artists series events. Bachelor of music in music education majors attend a minimum of 84 concerts during their academic tenure; all other music majors attend a minimum of 96 concerts.

At the end of each term, an examining committee hears each music major on his/her major instrument.

Each music major gives a junior proficiency recital—20 minutes in length for bachelor of music candidates and 15 minutes in length for all others including music education candidates. This recital is presented at the end of a student's sophomore year, or fourth term, in his/her applied area before the music faculty only and determines whether a student is to be admitted to the upper-division level.

All music majors perform in performance class recitals twice per term. The instructor determines public recital performance. Bachelor of music students are required to give a full graduation recital in their senior year, and all others, including music education majors, are required to give at least a half recital in their senior year.

Music majors are required to participate in an ensemble each term while on campus with a minimum of two years in the chorale, symphonic band, or chamber orchestra. Keyboard and composition majors are placed in the ensemble program in accordance with their abilities, interests, and ensemble needs.
Music

The bachelor of arts degree with a major in music requires completion of two years of one foreign language. It is designed for the student who is primarily interested in a liberal arts degree program with a focus in music. This broadly based degree program has as its foundation the study of music, history, theory, and literature. The program prepares students for diverse career opportunities in keeping with the liberal arts tradition of Taylor University. This major consists of 55 hours including 10 hours of MUS 100-400 (applied major), two hours of 100-200 (applied minor), eight hours of ensembles, 120, 123, 131-132, 201, 223, 241, 341 or 342, 243/343, 361, 371, 372, 472; IAS 493.

The music minor programs for non-music majors consist of 28 hours including 18 hours of core requirements in MUS 100-200 (four hours), 120, 123, 131, 132, 223, 241; and ten hours in one of the following emphasis areas:

Church Music Emphasis Area: This emphasis is designed to prepare the graduate for work in the music programs in the local church. Specialty courses include MUS 200 (two hours), 320 (one hour), 350, 361, and major or minor ensemble (choral; two hours).

Applied Music Emphasis Area: This emphasis is designed for a liberal arts music minor program. Specialty courses include MUS 200 (four hours), 381 or 440 or 452, and major or minor ensemble (four hours).

Keyboard Pedagogy Emphasis Area: This emphasis is designed to prepare students to teach private piano. This course of study includes eight hours of applied piano study with juries at the end of each term. Those interested in pursuing this program should audition before the piano faculty. Specialty courses include MUS 200 (four hours), 381, 382, and 470.

Music/Elective Studies in Management, Marketing, and Theatre Arts Concentrations

The department offers a bachelor of science degree in this music major with elective study concentrations in management, marketing, and theatre arts. It is designed to provide the student with a broad-based musical foundation that prepares the student for possible vocational opportunities in the music industry or music theatre.

The 83-hour major with elective study concentrations in management and marketing requires a 59-hour music core including 12 hours of MUS 100-400; eight hours of ensembles; MUS 120, 123, 131-132, 201, 223 or 472, 241, 361, 372, 392, 393; IAS 493; a minimum of eight elective hours from MUS 221, 223 or 472, 341, 342, 242, 243, 292, 351, 352 or 362, 371; and the following 24 hours of elective study in one of the two concentration areas:

Management: BUA 231, 311, 352, 420; ACC 241; ECO 190 or 211; MAT 110 (or higher) or NAS 240; one elective course from BUA 362, 422, 442 or 452.

Marketing: BUA 231, 312, 352, 410, 460; MAT 110 (or higher) or NAS 240; two courses from BUA 313, 375, 412, or 452.

The 77-hour major with an elective study concentration in theatre arts requires a 45-hour music core including 12 hours of MUS 100-400; eight hours of ensembles; MUS 120, 123, 131-132, 201, 241, 310 (opera workshop), 361, 372, 223 or 472; IAS 493; a minimum of eight elective hours from MUS 221, 223 or 472, 242, 243, 292, 341, 342, 351, 352, 362, 371; and the following 24 hours of elective study.

Theatre Arts: CAS 120, 200, 212, 432; two hours of HUM 250 (one in musical theatre and one in a regular series play); one elective course from CAT 301 or 341; one elective course from CAM 352, 362 or 402.

Music/Performance and Composition Concentrations

The bachelor of music degree is the initial professional baccalaureate degree in music. Its primary emphasis is on development of the skills, concepts, and sensitivity essential to the professional life of a musician. Students in this major select concentrations in performance or composition.

The music major with a performance concentration prepares students for graduate school and possible careers as solo performers in concert or church music, accompanists, private teachers, professional ensemble members or conductors, or as college teachers. It requires 85-86 hours and is offered to students in the following areas:

Vocal Performance: 20 hours of MUS 100-400 (applied major instrument—includes MUS 118), 4 hours of MUS 100-200 (applied minor instrument), 8 hours of ensembles, MUS 131-132, 120, 123, 223, 201, 221-222, 241-242, 243, 292, 341, 342, 361-362, 440, 442, 371, 372, and IAS 493.

Piano Performance: 20 hours of MUS 100-400 (applied major instrument), four hours of MUS 100-200 (applied minor instrument), eight hours of ensembles, MUS 120, 123, 223, 131-132, 201, 221-222, 241-242, 243, 292, 341, 342, 361-362, 371-372, 381-382, 470, 472, and IAS 493.

Instrumental Performance: 20 hours of MUS 100-400 (applied major instrument), four hours of MUS 100-200 (applied minor instrument), eight hours of ensembles, MUS 120, 123, 223, 131-132, 201, 221-222, 241-242, 243, 292, 341, 342, 361-362, 371, 372, 462, 472, and IAS 493.

The music major with a composition concentration prepares students for further studies in graduate school, teaching theory/composition in college, and composing and/or arranging sacred or secular music as well as numerous opportunities in radio, television, or other related fields. It requires 84 hours and includes 12 hours of MUS 100-400 (major and minor instruments), eight hours of ensembles, MUS 131-132, 120, 123, 223, 201, 292, 221-222, 231, 232, 331, 332, 241-242, 243, 292, 321-322, 341, 342, 351, 352, 361-362, 371, 372, 421-422, 472, and IAS 493.

Music Education

The bachelor of music degree with a major in music education prepares and certifies the student to teach in the public schools on the elementary, junior high school, and senior high levels. Professional education requires 28 hours including EDU 150, 260, 322, 411, 431, and PSY 240. Also required are ENG 210 and PSY 340. Detailed curriculum guides are available from the education department.
The music education major requires 69-71 hours including 10 hours of MUS 100-400 (applied major instrument), two hours of MUS 100-200 (applied minor instrument), seven hours of courses, MUS 120, 123, 131-132, 201, 223, 241-242, 243, 311-312, 341 or 342, 361, 371-372, 472, and IAS 493. Students elect and complete course requirements in one area of emphasis:

Choral Area: MUS 118, 351, 362, 440, and 462. Students with a choral emphasis must participate in an instrumental ensemble for at least one term.

Instrumental Area: MUS 111, 352, 231, 232, 331, 332, and 362. Students with an instrumental emphasis must participate in a choral ensemble for at least one term.

General Area: MUS 111, HUM 250 (Folk Dances), MUS 462, and three hours from MUS 292, 362, 351, 111 (Guitar), 440, and 381. Students with a general emphasis must participate in a mixture of choral and instrumental ensembles.

The music education minor is designed for art, elementary education, and physical education majors and leads to certification for teaching music in kindergarten through sixth grades. Courses include six hours of MUS 100-200 (applied major and minor instruments), MUS 131-132, 120, 123-223, 241, 311, 361, and two hours of music electives. The student is encouraged to participate in ensembles.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Music Ensembles

All college students are invited to participate in the various musical organizations. Students are encouraged to structure their schedules so that ensembles may be taken for credit. Humanities 250 credit may be obtained by participation in an ensemble or HUM 250 Folk Dances. Auditions are held for freshmen and transfer students during the days of orientation at the beginning of the academic year. For those students previously enrolled at Taylor University, auditions are arranged through the individual ensemble conductors.

**Choral Ensemble Courses**

MUS 240/340 1 hour
Concert Chorale
A select group of approximately 60 members chosen by audition. This SATB (soprano, alto, tenor, bass) ensemble performs a choral repertoire of sacred classics selected from Renaissance through Contemporary periods, including hymns and spirituals. The chorale tours annually during spring break. Other performances include participation in the Indianapolis Praise Gathering and frequent appearances with the Marion Philharmonic Orchestra.

MUS 210/310 1 hour
Taylor Sounds
A select group of 16 singers chosen by audition. This SATB ensemble performs a varied choral repertoire from Renaissance to contemporary Christian and gospel arrangements. The Taylor Sounds perform throughout the Midwest on weekends and on annual tours.

MUS 210/310 1 hour
University Chorus
The University Chorus is a mixed choral ensemble open by audition to all men and women at Taylor University. The choir sings diverse literature from all historic periods and performs on campus in chapel and concerts.

MUS 210/310 1 hour
Gospel Choir
The Gospel Choir is an auditioned choir open to all students. It performs a variety of gospel music and presents concerts on and off campus including gospel music festivals.

MUS 210/310 1 hour
Opera Workshop
The Opera Workshop performs one opera or musical each year. Participation is by audition and is open to music students and ensemble members. Offered spring semesters.

**Instrumental Ensemble Courses**

MUS 280/380 1 hour
Symphonic Band
The Symphonic Band is open to all wind and percussion players by audition. It performs the classic band repertoire as well as transcriptions and current literature. The band tours annually during spring break.

MUS 210/310 1 hour
Jazz Ensemble
The Jazz Ensemble is open to all wind and percussion players by audition. It performs contemporary stage band literature as well as the jazz classics. This ensemble performs a concert each semester and tours in local schools and regional festivals.

MUS 210/310 1 hour
Jazz Combo
The Jazz Combo is a selected ensemble by audition. The combo explores improvisatory stylings and performs a concert each semester. Beginning, intermediate and advanced level instruction is given.

MUS 290/390 1 hour
Chamber Orchestra
The Chamber Orchestra is open to all string players by audition. The orchestra performs string music from all periods and frequently combines with one of the vocal ensembles to present sacred oratorios and cantatas as well as operas and musicals. Wind and percussion players are also utilized.

MUS 210/310 1 hour
Brass Choir
The Brass Choir, open by audition, consists of a selected group of brass players who perform classical and sacred brass literature. The choir performs frequently in chapel and area churches.
MUS 210/310 1 hour
Flute Choir
The Flute Choir consists of a selected group of flute students. The students are auditioned by the flute instructor and explore flute chamber literature. This choir performs one concert each semester.

MUS 210/310 1 hour
Pep Band
The Pep Band is open to all students who enjoy performing contemporary music at football and basketball home games. (No audition required.)

MUS 210/310 1 hour
Taylor Ringers
The Taylor Ringers consists of thirteen members chosen by audition. The group performs a variety of 4-5 octave literature of a moderate-to-difficult nature on campus (chapel, banquets), off campus (outreach programs), and on tours each spring.

MUS 210/310 1 hour
Handbell Choir
The Handbell Choir is open to students with bell ringing experience as well as to students with no previous experience who are willing to learn the art of bell ringing. The group performs in chapel as well as in programs on and off campus.

Applied Music
Private lessons are required of all music majors and are available for nonmajors. All students taking applied music for the first time register for the 100 level. (Exceptions for transfer students are determined by an examination.) Advancement from one level to another is on the basis of proficiency, examination, or consent of the instructor. The course numbers represent lower and upper-division credits. Normally freshmen and sophomores register for the 100-200 level and juniors and seniors register for the 300-400 level. Students not majoring in music may enroll for applied lessons suited to their background and needs. For those students desiring to study privately in voice, keyboard, or instrumental areas, auditions are set up individually with the director of voice, piano, or the specified instrumental area during the first week of each semester. Music majors should consult the Handbook for Music Majors for specific requirements at each level and private lesson fees.

Private music lessons may be taken for one to four hours in the following areas: brass, organ, piano, percussion, string, voice, woodwind, and guitar. This credit may count for the general education requirement of HUM 250, Participation in the Arts. Students should contact the music department secretary during registration for the correct private instruction name and course number.

MUS 100, 200, 300, 400 1-4 hours
Applied Performance
Learning practice methods, building good techniques, acquiring sufficient repertoire, gaining a broad knowledge of literature and composers, and achieving performance skills. May be taken a maximum of four semesters, a minimum of one semester.

Music Education Courses

MUS 111, 112 1 hour
Voice, Piano, String, Guitar Class
Applied class instruction for students with little or no previous training. Development of techniques with repertoire appropriate to the elementary level.

MUS 118 1 hour
Diction
Diction is a study of phonetic Italian diction and its practical application in seventeenth and eighteenth century songs and arias. The International Phonetic Alphabet is utilized as a learning tool. This class is to be taken in conjunction with applied lessons, supplying a firm foundation basis for future voice study. Required of all voice majors. Offered fall semesters.

MUS 231 1 hour
Instrumental Methods I—Brass Instruments
Class instruction in various brass instruments. Designed to acquaint music education specialists and church musicians with basic performance problems and teaching techniques of the brasses. Offered fall semester of even years.

MUS 232 1 hour
Instrumental Methods II—Woodwinds
Class instruction in various woodwind instruments. This course is designed to acquaint music education specialists and church musicians with basic techniques for teaching and playing woodwind instruments. Offered spring semester of odd years.

MUS 301 4 hours
Music in the Elementary Classroom
This course consists of three components: (1) an overview of the basics of music (rhythm, melody, harmony, form, tone color); (2) an introduction to musical skills (singing, playing a recorder, guitar, autoharp, conducting, rhythm band instruments); and (3) methods and materials for teaching music (especially those related to the Kodaly and Orff methodologies). One section is offered in the fall; two sections are offered in the spring.

MUS 311 3 hours
Elementary School Music
A study of the role of the music specialist in planning musical experiences for children with emphasis on child development, music literature, teaching aids, and teaching practices utilizing guitar, recorders and Orff
Instruments. Curriculum development and the organization of the elementary school music program are also included. Offered fall semester of even years.

MUS 312 3 hours Secondary School Music Investigation of secondary music curricula, organizational structures, and materials. Emphasis is on both nonperformance areas (general music, theory, appreciation, and related art courses) and performance-oriented areas (band, orchestra, and choir development). Includes a field experience lab. Offered spring semester of odd years.

MUS 331 1 hour Instrumental Methods III—Percussion Class instruction in percussion instruments. This course is designed to acquaint music education specialists and church musicians with basic techniques for performing and teaching percussion instruments. Offered spring semester of even years.

MUS 332 1 hour Instrumental Methods IV—Strings Class instruction in string instruments. This course is designed to acquaint music education specialists and church musicians with basic techniques for performing and teaching orchestral stringed instruments. Offered fall semester of odd years.

MUS 361 2 hours Conducting I An introduction to the psychological, technical, and musical elements of conducting. Study of musical scores of choral literature is also stressed. Offered fall semesters.

MUS 362 2 hours Conducting II Advanced score studies, conducting, and rehearsal techniques of instrumental works. Lab experience with band or orchestra ensembles is included. Prerequisite: MUS 361 or the equivalent. Offered spring semesters.

MUS 381 2 hours Piano Pedagogy I A study of the methods and materials of teaching beginning piano students. Supervised teaching experience is included. Offered fall semesters.

MUS 382 2 hours Piano Pedagogy II A study of the methods and materials of teaching intermediate keyboard students. Supervised teaching experience is included. Offered spring semester of odd years.

MUS 392 3 hours Music and Business A study of the business aspects of the music industry including topics such as identification of the management team, the recording industry, songwriting and music publishing, touring, music merchandising and motion picture music. Offered in spring semester of even years.

MUS 440 2 hours Vocal Pedagogy Techniques, practices, and materials related to teaching voice. Offered spring semester of even years.

MUS 462 2 hours Instrumental Pedagogy and Literature Techniques, materials, literature and performance practices related to teaching instruments. A supervised teaching experience is included. Offered fall semester of odd years.

MUS 464 2 hours Percussion Pedagogy Techniques, materials, literature and performance practices related to teaching percussion instruments. A supervised teaching experience is included. Offered fall semester of odd years.

Church Music Courses

MUS 320 1-4 hours Internship In-depth experience with a minister of music involving responsibilities in various phases of the church music program including administration, organization, rehearsal, and worship.

MUS 350 3 hours Music and the Church A study of the organization, administration, and operation of the church music program. Areas of study include the multiple church choir program (preschool—grade 9), handbells, instruments, adult choirs, rehearsal techniques, vocal pedagogy, worship planning, song leading, and hymnody. Offered fall semester of odd years.

Music Theory, History, and Literature Courses

MUS 120 3 hours Music Theory A comprehensive, practical introduction to the essentials of music theory: rhythm, intervals (diatonic and chromatic), scales (major and minor—all forms), key signatures, circle of 5ths, triads and chords, terms, and tempo markings. Class instruction as well as computer lab work includes singing, ear training, and keyboarding. Offered fall semesters.

MUS 123 3 hours Harmony I A study of basic fundamentals and structural elements of tonal music. Principles of part-writing, elementary forms, and melodic and rhythmic concepts are learned through written analytic and keyboard experience. Areas covered include diatonic triads, diatonic seventh chords, and secondary functions. Prerequisite: MUS 120. Offered spring semesters.

MUS 131 1 hour Introduction to Music I An introductory course exploring careers in music, the elements of music, basic music forms, styles, and an overview of the history of Western music. The course is designed for the music major, music minor, and other interested students. Offered fall semesters.

MUS 132 2 hours Introduction to Music II A continuation of MUS 131. Prerequisite: MUS 131. Offered spring semesters.

MUS 201 1 hour Computers, Technology, and Music This is a preliminary-level instructional course designed to train the music major in the knowledge and applications of computer and MIDI systems as used in the music profession. Emphasis is placed on acquiring basic knowledge and skills in MIDI and hardware systems, synthesizer, performance, sequencing, and desk-top publishing. Dominant use is on Macintosh systems. Basic keyboard skills are essential. This course along with the two-hour COS 104 or 106 course meets the computer literacy requirement. Includes a supervised lab each week. Prerequisites: MUS 120, COS 104 or 106, or permission of the instructor.

MUS 211, 222 2 hours each Composition I and II Original composition in elementary and advanced forms. Emphasis is on development of individual style of expression.

MUS 223 3 hours Harmony II A continuation of Harmony I. Intermediate and advanced work in the following areas: chromaticism and modulations, diminished and half-diminished seventh chords, and doubly
augmented sixth chords. Also included is an introduction to binary and ternary forms and late-nineteenth century tonal harmony as well as an introduction to twentieth century practices. An original composition is required as a final project. Prerequisite: MUS 123. Offered fall semesters.

MUS 241 2 hours
Sight Singing and Ear Training I
Skill development is stressed in the areas of sight-singing (the ability to read/interpret musical symbols), ear-training (both written and aural skills), and rhythmic responsiveness accomplished through class performance and the use of the computer lab. Prerequisite: MUS 120. Offered fall semesters.

MUS 242 2 hours
Sight Singing and Ear Training II
Continuation of MUS 241. Intermediate and advanced level work is in the areas of sight-singing (diction, intervallic, melodic, and harmonic), rhythm (irregular meter), and analysis (small forms). Prerequisite: MUS 241. Offered spring semesters.

MUS 243/343 3 hours
Music and World Cultures
An investigative study of selected non-Western cultures and the role of music within the cultures. Three components are basic principles of culture and basic principles of music. Japanese culture and music, and African culture and music (East Africa and West Africa). This cross-cultural course is open to all students. Upper-division credit requires a paper pertaining to music and a culture of the student's choice. Offered interterm and fall semester.

MUS 292 3 hours
Introduction to Electronic Music
An introduction to the aesthetics and types of electronic music. Emphasis is placed on working with synthesizers, tape recorders, computers, sequencers, signal processors, and splitters with the objective of creating an electronic composition as a final project. Outside reading on the subject is required as an adjunct part of the course. Prerequisite: MUS 201. Offered spring semester of even years.

MUS 321, 322 2 hours each
Composition III and IV
Continuation of the project begun in 321-322. Includes an introduction to the technique of electronic music and the composition of several pieces in this medium using the music synthesizer and related equipment. Taught as a private lesson with requisite fee.

MUS 323 1 hour
Functional Keyboard Skills
The facilitating of practical keyboard skills including scales, chords, arpeggios, sight reading, and harmonization of melodies at sight. In addition, students complete the requirements needed for transposition, score reading, and accompanying in order to pass the Piano Proficiency. Offered interterms.

MUS 341 2 hours
Counterpoint
Theoretical approach to the fundamental principles of eighteenth century polyphonic composition; a study of the formal designs and methods of structural treatment with written and analytical experience in the harmonic-contrapuntal concept of music. Prerequisite: 223. Offered spring semester of odd years.

MUS 342 2 hours
Form and Analysis
Analysis of representative works of the eighteenth and nineteenth centuries with emphasis on the structure and stylistic aspects of music. Prerequisite: 223. Offered spring semester of even years.

MUS 350 2 hours
Choral Arranging
A course on the ranges, tonal possibilities, and technical limitations of the different voices; the analysis of scores of standard choral compositions. Arranging and adapting scores for various vocal combinations are included. Prerequisite: 223. Offered fall semester of even years.

MUS 352 2 hours
Instrumental Arranging
Band and orchestral instruments are studied with a view to practical and effective writing. Arranging of compositions for various instrumental combinations is included. Prerequisite: 223. Offered fall semester of odd years.

MUS 371 3 hours
History-Literature I
A study of the development of music from the pre-Christian through the Baroque eras. Stylistic cognizance is acquired through aural experience. Offered fall semesters.

MUS 372 3 hours
History-Literature II
A study of the development of music during the eighteenth and nineteenth centuries and concomitant phases of social and cultural practices of the times. Stylistic perception is gained through audiovisual and aural experience. Offered spring semesters.

MUS 421, 422 2 hours each
Composition V and VI
Continuation of projects begun in 321-322 in preparation for the senior recital. Taught as a private lesson with requisite fee.

MUS 442 2 hours
Vocal Literature
A study of English, Italian, German, French, and American literature since the late Renaissance. Emphasis is on stylistic interpretation and vocal appropriateness. Music is performed by class participants. Recordings are also utilized. Offered spring semester of odd years.

MUS 470 2 hours
Piano Literature
A study of piano works chosen from a given era or composer. Lecture, performance, recorded examples, and pedagogy techniques are used. Offered only to piano majors, certificate in piano pedagogy candidates, and others by permission of the instructor. Offered spring semester of even years.

MUS 472 3 hours
History-Literature III
A study of the development of music from the year 1900 to the present. Representative music and concomitant phases of political history and art are correlated with aural and analytical techniques of this period of history. Offered spring semesters.

Special Topic Courses

MUS 170, 370 1-4 hours
Selected Topics

MUS 360 1-4 hours
Independent Study

MUS 393 1-4 hours
Practicum

MUS 480 1-4 hours
Directed Research

MUS 480 1-4 hours
Senior Seminar

MUS 490 1-2 hours
Honors

IAS 493 4 hours
Senior Seminar
An exploration of the art of music and its connection to contemporary culture and the Christian faith. Offered interterms.
NATURAL SCIENCE

The natural science area includes curricular offerings in biology, chemistry, computing and system sciences, mathematics, and physics for the major in natural science as well as two education minors in general science and physical science.

A major in natural science with preprofessional concentrations in pre-engineering and premedical technology is designed for students participating in three-year preprofessional programs. All Taylor University degree requirements are applicable with the following exceptions: PHI 413 and IAS 493, the minimum of 42 hours of upper-division credit, the minimum 128 total-hour requirement, and the senior comprehensive examination. Normally, students complete all applicable requirements within three years, including a minimum of 96 total hours and a minimum of 40 major hours taken in courses offered in the natural science area. These courses must be selected in accordance with the unique requirements of each preprofessional program. Upon completion of the three years at Taylor University, students complete one or two years of professional requirements at an approved accredited school. Upon receipt of a transcript verifying the satisfactory completion of one year at an approved accredited school, the student is granted the baccalaureate degree by Taylor University.

Natural Science/Pre-Engineering Preprofessional Concentration
(3-2-1 Program)
Assistant Professor D. Smith, advisor

A student desiring both a baccalaureate-level engineering degree and a Taylor degree may complete the designated Taylor on-campus requirements in three years. The engineering baccalaureate requirements may then be completed in two or three years after transferring to an approved accredited engineering school. On satisfactory completion of the first year of study at the engineering school, the student who follows the schedule of courses will be granted a baccalaureate degree with a major in natural science by Taylor University.

The bachelor of arts degree with a major in natural science and a pre-engineering concentration requires two years of one foreign language and 40 hours of natural science including the following recommended courses: CHE 201 and 202 or 211 and 212; COS 120; MAT 151, 230, 240, 431; PHY 211 and 211L, 212 and 212L, 341; and electives in the natural science area to total 40 hours.

The bachelor of science degree with a major in natural science/systems and a pre-engineering concentration consists of the 40-hour major requirement and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401, or 402; PHY 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401 or 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a grade of C-or better.
Natural Science/ Premedical Technology Concentration (3-1 Program)
Professor Hammond, advisor

The medical technologist serves as a vital part of the hospital medical team, performing the lab tests that lead to successful diagnosis of illness. Taylor University maintains affiliations with three regional hospitals for students wishing to pursue a bachelor of science degree in natural science: Ball Memorial Hospital, Muncie; Methodist Hospital of Indiana, Indianapolis; and Parkview Memorial Hospital, Ft. Wayne.

201, 202, 301, 301L, 302, 302L, and 311. At least one mathematics course is also required. It is recommended that you choose from MAT 130, 140 or 151. Some hospital programs also require at least one semester of physics. All Taylor University degree requirements are applicable with the following exceptions: PHY 413 and IAS 493, the minimum of 42 hours of upper-division credit, the minimum 128 total-hour requirement, and the senior comprehensive exam. Students must complete a minimum of 96 total hours at Taylor prior to entering the hospital program.

General Science Education Minor
A teaching minor in general science education requires 26-27 hours including BIO 100, ENS 200 or 231, CHE 201, PHY 211 and 211L or PHY 203 and 211L, GEO 240 or 210, PHY 201.

Physical Science Education Minor
A teaching minor in physical science education requires 28 hours including CHE 201 and 202, PHY 211 and 211L, PHY 212 and 212L, PHY 201, GEO 240 or 210.

Science Research Training Program
The purpose of the Science Research Training Program is to stimulate students beyond "normal education" with hands-on practical experiences, promote real-world industrial relationships (careers), and prepare future graduate students. As faculty, students, and staff, our goal is to pursue excellence (world leadership in selected research areas) and thereby stay on the cutting edge of scientific research and thought. We encourage scholarly research, crossover interactions between various disciplines, and promote publications in professional journals by Taylor University faculty and students. Where possible, we relate science with society and apply science and technology to various mission field needs. Research activities are carried on quietly and often on a long-range basis, but are essential to leadership and progress. During the summer months, when faculty and students can devote more time to independent research, student stipends are available for research one-on-one with a faculty member. These projects include the areas of biology, chemistry, computers, engineering, environmental science, math, and physics.

Natural Science Courses

NAS 220  
4 hours
Natural Science Research Methods
To introduce general scientific research in the fields of biology, chemistry, computer science, environmental science, mathematics, and physics/engineering. An overview of selected representative research topics, problem solving approaches, instrumentation, and analysis techniques. The lab emphasizes the use of scientific instrumentation and advanced computer software tools. Fulfills lab science general education credit in either life or physical science. For students enrolled in the Summer Honors program.

NAS 240  
4 hours
Introductory Statistics
A study of basic statistical methods for describing data, counting outcomes and probability, probability distributions, sampling distributions, confidence intervals, tests of hypotheses, linear regression, and correlation.

NAS 480
Natural Science Seminar
The integration of topics from contemporary science with an emphasis on recent research reports of interdisciplinary interest. Guest lecturers and faculty and student reports serve as the method of instruction.
OFF-CAMPUS/INTERNATIONAL STUDIES PROGRAMS

Program Coordinator, Instructor Spragg

One of Taylor University’s objectives is to prepare students for a variety of professions on a foundation of appropriate academic experiences, cultural breadth, and Christian perspectives. In order to keep within its mission, Taylor University offers many opportunities for students to earn undergraduate credit for a semester, January interterm, or summer in an environment of total academic and cultural immersion.

Off-campus study programs challenge values and stimulate critical thinking whether they take place in the United States or abroad. Many students return home from their off-campus experience with new perspectives, new questions, and a deeper hunger to learn more about their own society. For additional information, refer to the program guide, Off-Campus/International Studies Programs, available in the office of academic affairs.

Students interested in participating in any of these programs should consult with the coordinator of off-campus/international studies programs located on the Taylor University Upland campus. As a general rule, enrollment is limited to students in their junior or senior year who have completed their freshmen core courses. All courses taken through off-campus programs must be taken for a grade. Transfer credit only is given for Daystar University, Hong Kong Baptist University, the Oregon Extension, and seminars spent at Consortium schools. Students must earn a C- or above in order for transfer credit to be accepted. In addition, courses may not be audited or taken pass-fail.

In order to participate in any semester off-campus program, students must obtain approval from their advisor, the Office of Student Affairs, the Controller’s Office, the Office of Off-Campus Programs and the registrar.

Since most off-campus programs are independent organizations or universities not operated by Taylor University, students should understand that not every course will fulfill a Taylor requirement, and due to international registration procedures some students may not receive every class for which they register. Upon their return students are responsible for any graduation requirements missed during their time overseas/off-campus.

Academic Program in France

The department of modern languages participates in the Academic Year Abroad Program of Bowling Green University. Through this participation, students have the opportunity to earn up to 18 hours of credit while studying for a semester in France. The program provides study in Paris in September followed by study at the highly respected Institut de Touraine in Tours, France. Students live with carefully selected French families while in Tours.

FRE 300 12-17 hours
Study In France
A language study experience for students participating in Taylor University’s consortium agreement with Bowling Green State University’s Academic Program in France. Course content varies depending upon the student’s level of proficiency in French. Applicability to a major or minor other than French must be determined in advance by a petition submitted to the department.

American Studies Program

The American Studies Program (ASP), located in Washington, D.C., is sponsored by the Council for Christian Colleges and Universities. ASP is an intensive fall or spring semester, blending seminars and hands-on internships. Combining theory with practice, each of the three seminar classes focuses on specific domestic and international policy topics. Creative internships are individually arranged to be precareer work experiences to accommodate diverse majors or areas of interest. Sixteen hours of credit are earned through this interdisciplinary program that is designed for juniors and seniors.

ASP 300 8 hours
American Studies Seminar in Washington, D.C.
A series of three seminars permits a variety of approaches to public policy issues in American government and politics, thus giving participant students an opportunity to utilize the national capital’s unique array of human and organizational resources. The seminars are organized into two five-week public policy units and one four-week foundations study unit. Applicability to a major must be determined by the department.

ASP 310 8 hours
American Studies Internship in Washington, D.C.
An internship experience for participants in the American Studies Program that challenges each student to integrate faith with practice in a professional setting. Applicability to a major must be determined by the department.

AuSable Institute of Environmental Studies

Taylor is affiliated with the AuSable Trails Institute of Environmental Studies in Marcellona, Michigan. Taylor students may take summer courses for credit at AuSable and may also complete requirements for certification as naturalists, environmental analysts, or land or water resources analysts.

China Studies Program

Students are offered an opportunity to discover the richness of China through a new, unique living/learning semester abroad sponsored by the Council for Christian Colleges and Universities. The China Studies Program (CSP) encourages students to wrestle with the critical issues facing China in the light of biblical truth. Students explore the complex past of one of the world’s oldest cultures; experience the economic, political, and social realities of contemporary China; and study China’s challenges as a rapidly emerging world power. The curriculum incorporates travel and visits to well-known sites throughout the country, such as Beijing, Shanghai, Xi-an, and Guangzhou/Hong Kong.

CSP 100 3 hours
Chinese Language
A course designed to help students gain an appreciation for the richness of the spoken national language of China. Emphasis is placed upon acquisition of the basic facility in the dialect and on the spoken form.

CSP 310 3 hours
Chinese History, Culture and Geography
CSP participants begin with this...
introductory seminar, covering the history of China through 1949, making use of historic sites in the Xian area. Topics include Chinese ancient philosophy, classics, history, geography, cultural customs and traditions, life in rural China and religious traditions.

CSP 311 3 hours
Contemporary Chinese Society
The study of China focuses on the country’s basic social structure, especially in the urban areas. Study will include family structure, education, youth issues, media, pop culture, literature, fine arts, religion and medical and social services.

CSP 312 3 hours
Economic Development and Reform Policies
Students examine economic changes in the context of Reform and Open Policy in China. Special topics include reform policy, private enterprise, joint-venture enterprise, state enterprise, international finance, the stock market in China, the Pudong Development Zone, manufacture sectors in China and related issues.

CSP 313 3 hours
Politics and Foreign Affairs of China
Topics include China since 1949, the Party and the Government, China’s legal system, national minorities, Sino-American relations, Tiawan and Tibet issues from the Chinese perspective, human rights issues, the special administrative region of Hong Kong and other related issues. Beijing, Hong Kong, and Macau are the sites for this study.

CSP 320 1 hour
Local Art and Culture
This special seminar on local folk art and customs takes place during the initial three weeks.

Christian Center for Urban Studies
Taylor University is affiliated with the Christian Center for Urban Studies (CUS) that serves as a cooperative education center linking the Olive Branch Mission in Chicago with twelve Christian colleges and seminaries. The Center’s objective is to foster personal and corporate discipleship through involvement in urban ministry, participation in a Christian community, and the study of urban life and systems. Specific programs range from weekend field trips to three-week mini-term and semester-long programs. Students live in facilities owned by the Olive Branch Mission and experience firsthand an inner-city environment. Applicability to a major must be determined in advance by the department.

CUS 210/310 4 hours
The City From a Christian Perspective
A survey of the city from biblical, historical, sociological, political, anthropological, and ministry perspectives will be used to aid students in developing a biblical theology and Christian response to the city. Fulfills cross-cultural requirement. Offered January interim.

CUS 220/320 4 hours
The City From a Multicultural Perspective
An introduction to city life, cultures, neighborhoods, and churches. Students survey the city through participant-observations, readings, presentations, internship, and public transportation. Methods include journals, discussions, and case studies. Fulfills cross-cultural requirement. Offered June interim.

CUS 230 4 hours
Chicago Arts Seminar
A survey of art experiences and expressions in Chicago, including the formulation of a Christian response to the arts. Fulfills HUM 230 requirement. Offered semesters.

CUS 312 3 hours
Urban Anthropology and Mission
An application of anthropological insights to ministry with people in modern cities. Issues of human behavior will be examined through participant-observation, quantitative research, and field trips. Offered semesters.

CUS 322 3 hours
Community, Culture, and Christian Leadership
An integration of the principles and practice of Christian leadership for cross-cultural ministry in a Chicago setting. Major issues of leadership will be examined to develop personal skills and organizational strategies for leadership and community development. Offered semesters.

CUS 393 4 hours
Practicum
A hands-on experience to enhance academic knowledge in one’s major field or for exposure to a ministry or people group. A large selection of professional, cross-cultural, and service internships are available. Credit involves reports and final evaluations from supervisor and four meetings with internship coordinator. Credit is based on one hour credit for each 40 hours of supervised internship. Offered semesters.

Consortium Programs
The Consortium programs are comprised of the Christian College Consortium’s Student Visitor Program in addition to other Consortium-approved, off-campus semester programs as described below:

The Christian College Consortium’s Student Visitor Program is designed to enrich the participant’s educational experience by making the resources of other Consortium colleges available as part of the undergraduate program. Through the Student Visitor Program, one semester or its equivalent can be spent on one of thirteen Consortium campuses without completing lengthy enrollment forms. Credits are transferable to Taylor. Consortium Colleges include Asbury College, Bethel College, George Fox College, Gordon College, Greenville College, Houghton College, Malone College, Messiah College, Seattle Pacific University, Trinity College, Westmont College, and Wheaton College.

Taylor University participates in the Oregon Extension, a program of Houghton College, through the Christian College Consortium. This program offers a wide variety of courses in a very personal, highly rigorous academic environment. The fall semester program offers 15 hours of transferable credit under the general category of Contemporary Life and Thought.

Daystar University, a Christian College Consortium program, allows selected junior or senior students to spend a fall or spring semester studying at the Athi River campus located outside Nairobi, Kenya. Participants attend classes with over 1,200 African students who are studying for the bachelor of arts degree. Up to 17 hours of academic credit may be transferred while immersed in the radically different culture of East Africa. All instruction is given in the English language and is offered by a faculty of African nationals.

A Consortium agreement with Hong Kong Baptist University (HKBU)
allows junior and senior students at Taylor University an opportunity to spend a fall or spring semester studying at HKBU, the only Christian university in the People’s Republic of China. While living in campus dormitories with Chinese students, participants can earn from 12 to 17 hours of transferable course credit in classes taught in English. Premier programs include business, music, journalism, physical science, social sciences, English-Chinese translation, and the humanities.

Focus on the Family Institute
Focus on the Family Institute, under the auspices of Focus on the Family in Colorado Springs, provides a unique values-oriented, biblically based education program in which students examine critical family issues. The curriculum is composed of four core courses, a practicum experience in one of the various departments at Focus, and an integrative research project. This semester study program crosses academic and professional disciplines. Interaction with various national and international leaders and experts is also provided.

HEART Program
The HEART Program is offered during January interterm for those desiring to serve in developing third world countries. Students live and learn in a simulated third world village. Emphasis is on technical skill learning in agriculture (animals and horticulture), appropriate technology, cross-cultural communication/community development, nutrition/food preparation, and primary health care. Students receive Taylor credit for this program, which takes place at the Heart Institute in Lake Wales, Florida.

International Business Study Tour
The business department on the Upland campus sponsors this four-week business study tour during interterm. Students visit various international sites using these locations as their classroom to study trade, economics, and other business topics.

BUA 381 4 hours
International Business Tour
A study tour of selected international locations to focus on regional trade, economics, and business topics. Issues of cultural differences, conflicts, compromises, and international cooperation are examined. Throughout the cultural dimension of international business dealings is emphasized. Prerequisites: BUA 231, ECO 211 or 190, sophomore standing within a business division major/minor. Offered interterms.

Israel/Greece Study Tour
The department of biblical studies on the Upland campus sponsors a three-week trip to Israel and Greece during January interterm. The trip focuses on biblical developments of the Old and New Testament eras. Special emphasis is placed on the archaeology of Jerusalem, Jesus’ ministry in Galilee, and the life and journeys of the apostle Paul. Students visit key sites in both Israel and Greece.

BIB 103 3 hours
Introduction to Holy Land Studies
A study of the biblical background and contemporary significance of Israel. Taught in Israel during January. This course may count for either BIB 110, BIB 210, a departmental elective or cross-cultural requirements. Offered interterms.

Jerusalem University College
The department of biblical studies on the Upland campus offers an opportunity for fall or spring semester studies at Jerusalem University College (JUC) in Israel. Choice of several course offerings is available. Students have the opportunity to study Scripture in context, view biblical sites, understand the Arab-Israeli conflict, and experience modern and ancient cultures. This program provides a basic understanding of the land and people of the Bible and of the Middle East.

JUC 300 12-17 hours
Holy Land Studies/Israel
Students enrolling in this semester-long program in Bible, geography, history, and archaeology will receive 12-17 hours of Taylor credit to be identified on the basis of courses selected when they enroll. Applicability toward the major, general education, and cross-cultural requirements must be determined in advance by petition or course selection. Permission of the program director is required.

Latin American Studies Program
This semester program based in San Jose, Costa Rica, is offered through the Council for Christian Colleges and Universities. In addition to the standard program of language and seminars (both semesters), the Latin American Studies Program (LAS) offers three tracks including international business (fall semester), tropical science (spring semester), and advanced language and literature (both semesters). All students study the Spanish language and become immersed in the rich culture and history of the Latin American people. Students reside in the homes of Costa Rican families, engage in a service project, and travel within Central America.

LAS 300 6 hours
Latin American Studies

Spanish Language Study
Students participating in the Latin American Studies Program study grammar, conversation, and literature in a Spanish class that is determined by the student’s level of proficiency.

LAS 310 6 or 7 hours
Latin American Studies Seminar in Costa Rica
Two interdisciplinary seminar courses help students participating in the Latin American Studies Program learn about
and appreciate the Latin American people. A greater understanding of the Latin culture is gained by studying the social, cultural, political, psychological, philosophical, theological, and economic currents that flow through Latin American society. **Applicability to a major must be determined in advance by a petition submitted to the department.**

**LAS 393** 1-4 hours  
**Latin American Studies Practicum in Costa Rica**  
Midway through a Latin American Studies Program students participate in a two-week hands-on service project (unless enrolled in the business, tropical science, or advanced language and literature track).

**Lighthouse Trips**  
Lighthouse is a ministry of Taylor World Outreach. Lighthouse teams go to different parts of the world to share the light of the gospel, the redemptive love of Jesus Christ, with a world in need. The teams are recruited in the spring for ministry projects that take place the following January. Students must take a required one-credit-hour course in cross-cultural ministry during the fall semester followed by the trip in January, earning three cross-cultural credit hours. The ministries include evangelistic outreach through the performing arts, work and service projects, practical missionary training, and missions surveys and are designed to optimize the cross-cultural, interpersonal, and ministry aspects of the international experience.

**IAS 120** 1 hour  
**Introduction to International Ministry**  
An overview of cross-cultural ministry, of American cultural distinctives, and of host nations' cultural distinctives is presented. The class is offered each fall in preparation for participating in cross-cultural ministry during January interterm. **Grade only.**

**IAS 320** 3 hours  
**Cross-Cultural Outreach**  
IAS 120 or permission of the instructor is required for this month-long experience of ministry that meets the general education cross-cultural requirement. Additional practicums may be selected in philosophy/religion, Christian education, social work, elementary education, or music during the field experience. **Offered interterms**

**Literary London**  
A study of literature and culture is offered in England annually by the English department during interterm. Students may receive credit in general education, literature, or cross cultural studies. The group focuses its activities in central London with field trips to surrounding areas such as Stratford-Upon-Avon, Canterbury, Oxford, Dover, and Salisbury. Students are encouraged to attend plays and musicals and to participate in British life.

**ENG 233** 4 hours  
**Literary London**  
A study-tour conducted each January in England, combining study of selected major British authors with extensive sightseeing in London and surrounding counties. **Enrollment with permission of instructor. Offered interterms**

**Lithuania Christian College**  
Lithuania Christian College (LCC), located in the beautiful port city of Klaipeda, and Taylor University have developed a one-semester (either spring or fall), study-abroad program. The program allows Taylor students to enroll in twelve to seventeen hours of university courses including subjects in English, Christian studies, business, history, German, computers, psychology, philosophy, and counseling.

**LCC 370** 12-17 hours  
**Study in Lithuania**  
This semester program offers a variety of courses taught in English. Applicability toward major, general education, and cross-cultural requirements must be determined in advance of course selection. **Permission by program director is required.**

**Los Angeles Film Studies Center**  
The Los Angeles Film Studies Center (LAFSC), located adjacent to Burbank, California, provides a values-based education for skills acquisition and on-the-job training for students interested in the various aspects of the film industry. Serving as a fall or spring semester extension campus for the Council for Christian Colleges and Universities member colleges, the LAFSC incorporates a semester-study program with internship experiences to equip students to be a positive Christian presence in the film industry. **Applicability to a major must be determined in advance by the department.**

**FSC 310** 3 hours  
**Introduction to Filmmaking**  
An introduction to the theory and practice of motion picture filmmaking. Topics will include familiarity with filmmaking equipment; basic motion picture techniques; converting ideas to images; the use of lighting, editing, and sound in film; and the role of acting, directing, and good storytelling in the filmmaking process. Students make several short super 8mm films that manifest their faith in content and process.

**FSC 311** 1 hour  
**Inside Hollywood**  
An examination of the creative and operational aspects of the film business. Class discussion will provide a Christian perspective on issues raised by guest presenters and will probe the common personal, professional, and public ethical issues that function within the entertainment business.

**FSC 312** 3 hour  
**Screenwriting**  
An introduction to contemporary screenwriting, including an understanding of dramatic structure, character and dialog development, and the writing process. Students complete a full-length screenplay for a feature film or "movie-of-the-week." Emphasis is given to the role of Christian faith and values as they relate to script content.

**FSC 313** 3 hours  
**Seminar on Independent Film Production**  
An introduction to the process of producing an independent feature film. Topics include legal structures, business plans, preproduction activities such as scheduling and budgeting, and an overview of the producer's role in production, and distribution. Attention is given to the Christian's unique contribution to producing.

**FSC 320** 3 hours  
**Faith, Film and Culture**  
A survey of film and the film industry that highlights film's influence on, and reflection of, American culture during the late 19th and 20th centuries, with a particular emphasis on Christian perspectives of culture.
**Middle East Studies Program**

The Council for Christian Colleges and Universities sponsors a Middle East Studies Program (MES) in Cairo, Egypt. Students who are juniors and seniors are exposed to the vast resources of Cairo during the fifteen-week fall or spring semester. Courses such as Introduction to Arabic Language and Literature, People and Cultures of the Middle East, Islamic Thought and Practice in the Middle East, and Conflict and Change in the Middle East maximize the educational, experiential impact of the curriculum. After living in Cairo for thirteen weeks, the students travel to Israel, Palestine, and Jordan for seventeen days as part of the final module. Involvement in a local service project is an important component of the program.

**MES 100 4 hours**
Introduction to Arabic Language

While focusing on spoken Arabic, students are given a solid grammatical introduction to the language. Students are also introduced to the major genres of Arabic literature with consideration of how the Christian faith relates to themes encountered in Arabic literature.

**MES 310 4 hours**
People and Cultures of the Middle East

This course seeks to acquaint students with the enormous variety of peoples and cultures found in this area of the world. It examines the basic structure of historical and contemporary societies and cultures of the Middle East and North Africa, with a special emphasis on Egypt.

**MES 312 4 hours**
Conflict and Change in the Middle East

A study of political, economic, and religious transformations that have occurred and are still occurring in the area. Special emphasis is given to the Arab-Israeli conflict. Seventeen days are spent in Israel, Palestine, and Jordan to gain firsthand Jewish and Palestinian perspectives.

**MES 322 4 hours**
Islamic Thought and Practice in the Middle East

This course examines the doctrines, rituals, jurisprudence, and historical vision of Islam with an emphasis on contemporary expressions of Islam in the Middle East.

**Oak Ridge Institute for Science and Education**

Taylor maintains a collegial relationship with the staff of the Oak Ridge Associated Universities. Taylor has been one of the leading participants in the highly rigorous and demanding program experimenting with the use of radioisotopes in biology, chemistry, and physics. During interim sessions, students join other college and university participants to study and conduct research experiments.

**Oxford Honours Programme**

The Oxford Honours Programme (OHP) is a partnership program with the Council for Christian Colleges and Universities and the Centre for Medieval and Renaissance Studies, affiliated with Keble College of the University of Oxford. OHP offers juniors and seniors with a 3.5 gpa or higher an opportunity to study, research, and interact with Oxford dons (professors) while earning sixteen semester hours of Taylor credit. Students may explore areas of their major field by designing two separate tutorials. An interactive seminar offers an opportunity to study a specialized topic of the Medieval, Renaissance, Reformation, and Counter-Reformation periods. Each student presents a major scholarly project/paper in an integrative survey course. Travel to significant historical and cultural sites in England on four study tours is included.

**OHP 300 8 hours**
Oxford Honours Private Tutorial

Students may design two individualized tutorials, in consultation with their home campus faculty, that fit specific needs. These tutorials must remain in the framework of the liberal arts.

**OHP 310 4 hours**
Oxford Honours Seminar

Five students regularly meet with a tutor for a guided course of study. A listing of seminar choices can be found in the annual CMRS Prospectus in the Academic Affairs Office.

**OHP 320 4 hours**
Oxford Honours Integrative Course

In the fall semester the integrative course comes at the beginning of the term and traces the background knowledge necessary for an understanding of the Middle Ages. In the spring semester the integrative course comes at the end of the term providing a conclusion to the semester by consolidating the student's grasp of developments in Europe during the Renaissance and Reformation, and by looking ahead to the seventeenth century. A major scholarly project or term paper for presentation at a closing symposium is required.

**Oxford Study Program**

The Taylor Oxford Study Program offers an alternative approach to major study during January interterm. Learning is facilitated by a tutorial method at England's Oxford University. The program consists of various group meetings to assimilate British culture. Each Taylor student meets weekly with an Oxford tutor on a topic of the student's choice for Taylor credit. Students are housed in homes of British church families.

**Russian Studies Program**

Students may earn up to 16 hours of credit while discovering firsthand the richness of the Russian language, culture, and history through a unique living/learning semester abroad sponsored by the Council for Christian Colleges and Universities. The Russian Studies Program (RSP) makes use of the resources found in Moscow, center of the former Soviet government and current political and economic debate; Nizhni Novgorod, located on the Volga River 230 miles east of Moscow in the Russian heartland and the focus of post-Communist economic reform; and St. Petersburg, where Eastern and Western influence are wed in a city rich with history and culture. The semester includes the opportunity to participate in a service project and to live with Russian families. Applicability to a major must be determined in advance by the department.

**RSP 100 4 or 6 hours**
Russian Language Study

While primary focus of the Russian language course is on conversational Russian, other goals include equipping students to be comfortable with basic reading and writing in Russian. Placement in this course of study corresponds to level of proficiency.
Contact with students, faculty, and host families facilitates language acquisition.

RSP 310  4 hours  
Russian Peoples, Culture and Literature  
Using the resources of Moscow, St. Petersburg, and Nizhni Novgorod, students study the Russian people and culture throughout history using well-known works of Russian literature to examine changes in Russia. Works by Tolstoy, Dostoevsky, Gorky and Bulgakov are used. Visits to appropriate sites, including homes of literary figures, museums, and historic cities and villages are included in this seminar.

RSP 311  3 hours  
Russia in Transition  
Students are introduced to the complexities of transition from a centrally planned economy to a free market system and establishment of democratic institutions as they take an in-depth look at Russia since 1991. Students discuss the changes and their impact on Russia's economy, political institutions and the life of the Russian people. The seminar includes service projects in selected educational institutions, orphanages, businesses and other organizations in the Nizhni Novgorod region, as well as travel throughout western Russia.

RSP 312  3 hours  
History and Sociology of Religion in Russia  
This seminar delves into the history of religion in Russia dating from the beginnings of Christianity in the tenth century to the present day, with emphasis on Orthodoxy and Protestantism, including study of the persecution during the Soviet era and the flourishing of religious activity in post-Soviet years. The course also looks at the current government regulations from various points of view.

RSP 313  2 hours  
International Relations and Business  
Students explore issues related to the newly-arising world of business in Russia. Cultural differences, economic potential, ethics and government policy will be examined.

Spanish Abroad  
The department of modern languages sponsors a program in San Jose, Costa Rica, which offers the possibility of eight hours of credit in intermediate and/or advanced Spanish during five weeks in the summer. Students study with professors from Taylor and live with Costa Rican families. Opportunities are provided for travel to sites of historical interest, and cultural programs are included in the varied itinerary. Applicants at or above the intermediate level may participate with permission of the coordinator.

SPA 203  6 hours  
Applied Aural-Oral Spanish  
Intensive conversation dialogue sessions with introduction to reading and grammar review. Spanish 203 is the equivalent of 201 and 202. Prerequisites: SPA 102 and permission of instructor.

SPA 303  2 hours  
Advanced Composition and Conversation II  
Theme writing in conversational style, letter writing, and use of idiomatic Spanish.

SPA 313  2 hours  
Latin American Literature Survey I  
Selections of New World Spanish Literature before 1880 are read and studied.

SPA 323  2 hours  
Latin American Literature Survey II  
The most outstanding Hispanic American authors since 1880 and selections of their works are studied in a survey manner.

SPA 333  2 hours  
Síntesis de la Cultura Latinoamericana I  
Consideration of contemporary issues and events in Latin America from a variety of media including newspapers and magazines. May be taken twice.

SPA 403  2 hours  
Advanced Composition and Conversation III  
Special advanced guidance is given in oral and written compositions for students completing Spanish 303.

SPA 433  2 hours  
Síntesis de la Cultura Latinoamericana II  
A survey of the history, societies, peoples, politics, geography and culture of Latin America.

Summer Institute of Journalism  
Student news writers and editors from Council for Christian Colleges and Universities campuses explore journalism in Washington, D.C. The Summer Institute of Journalism (SIJ) blends classroom experience with hands-on news gathering and news writing opportunities over an intensive four weeks from mid-May to mid-June. SIJ offers seminars with over 25 top professional journalists from media as varied as USA Today, CNN, The Washington Post, National Geographic, and Christianity Today. Four hours of academic credit are granted by Taylor University.

Urban Semester Program  
Through the Urban Semester Program, Upland students are able to explore urban issues in an urban setting by studying on the Fort Wayne campus. During the semester on the Fort Wayne campus, Upland students take courses and practicums that meet requirements for their major and general education. In addition, students enroll in an Orientation to the City class, which examines urban issues including the responsibilities and challenges for the Christian.
PHYSICAL EDUCATION AND HUMAN PERFORMANCE

Chair, Professor Taylor; Professor Romine; Associate Professors Krause, Marsee, Patterson, Winterholter; Assistant Professors Bauer, Bireline, Finccannon, Hayes, Stucky, Wilt; Lecturer Holtmann

The physical education and human performance department has two major components: (1) to prepare competent, caring, and reflective Christian leaders for world service in coaching, health, physical education, physical fitness and wellness, and sport management and (2) to help students acquire the skills and attitudes for lifetime wellness as well as wholesome and active use of their leisure time.

Baccalaureate degrees are offered in physical education (teaching and nonteaching majors), sport management, and wellness. Minors are offered in physical education (teaching minor) and health and safety (teaching minor). A coaching endorsement is offered for education majors, and a coaching certificate is offered for students in nonteaching majors. Candidates for the bachelor of arts degree must complete two years of one foreign language.

The three-hour PHP requirement in general education must be met by taking PHP 100 and two hours of PHP 200 (one hour of PHP 200 credit may be met by taking PHP 300, 302, 333, or 334). Elementary education majors satisfy one hour of PHP 200 by taking PHP 250.

Physical Education (Teaching Major)
The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor’s teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change. Students who meet graduation requirements in the physical education teacher education program, successfully complete student teaching, and meet the Indiana qualifying scores on the required NTE test will be eligible for Indiana certification. Students planning to be certified in states other than Indiana have the responsibility of determining certification requirements in those states. Detailed curriculum guides and information about certification requirements for all states are available from the education department.

Students completing the bachelor of science degree or bachelor of arts degree with a major in physical education for all grade certification (K-12) must complete a total of 52 hours in the major including PHP 111, 210, 252, 310, 313, 314, 321, 342, 380, 381, 382, 392, 402, 472; one swimming course from 300, 302, 333 or 334; two coaching courses from PHP 251, 261, 312, 361, or 372; IAS 493; BIO 244 and 245 or 243. Four or five elective hours must be taken to total 52. Electives include PHP 200 (1-2 hours), 231, 271, 272, 301, 305, 360 (1-4 hours), 370 (1-4 hours), 393 (4 hours), 490 (1-2 hours), PHP 251, 261, 312, 362, or 372 (if not used above); PHP 302, 333, or 334 (if not used above). Professional education requires 31 hours including EDU 150, 260, 320, 322, 411, 431, and PSI 240. ENG 210 and PSI 340 are also required.

Students completing the bachelor of science degree or bachelor of arts degree with a major in physical education for secondary education (7-12) or middle school, junior high, and senior high certification (5-12) must complete a total of 44 hours including PHP 111, 210, 310, 313, 314, 321, 342, 380, 381, 382, 392, 402, 472; one swimming course from 300, 302, 333, or 334; two coaching courses from PHP 251, 261, 312, 361, or 372; IAS 493; BIO 244 and 245 or 243. If BIO 243 is taken instead of BIO 244 and 245, one elective hour must be taken from PHP 200 (1-2 hours), 231, 252, 271, 272, 301, 305, 360 (1-4 hours), 370 (1-4 hours), 393 (4 hours), 490 (1-2 hours); PHP 251, 261, 312, 361, or 372 (if not used above); PHP 302, 333, or 334 (if not used above). Professional education requires 28 hours including EDU 150, 260, 320, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSI 340 are also required.

Students completing the bachelor of science degree or bachelor of arts degree with a major in physical education for secondary education (7-12) or middle school, junior high, and senior high certification (5-12) must complete a total of 44 hours including PHP 111, 210, 252, 310, 313, 314, 321, 342, 380, 381, 382, 392, 402, 472; one swimming course from PHP 300, 302, 333, or 334.

Students majoring in teacher education programs may earn a teaching minor in health and safety by completing 25 hours. Specific requirements are BIO 244, 245; PSI 340; PHP 213, 214, 215, 271, 272, 301, and three elective hours from BIO 200; CHE 100; PSI 240, 300, 321, 390, 461; SOC 210; SWK 380.

Students majoring in the physical education teacher education program may earn a coaching endorsement by completing 20 hours. Specific requirements include PHP 310, 381, 382, 402, 472, 393 (4 hours), and a minimum of four hours from PHP 251, 261, 312, 333, 361, 370 (selected topics in coaching other sports), 372.

Students in any education major other than physical education may earn a coaching endorsement by completing 15 hours. Specific requirements include PHP 220, 393 (4 hours); a minimum of four hours from PHP 251, 261, 312, 333, 361, 370 (selected topics in coaching other sports), 372; three hours of electives from PHP 200 (1 hour from basketball, soccer, softball, tennis, volleyball, weight training), PHP 200 (1 hour of athletic participation), 231, 271, 272, 310, 381, 382, 402, 472.

Physical Education (Nonteaching Major)
A bachelor of arts degree in this physical education (nonteaching) major is offered for those students who want to go on to graduate studies or work in a nonschool setting. All students in this 57-hour major must complete a 22-23 hour core including PHP 111.
210, 310, 381, 382, 402, 492 (4 credit hours at an external organization); BIO 243 or 244 and 245. If BIO 243 is taken instead of BIO 244 and 245, one additional elective hour must be taken in the major. In addition, students must choose, depending on their interests, one of the following 34-hour concentrations:

- Exercise Physiology: CHE 201 and 202 or CHE 211 and 212; PHP 216, 217, 271, 272, 305; 12 elective hours from MAT 151, MAT 230, MAT 240, CHE 311, CHE 312, CHE 410L, CHE 411, CHE 412; PHY 203 or 211 and 211L, PHY 204 or 212 and 212L, BIO 101, BIO 200, PHP 213, PHP 215, PHP 355.

- Sport Psychology: PSY 125, 200, 220, 250, 272, 321, PHP 472; one coaching course from PHP 251, 261, 312, 361, or 372; 12 elective hours from EDU 260, PSY 300, PSY 330, PSY 400, PSY 410, PSY 411, PSY 420, PSY 422, PSY 441, PSY 461, PHP 220, PHP 355, one coaching course from PHP 251, 261, 312, 361, or 372 (if not used above).

- Sport Management: ACC 241; ECO 211 and 212; BUA 231; PHP 350, 351, 480; 12 elective hours from ACC 242, BUA 311, BUA 352, BUA 362, BUA 410, BUA 412, CAS 201, PHP 220, PHP 355, PHP 402, PHP 472, SYS 210, SYS 200.

Coaching: PHP 220, 271, 272, 305, 350, 393 (2 hours), 472; one coaching course from PHP 251, 261, 312, 361, or 372; PSY 230; 12 elective hours from CHE 100, PHP 213, PHP 216, PHP 231, PHP 351, PHP 355, PHP 402, PHP 480.

Wellness: PHP 215, 216, 217, 271, 272, 305, 402; CHE 100; 13 elective hours from PHP 213, PHP 214, PHP 301, PHP 302, PHP 333, PHP 355, BIO 200, BUA 231, CAS 201, PSY 250, PSY 300, PSY 321.

The department offers a coaching certificate that may be earned by any student who does not obtain teacher certification. The certificate may help the graduate obtain a coaching position in a school system. Specific requirements include PHP 220, 393 (4 hours); a minimum of four hours from PHP 251, 261, 312, 333, 361, 370 (selected topics in coaching other sports); 372; three hours of electives from PHP 200 (1 hour from basketball, soccer, softball, tennis, volleyball, weight training), PHP 200 (1 hour of athletic participation), 231, 271, 272, 310, 381, 382, 402, 472.

**Wellness**

This major is designed to prepare students for positions in corporate fitness and wellness, commercial fitness and wellness, and graduate study.

The bachelor of arts degree with a major in wellness may be earned by completing two years of one foreign language and 52 hours including PHP 111, 210, 215, 216, 217, 271, 272, 305, 381, 382, 392, 393 (2 hours), 402, 492 (4 hours); BIO 244 and 245 or 243; IAS 493; nine to 10 elective hours from ACC 241, BIO 200, BUA 231, BUA 352, CAS 201, CAS 261, CHE 100, PHP 213, PHP 301, PHP 310, PSY 200, PSY 250, PSY 300, PSY 330, PHP 360 (1-2 hours).

The bachelor of science degree with a major in wellness may be earned by completing 70 hours including PHP 111, 210, 215, 216, 217, 271, 272, 305, 381, 382, 392, 393 (2 hours), 402, 492 (4 hours); BIO 244 and 245 or 243; IAS 493; nine to 10 elective hours from ACC 241, BIO 200, BUA 231, BUA 352, CAS 201, PHP 301, PHP 310, PSY 300, PSY 330, PHP 360 (1-2 hours), SYS 200. Also required, but not included in the major grade point average, are 18 hours including CHE 100, MAT 110, PSY 250, SYS 210, and NAS 240.

**Sport Management**

The department offers an integrated major in sport management with the business department. Both the bachelor of arts and the bachelor of science degrees are offered in this major. The program is designed to prepare students for management positions in sport from the high school level to professional sports and for graduate study. Refer to the business department section for the requirements for this major.

**Physical Education Courses (General Education)**

Three PHP courses are required to meet the general education requirement at Taylor University—PHP 100 (1 hour) and two PHP 200 courses (1 hour each).

One hour of PHP 200 credit may be met by taking an aquatic course from PHP 300, 302, 333, or 344. Elementary education majors satisfy one hour of PHP 200 by taking PHP 250. PHP 100 is a prerequisite for any course taken to satisfy the PHP 200 requirement.

**PHP 100 1 hour**

**Fitness for Life**

A course on the importance of wellness, including the spiritual basis, and how individuals can achieve a state of wellness in their lives. Content includes the health-related components of physical fitness, hypokinetic diseases, nutrition, AIDS and sexuality, substance abuse, cancer, and stress management. Students are expected to engage in a program of regular physical activity during the semester, and a battery of tests is given to assess each student's level of physical fitness. This course, a requirement for all students, satisfies one of the three general education requirements in PHP.

**PHP 200 1 hour**

**General Physical Education**

These courses are to encourage students to adopt an active physical lifestyle and to maintain physical fitness and wellness throughout their lives. Students learn about activities and develop skills for participation in lifetime sports. A variety of courses are offered each semester from the list below (PHP 200A-2). Prerequisite: PHP 100.

The individualized physical education course is designed for students who fit into one of the following categories: (1) the student has a physical problem that prohibits completing another PHP 200 course; (2) the student would like to do an activity that is not offered as an PHP 200 course, and (3) the student is near graduation and cannot schedule another PHP 200 course. Students design personal physical fitness programs that must include cardiovascular activities and then engage in those physical fitness programs throughout the semester. Pre- and post-physical fitness assessments are administered, and a cognitive assignment is required. Students must apply and be approved by the PHP department chair in order to register for the course. Prerequisites: PHP 100 and PHP 200 (1 credit).

The athletic participation course is designed for students who compete on an intercollegiate athletic team. Students must select this course in the term in which they are participating in the sport and must meet the prerequisites indicated. Students must apply and be approved by the registrar and the athletic director in order to register for this course. Prerequisites: PHP 100 and PHP 200 (1 credit).
# Physical Education and Human Performance Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>PHP 200B</td>
<td>Badminton</td>
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<td>PHP 200C</td>
<td>Weight Control and Fitness</td>
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<td>PHP 200D</td>
<td>Square Dance</td>
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<td>PHP 200F</td>
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<td>PHP 202Z</td>
<td>Athletic Participation</td>
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### Physical Education and Human Performance Courses

**PHP 111 2 hours**  
*Foundations of Physical Education and Health*  
An introduction to the field of physical education. The content includes the history, philosophy, contemporary issues, and various careers that are available in physical education. *Offered fall semesters.*

**PHP 210 1 hour**  
*Microcomputer Applications in Exercise Science*  
Students are introduced to a variety of general and specialized applications of microcomputers and related technologies available to the PHP major. Lab opportunities include the learning support center computer lab, Zondervan Library student computer lab, training and rehabilitation rooms, and field trips. *Prerequisite: COS 104 or 106. Offered fall semesters.*

**PHP 213 2 hours**  
*Substance Abuse*  
The course is designed to prepare professionals for drug education. The scope of the course is wide and includes the following basic areas: drug terminology, pharmacology, psychodynamics, legal and law enforcement perspectives, social and cultural determinants, ethical and moral alternatives, behavioral aspects, and educational strategies. A strong emphasis is placed on developing guidelines for decision making in our society. The purpose is to exchange the best amount of information on drug use, misuse, and abuse available. *Offered spring semester of even years.*

**PHP 214 3 hours**  
*Health and Sexuality*  
This course is designed to prepare future health educators to teach the relationship between health and human sexuality. The class activities will include lectures/discussions, peer teaching, development of an abstinence-based curriculum and lectures by outside resource personnel. *Offered fall semester of even years.*

**PHP 215 2 hours**  
*Health and Aging*  
The course is designed to examine common health-related physiological changes, current issues, and concerns as they pertain to the aging individual. *Offered spring semester of odd years.*

**PHP 216 3 hours**  
*Applied Nutrition*  
This course is a study of basic human nutrition, fundamentals of digestion, absorption and metabolism, nutrients and their roles, ergogenic aids, eating disorders, body composition assessment, and nutrition for athletics and wellness. *Prerequisites: PHP 100 or by permission of instructor. Offered fall semester of even years.*

**PHP 217 3 hours**  
*Wellness Programs*  
This course is a study of the philosophy, goals, objectives, organization, content, and methods of wellness programs. Characteristics of various clientele and how programs can be developed to meet their specific needs will be studied. *Prerequisite: PHP 111. Offered fall semester of odd years.*

**PHP 220 4 hours**  
*Principles of Coaching*  
This course is a study of the duties and responsibilities of coaches and the potential problems and issues that they may face. The content will include the four major areas of coaching certification programs: medical aspects, physiological aspects, psychological aspects, and organization and administration aspects. Methods and strategies of handling the responsibilities and the problems will be studied. *Offered fall semester of even years.*

**PHP 231 2 hours**  
*Officiating of Men's and Women's Sports*  
A study of the officiating skills and techniques needed for various men and women's sports. The opportunity to earn official's rating is provided. *Offered fall semester of odd years.*

**PHP 250 3 hours**  
*Elementary School Health and Physical Education*  
A course designed to equip the elementary education student with a basic understanding of teaching concepts associated with physical education activities and appropriate health and safety practices. Fundamental content of the areas of physical education, health, and safety as well as teaching methods are explored. *Prerequisite: PHP 100.*

**PHP 251 2 hours**  
*Coaching of Volleyball*  
This course provides the student with an understanding of the fundamental skills, strategies, and rules of volleyball. Also covered is philosophy of coaching, schedule making, practice planning, conditioning, statistics, care and choice of equipment, and techniques of team selection. *Offered fall semester of even years.*

**PHP 252 4 hours**  
*Physical Education in Elementary Schools*  
A study of the components in an elementary physical education program and their value to a child's education. Also includes the study of motor development and methods of teaching elementary physical education. *Prerequisite: PHP 111. Offered fall semester of odd years.*

**PHP 261 2 hours**  
*Coaching of Basketball*  
A study of offensive and defensive play with an emphasis on modern trends in basketball. Rules, fundamentals, schedule making, scouting, care and choice of equipment, and techniques of team selection are included. *Offered fall semester of odd years.*

**PHP 271 1 hour**  
*Cardiopulmonary Resuscitation (CPR)*  
Successful completion of this course will certify participants in the techniques of Basic CPR according to both the American Heart Association and American Red Cross standards. Priority registration for this course is given to wellness majors. *Offered spring semesters.*
PHP 272 1 hour
First Aid
Instruction and practical experience designed by the National Safety Council to educate the layperson or health care worker in the fundamental knowledge and skills of first aid for victim assessment: bleeding wounds; poisoning; burns; cold and heat emergencies; bone, joint and muscle injuries; victim transportation; and other first aid concerns. Priority registration for this course is given to wellness majors. Offered fall semester of odd years.

PHP 300 1 hour
Basic Swimming Skills
Basic proficiency in swimming skills and water safety. Presently, this course is not taught at Taylor University, but PHP majors are allowed one hour of credit if they satisfactorily complete the basic swimming, intermediate swimming, or emergency water safety courses at another institution.

PHP 301 4 hours
School Health
Education and Safety
Proper health and safety practices are studied, with emphasis on the materials that should be taught in a secondary school health class. Methods for teaching are stressed in addition to content. Prerequisite: PHP 111. Offered fall semester of even years.

PHP 302 1 hour
Lifeguard Training
This course is designed to train an individual in the proper methods for rescue, water safety, first aid, CPR, and other skills necessary for lifeguarding. Offered fall semesters.

PHP 305 4 hours
Physical Fitness
Prescription and Assessment
A study of the components of physical fitness and the techniques of prescribing exercise programs and methods of assessing the fitness levels for each component. The course consists of classroom work, practical exercises in the lab, and field trips to fitness centers. Prescribing fitness programs and assessing fitness levels of various populations are studied. Prerequisite: PHP 100. Offered fall semester of odd years.

PHP 302 1 hour
Lifeguard Training
This course is designed to train an individual in the proper methods for rescue, water safety, first aid, CPR, and other skills necessary for lifeguarding. Offered fall semesters.

PHP 312 2 hours
Coaching of Baseball and Softball
A course aimed at providing the student with an understanding of the general fundamentals of the game and a position breakdown of the important coaching points. The strategy of complete offensive and defensive performance is covered as are problems and challenges common to the baseball and softball coach. Offered fall semester of odd years.

PHP 313 2 hours
Skills and Teaching
Methods of Racquet Sports
Coverage of the rules, terminology, skills, progressions, and methods of teaching various racquet sports. Sports included are tennis, badminton, and racquetball. Prerequisites: PHP 111 and EDU 312. Offered fall semesters.

PHP 314 3 hours
Skills and Teaching
Methods of Individual Sports
The purpose of this course is to teach the terminology, skills, rules, progressions, and methods for instruction of the following individual/dual sports and activities: aerobic fitness, bowling, golf, track and field, and weight training. This class meets four hours per week, and students are required to do peer teaching of selected skills. Prerequisites: PHP 111 and EDU 312. Offered spring semester.

PHP 321 2 hours
Skills and Teaching
Methods of Tumbling and Rhythmic
This course is the study of the terminology, progressions, skills, and teaching and spotting methods of tumbling and the methods of teaching rhythms and dance in a school and recreation setting. Prerequisites: PHP 111 and EDU 312. Offered spring semester of odd years.

PHP 333 1 hour
Water Safety Instructor
Instruction in the skills, terminology, and progressions of teaching swimming strokes and water safety. The course includes both knowledge of the skills and physical performance of the skills. Successful completion of the American Red Cross requirements leads to certification in Red Cross WSI. Prerequisite: PHP 302 or Red Cross Emergence Water Safety. Offered spring semesters.

PHP 334 1 hour
Lifeguard Training Instructor
Acquisition of the skills, terminology, and progressions for teaching American Red Cross Lifeguard instructor training. The course includes both knowledge of the skills and physical performance of the skills. Successful completion of the American Red Cross requirements leads to certification as a Red Cross LGI. Prerequisite: PHP 302.

PHP 342 3 hours
Skills and Teaching
Methods of Team Sports
The purpose of this course is to teach students the skills, terminology, rules, progressions, and methods for teaching various team sports. Those sports include soccer, volleyball, basketball, softball, flag football, and adventure activities. This class meets four hours per week, and students are required to do peer teaching of selected skills. Prerequisites: PHP 111 and EDU 312. Offered spring semester of even years.

PHP 350 3 hours
Sport Management
This course is a study of the roles, functions, and responsibilities of the person who manages sports programs. The emphasis is on how these functions can be successfully performed in various sports organizations. Prerequisite: PHP 111. Offered spring semester of even years.

PHP 351 3 hours
Sport Public Relations
This course is an introduction to the responsibilities of communicating with the public in a sports organization and the techniques and strategies that can be used to effectively promote sports. Assignments provide students with practical experiences with these techniques and strategies. Prerequisite: PHP 111. Offered fall semester of odd years.

PHP 355 2 hours
Research Methods
in Exercise Science
An exploration of the basic methods of research and data collection in exercise science. Topics include defining a research question, reviewing and critically analyzing research, research designs, data collection, and interpreting results. Offered spring semester of odd years.
PHP 360 1-4 hours
Independent Study

PHP 361 2 hours
Coaching of Football
A presentation of the different offensive and defensive theories of modern football including the strengths and weaknesses of each. Includes a brief review of fundamentals, purchase and care of equipment, practice and program organization, and problems and challenges of the overall football program. Offered fall semester of even years.

PHP 370 1-4 hours
Selected Topics

PHP 372 2 hours
Coaching of Track and Field
Consideration of all track and field events with emphasis on teaching/coaching techniques for each. Includes demonstrations, form study, track and field meet management, scheduling advantages, and use and care of various equipment. Offered spring semester of even years.

PHP 380 2 hours
Evaluation of Physical Education
This course is a study of the methods of constructing, selecting, and administering cognitive, motor skill, motor ability, and physical fitness tests. Measurement in the affective domain and measurement of special population students are also studied as are procedures for analyzing, converting, and evaluating students' scores for grading. Prerequisite: PHP 111. Offered fall semester of even years.

PHP 381 2 hours
Kinesiology
An analysis of human movement based on anatomic and mechanical principles. Emphasis is given to the application of these principles to the understanding of athletic performance. Prerequisite: BIO 244. Corequisite: BIO 245. Offered spring semesters.

PHP 382 3 hours
Physiology of Exercise
A study of the adjustment of the systems of the body to exercise. Attention is given to conditioning of athletes as well as to understanding the physiological responses to recreation exercise. Prerequisites: BIO 244, 245. Offered fall semesters.

PHP 392 2 hours
Adapted Physical Education
The course includes teaching methods of motor skill development with regard to various disabilities, a study of Public Law 94-142, and various assessment techniques. Prerequisite: PHP 111. Offered spring semester of even years.

PHP 393 1-4 hours
Practicum

PHP 402 3 hours
Organization and Administration of Physical Education
A study of the methods of organizing and administering physical education programs. Topics covered include professional development, curriculum, instructional delivery, facilities management, legal and fiscal management, and other selection. Prerequisites: PHP 111. Offered spring semesters.

PHP 472 2 hours
Psychology of Coaching
A study of the nature of the coaching profession. The course emphasizes philosophy of sport, sports psychology, and coaching methods. Prerequisites: PHP 111 and a psychology course. Offered spring semester of even years.

PHP 480 2 hours
Seminar in Sport Management
Students examine contemporary issues in sport. Case studies, guest speakers, field trips, readings, etc. may be used to critically assess issues in sport and to explore strategies for managing them. Prerequisites: PHP 111, 350, and 351. Offered spring semester of odd years.

PHP 490 1-2 hours
Honors

PHP 492 4 hours
Internship
This field experience is designed to have the students apply what they have learned in their courses and to extend that learning by working in an organization that is appropriate for their major. Students work on a regular basis at the organization under the supervision of approved staff members. Students are also under the supervision of a member of the Taylor University department of physical education and human performance. Each student must comply with the guidelines for credit hours, clock hours, and other criteria that are specific for the internship in his/her major. To register for this internship the student must submit a proposal for the internship and have it approved by the PHP department and the Internship organization. Prerequisites: All designated prerequisites for the internship in that major.
ATHLETIC TRAINING COURSES

ATR 101  1 hour
Foundations of Athletic Training I
An introduction to the field of athletic training. The content includes history, philosophy, and various career opportunities that are available in the field. The major emphasis is on the development of taping skills, exposure control policies and practice and the prevention of athletic injuries. Clinical experience (50 hours minimum) includes observation in the training room and field settings. Offered fall semester.

ATR 102  1 hour
Foundations of Athletic Training II
A continuation of ATR 101. Course deals with a further development of basic skills, injury prevention techniques and a clinical observation in field settings (50 clinical hours). Students explore the role of the sports medicine team members and visit these individuals in their work settings. Prerequisite: ATR 101 and permission of program director. Offered spring semester.

ATR 201  1 hour
Clinical Experiences in Athletic Training I
This sophomore-level experience allows students to gain advanced skills in treatment and disposition of athletic injuries. First Aid and CPR instruction and certification are given. The student is responsible for presenting and attending case studies. Students within the ATR major assist the ATCs with game and practice coverage as assigned. Clinical experience (150 hours minimum) is obtained on campus and affiliation sites. Prerequisites: ATR 102 and permission of program director. Offered fall semester.

ATR 202  1 hour
Clinical Experiences in Athletic Training II
A continuation of ATR 201. Course addresses advanced emergency medical practices in athletic training, management and disposition of athletic injuries and presenting and attending case studies. Clinical experience (150 hours minimum) is obtained on campus and affiliation sites. Prerequisites: ATR 201 and permission of program director. Offered spring semester.

ATR 301  1 hour
Clinical Experiences in Athletic Training III
This junior-level experience allows students to gain advanced skills in the assessment of athletic injuries. The student is responsible for presenting and attending case studies, rotating through various clinical settings, and observing surgery. Students within the ATR program assist the ATCs with game and practice coverage as assigned. Clinical experience (225 hours) is obtained on campus and affiliation sites. Prerequisites: ATR 202 and permission of program director. Offered fall semester.

ATR 302  1 hour
Clinical Experiences in Athletic Training IV
A continuation of ATR 301. Students meet weekly to present and attend case studies and discuss their clinical experiences. Further topics of injury assessment, treatment and rehabilitation are addressed. Clinical experience (225 hours) is obtained on campus and affiliation sites. Prerequisite: ATR 301 and permission of program director. Offered spring semester.

ATR 310  2 hours
Therapeutic Exercise and Rehabilitation
A detailed study in the exercise and rehabilitation approaches used in preventing and treating athletic injuries. Case studies and a review of rehabilitation protocols will occur. Lab experiences allow students to apply these techniques. Course is taught with a physical therapist. Prerequisite: BIO 245 and permission of program director. Offered spring semester of even years.

ATR 330  3 hours
Physical Assessment I - Medicine
Instruction and practice of assessment techniques for sports injuries and illnesses in the following areas: environmental stress, emergency medicine, pediatrics, dermatology, podiatry, ophthalmology, oral/dental, otorhinolaryngology, medicine and athletes with special needs. Recognition of clinical signs and symptoms, and protocols are discussed. Special attention is given to pharmacological agents, performance enhancers and medications used in the athletics. Guest speakers from these medical specialties and allied health fields will present. Prerequisites: ATR 101/102, BIO 244. Offered fall semester of even years.

ATR 331  3 hours
Physical Assessment II - Orthopedics
This course covers the evaluation of orthopedic conditions and injuries that occur in sports and with the physically active. Skill development is incorporated with the use of special evaluation techniques used by the athletic trainer and diagnostic procedures used by the physician. Local orthopedic surgeons will be utilized as guest speakers. Prerequisite: BIO 244 and permission of the program director. Offered spring semester of odd years.

ATR 401  1 hour
Clinical Experiences in Athletic Training V
This senior-level experience allows students to gain advanced skills in management of athletic injuries and athletic training programs. Additional emphasis is placed on health education and counseling skills. The student is responsible for presenting and attending case studies, clerking with physicians, observing surgeries, and conducting research. Students within the ATR major assist the ATCs with game and practice coverage. Clinical experience (225 hours minimum) is obtained on campus and affiliation sites. Prerequisites: ATR 302 and permission of program director.

ATR 402  1 hour
Clinical Experiences in Athletic Training VI
A continuation of ATR 401. Student develops advanced skills and completes all remaining competencies including recertifying in First Aid and CPR. Clinical experience (225 hours minimum) is obtained on campus and affiliation sites. Prerequisites: ATR 401 and permission of program director.

ATR 410  3 hours
Therapeutic Modalities in Athletic Training
This course addresses pathophysiology of the various body systems. Special emphasis is placed on the prevention, etiology, diagnosis, treatment and tissue responses to injury. The course also covers electrophysiology, principles of electric and mechanical modalities, administrative considerations, and case studies. Electromagnetic radiation, electrical stimulation, infrared, ultrasound, diathermy, ultraviolet, lasers, traction, compression, and massage are all therapeutic techniques used in the treatment and rehabilitation of sports-related injuries. Prerequisite: CHE 100 or 211 and permission of program director. Offered fall semester of even years.
Physics

Chair, Professor Voss; Associate Professor Davis; Assistant Professors Holmes, Kiers, D. Smith

The purpose of the physics department is to provide an educational experience within a Christian context that equips students with the ability to obtain knowledge and understandings about the physical world for use in research, graduate studies, and careers and to positively impact society. The physics department offers instruction in physics, engineering, astronomy, and physical science. Space physics, theoretical high-energy physics, acoustics, advanced engineering instrumentation, materials, and microelectronics provide the major research interests in the department.

The department offers majors in physics, physics/systems, physics science education, engineering physics, and environmental engineering. Computer engineering is an interdisciplinary major offered jointly by the physics and computer science departments. The bachelor of arts degree is available in each of the majors and requires the completion of two years of one foreign language. The bachelor of science degree is available in engineering physics, environmental engineering, computer engineering, and physics/systems.

Physics

The bachelor of arts degree with a major in physics requires two years of one foreign language and 75 hours in the major including PHY 211, 211L, 212, 212L, 311, 321, 322, 330 (2 hours), 341, 342, 412; ENP 351; 10 hours of physics and engineering elective courses from PHY 301, PHY 312, PHY 370, ENP 252, ENP 330, ENP 332, ENP 352, ENP 355, ENP 431. Also required, but not counted in the major grade point average, are 31 hours including CHE 201 and 202 or CHE 211 and 212; MAT 431; and NAS 480 or IAS 230. Additional courses in computer science, systems, engineering, and mathematics are strongly recommended.

A minor in physics consists of 20 hours including PHY 211, 211L, 212, 212L; and at least 10 elective hours upper-level physics and engineering courses, ENP 252 may also meet elective hours.

Physics/Systems

This integrated major provides a strong background in physics, systems, management, mathematics, and problem solving. The bachelor of science degree with a major in physics/systems requires 56 hours in the major including PHY 211, 211L, 212, 212L, 311, 321, 330 (2 hours), 341, 342, 393 (3 hours), 412; ENP 332, 351; four hours of electives from PHY 301, PHY 312, PHY 322, PHY 370, ENP 252, ENP 330, ENP 352, ENP 355, ENP 431. Also required, but not counted in the major grade point average, are 15 hours including CHE 201 and 202 or CHE 211 and 212; MAT 431; and NAS 480 or IAS 230. Curriculum requirements in systems analysis include COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; eight hours of systems electives including MAT 230 and 240; and a three-hour practicum (listed with the major requirements).

Engineering Physics

The engineering physics major provides a strong background in physics for students who plan to enter engineering-related jobs or attend graduate school. The bachelor of science degree with a major in engineering physics requires 92 hours including PHY 211, 211L, 212, 212L, 301, 311, 321, 330 (2 hours), 331, 341; ENP 252, 332, 351, 352; two hours of PHY 393 or PHY 450; seven hours of technical electives from PHY 312, 322, 342, 370, 412, ENP 330, 355, 431, and IAS 330; 10 approved hours of additional technical electives (not used elsewhere in the major or general education) from business, biology, chemistry, computer science, environmental science, mathematics, physics, and/or systems. Also required, but not counted in the major grade point average, are 31 hours including CHE 201 and 202 or 211 and 212; COS 120; MAT 151, 230, 240, 431; and NAS 480 or IAS 230.

Environmental Engineering

The environmental engineering major provides a strong background in engineering and environmental science for students who plan to enter environmental-related jobs or attend graduate school. The bachelor of science degree with a major in environmental engineering requires 90 hours including:

Physics (44 hours): PHY 211, 211L, 212, 212L, 312, 331; ENP 252, 351, 352, 355; CHE 201, 202; four hours of electives from ENP 330, ENP 332, ENP 431, PHY 321, PHY 341, COS 120, CHE 311.

Environmental Science (26 hours): ENS 231, 241, 351, 402; ENS/PHY 393 (2 hours); CHE 320, 320L; four hours of electives from ENS 341, 361, 362, 363.

Mathematics (20 hours): MAT 151, 230, 240, 352, 431.

Physics Science Education

Either baccalaureate degree with a major in physics science education requires 77-88 hours and includes a general science core (18-20 hours), a primary major area in physics (44 hours), and a supporting science concentration area (15-24 hours). Courses completed under the primary or supporting science areas are in addition to the general science core.

Professional education requires 28 hours including EDU 150, 260, 312, 322, 411, and 431. EDU 332 is required for senior high, junior high, and middle school education licensure. ENG 210 and PSY 340 are also required. Detailed curriculum guides are available from the education department.

General Science Core: 18-20 hours including four to six hours from BIO 100, ENS 200, ENS 231, BIO 244 and 245; four hours from GEO 210 or GEO 240 or PHY 201; 10 hours from CHE 201 or 211, PHY 211 and 211L.

Physics Science Major Area: 44 hours including PHY 212, 212L, 301, 311; IAS 493; 12 elective hours from PHY 312, 321, 322, 330, 331, 341, 342, 412, ENP 252, 330, 332, 391, 352, 355, 431; 16 hours of math from MAT 151, 230, 240, 431.

Biology Science Concentration Area: 21-23 hours including BIO 101, 103, 104, 203, 204, 244 and 245 or 331 and 352.

Chemistry Science Concentration Area: 15 hours including CHE 202 and 10 hours of chemistry electives that must include CHE 301 and either CHE 311 or CHE 431.

General Science Concentration Area: 22 hours including BIO 100, ENS 200 or ENS 231, CHE 202, PHY 201, GEO 240 or GEO 210.
Mathematics Science Concentration
Area: 24 hours including MAT 151, 230, 240, 250, 312, and one elective course from MAT 352, 361, or 412.

A minor in physics science education requires 24 hours including PHY 211, 211L, 212, 212L, and 14 elective hours from PHY 301, 311, 312, 321, 322, 330, 331, 341, 342, 412.

The Indiana Professional Standards Board has redesigned the teacher education standards in Indiana. Thus, Taylor's teacher education programs will change. Please be advised that some of these changes may become effective during the next two years; therefore, specific programs in teacher education may change.

Computer Engineering
Computer engineering is an interdisciplinary major offered jointly by the physics and computer science departments. See computing and system sciences for program details.

Pre-Engineering (3-2-1 Program)
Pre-engineering is a preprofessional concentration in the natural science major and typically requires three years at Taylor University and two years at an accredited engineering school. See natural science for program details.

Physics Courses

PHY 120  4 hours
Experiences in Physical Science
Intended for nonscience majors. Selected topics from physical science are studied to afford insight into man's current understanding of natural phenomena, the models used to represent nature, and methods used in the quest to fathom the physical universe. Three hours of lecture, one recitation period, and two hours of lab each week. Offered spring semester of odd years.

PHY 121  5 hours
Survey of Physical Science for Elementary Teachers
Intended for elementary education majors as a content course, not a methods course. Selected topics from astronomy, physics, and chemistry are studied with special emphasis on their application in the elementary classroom. Summer projects provide experiences working with elementary school children. Four hours of lecture and two hours of lab each week. Offered fall semesters.

PHY 201  4 hours
Introductory Astronomy
A descriptive course about the solar system, stars and stellar evolution, and galaxies and the universe. Recent findings of space exploration and radio astronomy are included. Telescopes are provided for viewing sessions. Three hours of lecture and two hours of lab. Offered interterm and spring semester of even years.

PHY 203, 204  3 hours each
General Physics
A study of mechanics, thermodynamics, waves and sound, electricity, magnetism, and optics. Assumes mathematics at the algebra-trigonometry level. For majors that do not require a calculus-based treatment of physics, PHY 211L and 212L must be taken concurrently with PHY 203 and 204. Offered annually.

PHY 211, 212  4 hours each
University Physics
A calculus-based study of mechanics, thermodynamics, waves and sound, electricity and magnetism, and optics. Two hours per week. PHY 203 or 211 must be taken concurrently with PHY 211L; PHY 204 or 212 must be taken concurrently with PHY 212L. Offered annually.

PHY 211L, 212L  1 hour each
General and University Physics Lab
The introductory laboratories that accompany PHY 203, 204 and PHY 211, 212. Experiments include the areas of mechanics, waves, electricity and magnetism, and optics. Two hours per week. PHY 203 or 211 must be taken concurrently with PHY 211L; PHY 204 or 212 must be taken concurrently with PHY 212L. Offered annually.

PHY 301  3 hours
Intermediate Mechanics
Statics and dynamics of particles and rigid bodies including the method of virtual work, central force motion, and the effects of impulsive forces and torques. Applications to engineering and space physics. Prerequisite: PHY 212.

PHY 311  4 hours
Modern Physics
An introduction to modern physics including special relativity, quantum effects of radiation and particles, atomic structure, and elementary particles. Three hours of lecture and two hours of lab per week. Prerequisite: PHY 211, 212.

PHY 312  4 hours
Nuclear Radiation Physics
A study of natural and induced radioactivity, nuclear radiation detection, charged particle interactions, and neutron physics. Three hours of lecture and two hours of lab per week. Prerequisite: PHY 211, 212. Offered spring semester of odd years.

PHY 321  3 hours
Electricity and Magnetism
The vector field approach to electromagnetic theory. Includes electrostatics, magnetostatics, induction, dielectric and magnetic materials, and Maxwell's equations. Corequisites: MAT 431 or PHY 341. Prerequisite: PHY 211, 212. Offered fall semester of odd years.

PHY 322  3 hours
Waves and Physical Optics
Applications of Maxwell's equations including electromagnetic waves, wave guides, diffraction, and Fourier optics. Prerequisites: PHY 211, 212, and 321. Offered spring semester of even years.

PHY 330  1-2 hours
Advanced Lab
Physics and engineering physics majors must have two credit hours of PHY 330 to graduate. The actual experiments to be performed are selected from physics and/or engineering in consultation between the student and instructor. Prerequisites: ENP 252 or PHY 301 or PHY 311 and junior classification. Offered as needed for physics or engineering physics majors.

PHY 331  4 hours
Introduction to Electronics
Introductory concepts and experiments designed to acquaint students with the operation and application of modern electronic devices and components. Experiments dealing with elementary concepts of electricity, electrical measurements, diodes, transistors, integrated circuits, and a variety of solid state devices as well as digital electronics are provided. Three hours of lecture and one three-hour lab each week. Prerequisite: PHY 211, 212. Offered fall semesters.

PHY 341  3 hours
Math Methods in Physics and Engineering
An application of analytical and computational methods to various mathematical topics including linear algebra, matrices, eigenequations, vector field theory, partial differential equations, Fourier series and transforms, orthogonal functions, and complex analysis. Use of a computer
application such as Matlab is required.  
Prerequisite: PHY 212. Corequisite: MAT 431. Offered spring semesters.

**PHY 342**  3 hours  
**Analytical Mechanics**  
A formal treatment of mechanics covering harmonic motion, the translation and rotation of rigid bodies, noninertial reference frames, and gravitation. The course concludes with the Hamiltonian and Lagrangian formulations of mechanics. Prerequisites: PHY 211, 212, 341. Offered spring semester of even years.

**PHY 360**  1-4 hours  
**Independent Study**

**PHY 370**  1-4 hours  
**Selected Topics**  
Current topics include: Preparation for the Professional EIT Exam, Oakridge Nuclear Physics Studies, and Space Science and Astronomy.

**PHY 393**  1-4 hours  
**Practicum**

**PHY 412**  3 hours  
**Quantum Mechanics**  
A quantum mechanical treatment of the free particle, the harmonic oscillator, and the hydrogen atom. Includes creation and annihilation operators and an introduction to angular momentum. Prerequisites: PHY 211, 212, 311, and 341. Offered spring semester of odd years.

**PHY 450**  1-4 hours  
**Directed Research**

**IAS 493**  4 hours  
**Senior Seminar**

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**Engineering Physics Courses**

**ENP 252**  4 hours  
**Principles of Engineering**  
A course designed to introduce students to the requirements for general engineering using the EIT reference manual for professional engineers. Topics include introduction to engineering graphics with CAD, engineering economics, solids, fluids, gases, thermodynamics, heat transfer, statics, dynamics, materials, electrical systems, and electronics. The lab is designed to introduce engineering software and hardware tools with some creative design projects. Three hours of lecture and one three-hour lab each week. Prerequisites: MAT 230, PHY 211 or permission of instructor. Offered spring semesters.

**ENP 330**  4 hours  
**Microcomputer Interfacing**  
Software and hardware considerations involved in interfacing and using computers for on-line applications and as a part of larger systems are studied. Computer architecture and hardware operation are an integral part of the course. Prerequisite: PHY 331 or permission of instructor. Offered spring semester of odd years.

**ENP 332**  3 hours  
**Engineering Systems**  
Linear and nonlinear systems with analytical methods, modeling, forcing functions, response analysis, feedback, stability, control systems, mechanical and fluid systems, electrical systems, three phase circuits and machines, transmission lines, and communications. Matlab and Interactive Physics software tools are used. Prerequisites: ENP 252, MAT 431 or permission of instructor. Offered fall semester of even years.

**ENP 351**  3 hours  
**Thermodynamics**  
Course develops statistical mechanics and engineering thermodynamics. In the statistical portion, the microcanonical and canonical formalisms are developed as well as the three laws of thermodynamics. Covered in the engineering thermodynamics portion are: phase diagrams, properties, second law consequences and power, heat pump and refrigeration cycles. Some attention is given to heat transfer and fluid dynamics. The course contains a significant design project. Prerequisites: MAT 440, PHY 212. Offered fall semester of odd years.

**ENP 352**  3 hours  
**Materials Science and Solid State Physics**  
The structure, processing, and properties of engineering materials are studied with an emphasis on metallic systems. This includes: crystal structure, defects, diffusion, phase transformations, deformation mechanisms, strength and fracture toughness. Also covered are material selection, linear elastic fracture mechanics and dislocation theory. Course contains a significant research component. Prerequisite: ENP 252. Offered spring semester of even years.

**ENP 355**  3 hours  
**Fluid Mechanics and Water Flow**  
An introduction to the basic properties of fluids in motion. Topics include: Differential fluid equations, streamlines, continuity, energy and linear angular momentum, incompressible viscous flow, potential flow, Navier-Stokes equations, open channel flow, pipe flow, laminar and turbulent boundary layers. Prerequisite: ENP 252. Corequisite: MAT 431. Offered spring semester of even years.

**ENP 360**  1-4 hours  
**Independent Study**

**ENP 370**  1-4 hours  
**Practicum**

**ENP 431**  4 hours  
**Advanced Electronics and Microcircuits**  
Theoretical analog and digital VLSI microcircuits design principles are studied. Implementation and advanced design of digital programmable logic arrays and layout of analog microchips is performed in the lab portion of this course. Electronics topics also include Karnaugh maps and minimization, sequential logic and state machines, device modeling with computer-aided design, controllers, computer hardware, architecture, memories, and interrupt systems. Prerequisites: ENP 252, PHY 331. Offered spring semester of even years.
POLITICAL SCIENCE

Chair, Professor Hoffmann; Professor P. Loy

Political science examines the structure and the processes of government, contrasting philosophies about how government should be ordered as well as various opinions about what policies government should pursue and by what means.

Politics is present in all organizations. Public policy affects most areas of life, and knowledge of how the political process actually works is crucial for anyone who seeks to influence public life as leader or ordinary citizen. Political science majors often combine political science with another major or minor. Political science is an excellent preparation not only for law school, but for other professional schools including seminary.

Political Science

The bachelor of arts degree with a major in political science requires two years of one foreign language and a minimum of 32 hours including POS 211, 222, 232, 361, 362, 312 or 331 or 342, two hours of POS 460, 393 (3-4 hours) or ASP 310 (8 hours), and 3-8 hours of POS electives.

A minor in political science consists of 17 hours including POS 361.

Students planning to do graduate work in political science should take SOC 355 as well as POS 450 to deepen their knowledge of the scholarly literature in their fields of interest.

Political Science/Systems

The bachelor of science degree with a major in political science/systems consists of the 32-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 182; NAS 240 or MAT 352; SYS 200, 390, 392, 401 or 402; POS 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a C- or better.

Political Science Courses

POS 100 4 hours
American Politics
Primary emphasis is given to the relationship between the theories and ideals of democracy and the actual practice of making and implementing policy. The course considers the constitutional system as well as the institutions of American government.

POS 211 3 hours
World Politics
Surveys the development of the international political system and the relations among nation-states, international organizations and other entities. Gives special attention to war, conflict resolution and international law. Offered fall semester.

POS 222 3 hours
Comparative Politics
Provides a basic knowledge of the institutions and processes of selected major political systems in different regions of the world. Analyzes why some governments are more effective than others, focusing on political culture and the involvement of citizens in public life. Offered fall semester of even years.

POS 232 3 hours
Methods of Political Analysis
Designed as an introductory statistics course for political science majors, the course explores descriptive statistics and acquaints students with a variety of statistical tests through multivariate analysis. Offered spring semester.

POS 242 1 hour
Model United Nations
Prepares first-time participants for involvement in an intercollegiate simulation of international politics. Prerequisite: Permission of instructor. Offered fall semester.

POS 312 4 hours
Political Behavior
A description and examination of the voting behavior of the American people and opinions about candidates, political parties and public policy. Some attention is also given to the formation of public opinion in a democratic polity. Offered spring semester of odd years.

POS 321 3 hours
The Modern Middle East
A political history of Southwest Asia and North Africa in the 20th century. Special attention is given to the Arab-Israeli conflict and to the relationship between Islam and politics. Offered spring semester of even years.
### POS 325  3 hours  
**Ethics and American Foreign Policy**  
Uses case studies of major events in U.S. foreign relations since World War II to consider the relationship between morality and politics. Includes an overview of the process of making and implementing foreign policy within the U.S. government. *Offered fall semester of odd years.*

### POS 331  4 hours  
**Development of Public Policy**  
An extensive examination of the interaction between Congress and the Presidency in making public policy. The course focuses on major theories of public policy and examines governmental policy making from these perspectives. *Offered fall semesters.*

### POS 342  4 hours  
**Public Administration**  
An examination of the structure, function, organization and personnel of public administration. Emphasis is on American bureaucracy and the problems of public control and bureaucratic responsibility. *Offered spring semester of even years.*

### POS 360  1-4 hours  
**Independent Study**

### POS 361  3 hours  
**Classical and Christian Political Thought**  
Focuses on major thinkers and movements from Plato through the Reformation and its aftermath. Relates the classical and Christian traditions to politics today while introducing students to the foundations of Western political thought. *Offered fall semester.*

### POS 362  3 hours  
**Modern Political Ideologies**  
Examines varieties of liberalism, conservatism, and political thought through focusing on major philosophers and movements from Hobbes to post-modernism. *Offered spring semester.*

### POS 365  3 hours  
**Modern Russia**  
A survey of Russia under Communism and after. Gives particular attention to the relationship between Russian culture and democracy. Explores Communism, Christianity and nationalism as alternative sources of political belief and behavior. *Offered spring semester of odd years.*

### POS 372  5 hours  
**American Constitutional Development**  
Stresses the origin, adoption, and interpretations of the United States Constitution. Cases and readings on the powers of the federal government, judicial review, states rights, state police powers, federal commerce powers, and due process are analyzed. Prerequisites: HIS 120 and POS 100, or consent of the instructor. *Offered fall semester.*

### POS 393  1-4 hours  
**Practicum**

### POS 450  1-4 hours  
**Directed Research**  
Advanced work designed to enhance preparation for graduate school or to produce an academic paper.

### POS 460  1 hour  
**Political Science Seminar**  
A program of readings and student discussions designed to acquaint students with significant scholarly writings in a particular field of political science. Offered in four sections: American Politics, Comparative Politics, International Politics and Political Philosophy. Prerequisites: POS 100, 211, 222 or 361.

### IAS 493  4 hours  
**Senior Seminar**  
*Offered interterms.*

### PRELAW PROGRAM

**Professor P. Loy, advisor**

The best preparation for graduate training in the field of law is a regular four-year college course leading to the bachelor of arts degree. The major, chosen in consultation with the prelaw advisor, should be one that enhances reading, writing, and analytical skills.

As a supplement to the major, students may opt for a prelaw minor. The prelaw minor consists of 17 hours including BUA 311, CAS 331, POS 372, PRL 441, and PRL 442. Normally, the courses are taken during the junior or senior years. If, however, the student plans to participate in an off-campus program, such as the American Studies Program, it may be necessary to take one or two of the courses during the sophomore year. Students should consult with their academic advisor or the prelaw advisor about the best time to take the prelaw courses.

### Prelaw Courses

**PRL 441  3 hours  
Legal Studies**  
Designed for those who expect to attend law school. Students gain experience with the writing, reading, and critical thought levels expected of all law students. The course is taught by an attorney.

**PRL 442  3 hours  
Legal Thought**  
An overview of ancient, modern, and contemporary theories of the law. The course explores the nature of law and its relationship to politics, morality, and ethics. (Consent of instructor is required of all students who have not taken BUS 311 or POS 372.)

### PREMEDICAL TECHNOLOGY

See Natural Science.

### PREMEDICINE

See Biology, Chemistry.
ACADEMIC PROGRAMS

PSYCHOLOGY

TAYLOR UNIVERSITY UPLAND CATALOG 2000 - 2002

PSYCHOLOGY

Chair, Professor Cosgrove; Professors Lund; Maloney, Snyder; Assistant Professor Herrmann

Psychology involves the study of human and animal behavior. Each course seeks to integrate psychological data with major biblical beliefs. The aim of the department is to train Christian psychology students who upon graduation are prepared for further academic studies and/or professional responsibilities.

The bachelor of arts degree requires completion of two years of one foreign language. The bachelor of science degree must be combined with curriculum requirements in systems analysis. Psychology may also be selected as a primary or support area in the social studies education major (detailed curriculum guides are available from the education department).

Psychology

The bachelor of arts degree with a major in psychology requires 45 hours including PSY 110, 125, 140, 210, 250, 272, 310, 321, 393 or 450 (3-4 hours); IAS 493; and 15-16 elective hours from PSY 300, 330, 331, 340, 360, 370, 390, 400, 410, 411, 420, 422, 441, 461, 480, 490 to reach a total of at least 45 hours. PSY 200 and 240 may not count in the elective hours in the major.

Students who are anticipating attending graduate school are encouraged to take PSY 330, 422, 441, plus six more hours of courses that focus on their graduate interests as determined in consultation with a faculty advisor in addition to the core courses. Students who do not anticipate graduate school in their future are encouraged to take PSY 300, 370, 400, 411, and 461 in addition to the core courses.

A minor in psychology requires 18 hours including PSY 200 or PSY 110 and 15 additional hours in psychology. PSY 200 or 110 may not count in the elective hours for the minor.

Psychology/Systems

The bachelor of science degree with a major in psychology/systems consists of the 45-hour major and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or MAT 352 or PSY 330; SYS 200, 390, 392, 401 or 402; PSY 393 (3-4 hours); six additional systems elective hours from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a C- or better.

Psychology Courses

PSY 110 3 hours Foundations of Psychology
An historical and philosophical introduction to the discipline of psychology. Topics include worldviews in psychology, history of psychology, current perspectives in psychology, and models of integration of psychology and Christianity. Offered fall semesters.

PSY 125 2 hours Intrapsychic Psychology
The study of how to process the emotional dynamics of anger, guilt, anxiety, and grief while becoming mature, emotionally integrated social beings.

PSY 140 2 hours Applied Psychology
This is an introduction to practical uses and applications in psychology. Topics covered range from industrial psychology to legal issues. Offered spring semesters.

PSY 170/370 1-4 hours Selected Topics

PSY 200 3 hours Introduction to Psychology
An introduction to the subject matter and methods of psychology. Topics on human development, personality, learning, sensation, perception, motivation, emotion, mental health, and social psychology are considered.

PSY 210 2 hours Ethics in Psychology
A study of various models of ethics with a desire to develop a Christian model. The Christian model is then applied to various issues in counseling, psychopathology, research, human development, law, and educational psychology. Offered fall semesters.

PSY 220 3 hours Sport Psychology
This course investigates the interpersonal, societal, and cultural variables that surround athletics and sports in our contemporary culture. Topics include personality variables of the successful athlete; anxiety and arousal in sports as well as strategies to assist in the control of these states; motivation; casual attributions for success and failure in athletes and coaches; role of the direct and indirect contexts of sports and competition; and exercise psychology. Offered every other spring semester.

PSY 240 3 hours Child Psychology
This course deals not only with the subject matter of developmental psychology (such as cognitive development, physical development and socio-emotional development) but also attempts to apply the subject matter to those actively working with children such as parents, teachers, coaches, etc.

PSY 250 4 hours Life Span Development
This course is designed to provide a general overview of the developmental process in humans from conception through death and dying. Included is attention to the physical, emotional, cognitive and social developments.

PSY 272 3 hours Research in Psychology
Research methods in psychology are studied and critiqued. Students are involved in practical research and writing assignments. Prerequisite: 3 hours in psychology. Offered fall semesters.

PSY 300 4 hours Abnormal Psychology
A study of the nature, causes, and treatment of maladaptive behavior with special consideration given to the symptoms and dynamics of psychological disorders. Prerequisite: 3 hours in psychology.

PSY 310 3 hours Integration of Psychology and Christianity
An examination of the relationship between psychology and Christian beliefs about human nature. Topics involve the presuppositions of modern psychology, the Christian view of man, and tension areas between psychology and theology. Prerequisite: 3 hours in psychology. Offered spring semesters.
PSY 321 3 hours
Social Psychology
A study of how the thought, feeling, or behavior of individuals is influenced by the actual, imagined, or implied presence of others. Topics include cooperation and competition, aggression, attitudes and their change, affiliation, and conformity. Prerequisite: 6 hours in psychology. Offered fall semesters.

PSY 330 4 hours
Statistics and Design in Psychological Research
An introductory course that surveys common statistical concepts in psychological research. It also examines and critiques the major research designs used in psychology today. Prerequisite: 3 hours in psychology.

PSY 331 3 hours
Biblical Psychology
A survey of biblical teaching on the nature of man, its relationship to emotional problems, and solutions to those emotional problems.

PSY 340 3 hours
Adolescent Psychology
This course deals with the problems of adolescence including peer pressure and conformity, adult-adolescent conflicts, problems growing out of cognitive changes, adjustments to physical changes, struggles with identity, etc. Current issues such as drug and alcohol use and teen sexuality are discussed. The focus is on a practical application of research literature with an integration of biblical principles. Offered spring semesters.

PSY 360 1-4 hours
Independent Study

PSY 390 3 hours
Christian Marriage
A practical and applied course that integrates psychological literature and biblical teaching in the subject areas of the marriage relationship. These areas include marriage foundations, dating and engagement, premarital sexual behavior, singleness, mate selection, marriage success and satisfaction, love and infatuation, marriage roles, communication and conflict, and divorce.

PSY 393 1-4 hours
Practicum

PSY 400 3 hours
Theories of Personality
A study of the major current systematic psychological theories of personality. Consideration is given to their underlying assumptions and usefulness for research and therapeutic practice. Prerequisite: 6 hours in psychology or social work. Offered fall semesters.

PSY 410 3 hours
Motivation
This course is designed to provide the basic theoretical models of motivation (biological, drive, need, social, etc.), as well as to examine some current applications. Areas examined may include business, athletics, academics, and religion. Ethical concerns are included. Prerequisite: 6 hours in psychology. Offered spring semesters.

PSY 411 3 hours
Learning: Theory and Application
The study of major learning theories and their application to advertising, education, counseling, and daily problems of life. Prerequisite: 6 hours in psychology.

PSY 420 3 hours
Cognition
The scientific study of the cognitive functions of memory, attention, perception, learning styles, imagery, decision making, problem solving, and metacognition with application for implementing this information. Prerequisite: 6 hours in psychology. Offered spring semesters.

PSY 422 3 hours
Psychological Testing
A study of the principles of psychological testing, considering both the theoretical and practical foundations underlying the construction, use, and interpretation of various psychometric instruments. The student is given opportunity to administer, score, and interpret selected instruments. Prerequisite: 6 hours in psychology including PSY 330. Offered spring semesters.

PSY 423 3 hours
Physiological Psychology
A study of the neurophysiology underlying human behavior. Emphasis is given to central nervous system mechanisms that mediate sensation, consciousness, learning, motivation, and emotional behavior. Prerequisite: 6 hours in psychology. Offered spring semesters.

PSY 450 1-4 hours
Directed Research

PSY 461 3 hours
Fundamentals of Counseling
An analysis of the major theories and approaches to counseling, correlating them with counterpart theories of personality and learning. Each major theory is dealt with in the light of biblical revelation. As a result, the student is encouraged to formulate a tentative theory of counseling consistent with biblical truth. Prerequisite: 6 hours in psychology including PSY 300. Offered fall semesters.

PSY 480 1-4 hours
Seminar

PSY 490 1-2 hours
Honors

IAS 493 4 hours
Senior Seminar
SOCIAL WORK

Chair, Associate Professor Lee; Associate Professor Harner; Assistant Professors Powell, Susan

Social work is one of the major human service professions focused on enhancing the social functioning of individuals, families, groups, organizations and communities. Services are provided to all people with particular emphasis on disadvantaged populations. A variety of practice settings including hospitals, family and children's service agencies, schools, residential facilities, health care facilities, home-based services, business and industry, mental health agencies, and developmental disabilities agencies are used as service learning experiences.

The goals of the social work program at Taylor are (1) to prepare baccalaureate level social workers for beginning-level generalist practice, (2) to prepare students for graduate social work education, and (3) to integrate Christian principles with professional social work values and ethics. The social work curriculum includes five content areas: human behavior and the social environment, practice, policy, research, and field instruction.

Taylor's social work program is accredited by the Council on Social Work Education (CSWE) and offers a bachelor of arts (includes language requirement) or bachelor of science degree in social work. Graduates are prepared to apply for state credentialing (licensure, certification, or registration) as a beginning-level social work practitioner in most states.

Entrance and Graduation Requirements
Entry into Taylor's social work education program begins during the sophomore year when students (1) satisfactorily complete the pre-entry courses SWK 200, 231, SOC 100, and PSY 200; (2) complete a minimum of 30 hours of volunteer experience, preferably at a social services agency; (3) receive the approval of the social work education department.

Social Work Courses

SWK 200 3 hours
Explorations in Social Work
An initial exposure to the field of social work by exploring what social workers are, what social workers do, and the settings in which they work. Examination of the knowledge, values, and skills base; practice settings, educational and career opportunities, and the interrelationships between social work and social welfare in the United States. Opportunity is given for the student to explore his/her own interest in and potential for a career in social work. Open to all students.

SWK 231 3 hours
Social Welfare: Historical Perspectives and Development
Follows the development of social welfare efforts from early civilizations to the present time. Focuses on the emergence of the profession of social work. Explores the question: "Am I my brother's keeper?" in the light of biblical principles. Co-requisite: SWK 200. Offered spring semesters.

SWK 320 3 hours
Unleashing the Oppressed
This course is designed to provide the student with the necessary knowledge, values, and skills to empower people who fall into "at-risk population" groups. Those groups, who are at-risk for prejudice and discrimination typically include mental disability, developmental disability, women, elderly, sexual orientation, and religious diversity. Open to all students. Offered fall semester of odd years.

SWK 330 3 hours
Issues in Aging
Overview of aging and gerontology including principles of interaction, application of research, and formulation of policies. Biological, sociological, and psychological characteristics of later adult development, the impact of environment, and the service delivery systems are explored and integrated. Gender, racial, and ethnic issues are addressed, and international perspective introduced. Open to all students. Offered fall semester of odd years.

SWK 340 3 hours
Working with Children
Overview of knowledge base important to effective interactions with children and adolescents. Socialization, development, welfare systems and services, legal systems, special
populations, and international comparisons are studied. Application to work settings are made through readings, role plays, and personal experiences. Open to all students. Offered fall semester of even years.

SWK 351 3 hours
Social Work Process and Practice I
First in a four-course practice sequence designed to provide the student with the necessary knowledge, values for ethical decision making, and skills to equip the student for successful practice at the generalist social work practitioner level. Develops understanding of the nature and process of social work practice, principles, and techniques of the change process. Develops the student’s ability for self-awareness and for understanding the nature of clienthood. Prerequisites: CAS 110 or 120, SWK 200, SOC 100, and PSY 200. Open only to social work majors. Offered fall semesters.

SWK 354 3 hours
Social Work Process and Practice II
Second in the four-course practice sequence. Enables further development of generalist social work skills with various client systems. Areas of group dynamics, ethical issues, developmental levels, and diversity are emphasized. Participation in a group experience is required. Prerequisite: SWK 351. Offered spring semesters.

SWK 355 3 hours
Helping Troubled Families
Introduces family systems theory as well as the history and development of family interventions. Presents the major approaches of working with families and provides the opportunity to role play application of these approaches. Open to all students. Offered fall semesters.

SWK 360 1-4 hours
Independent Study

SWK 362 3 hours
Social Policy
Expands upon the concepts developed in Social Welfare and Public Policy to include social welfare policies that exist in today’s society and how they impact those most dependent on social programs. Examines social programs in light of the problems they address, the service they provide, and their effectiveness. Addresses contemporary social issues in light of public funding decisions. Prerequisites: POS 331 and SWK 231. Offered spring semesters.

SWK 370 1-4 hours
Selected Topics

SWK 380 3 hours
Understanding Death and Dying
Provides a basic introduction to crucial issues and biblical principles related to death and dying. Cross-cultural and varied other perspectives (victim, survivor) are explored. The role of social institutions and services to persons affected by death and dying is presented. A contemporary issue related to death is researched and presented. Open to all students. Offered spring semester of even years.

SWK 393 4 hours
Junior Practicum
During the interterm of the junior year, students spend time in a social work setting learning how an agency functions, how professional social work practice is implemented, and how the professional interacts within an agency. This 140 hour field lab provides the student the opportunity for observation and practice. Prerequisites: SWK 351, and approval of the Junior Practicum coordinator. Pass-fail only.

SWK 44 3 hours
Human Behavior and the Social Environment
Focus on the interrelatedness of the biological, psychological, social, cultural, and environmental factors in human growth and development and their relevance and application to social work practice. Various theoretical approaches are explored and applications made to a variety of populations. The impact of culture and chemical dependency is integrated throughout. Prerequisites: BIO 244, 245; SWK 362, 354. Offered fall semesters.

SWK 451 3 hours
Social Work Process and Practice III
The third in the four-course generalist social work practice sequence. The social work planned change process is applied to communities and organizations. Emphasizes integration of policy, practice, and human behavior/social environment issues. The impact of racial and ethnic differences on community functioning is addressed, and practical applications are stressed. Prerequisite: SWK 354. Offered fall semesters.

SWK 452 3 hours
Advanced Social Work Practice
Last in the four-course sequence for developing generalist practice skills. The professional helping relationship and interview process are emphasized. Simulated client-worker situations provide opportunities to practice skills. Employment interviews and strategies are also discussed. Beginning-level professional writing skills are developed through documentation exercises. Prerequisite: SWK 354. Offered fall semesters.

SWK 480 1-4 hours
Seminar

SWK 490 1-2 hours
Honors

SWK 492 12 hours
Senior Practicum
A professional semester of supervised field practicum in a social work setting. 480 hours. Prerequisite: Completion of all required courses in the social work major. Offered spring semesters.

IAS 493 4 hours
Senior Seminar

SYSTEMS
See Computing and System Sciences.
SOCIOMETRY

Chair, Associate Professor M. Jessup;
Associate Professor Bird

It is the goal of the sociology department to prepare students for graduate study, employment, and effective Christian participation in a variety of social settings ranging from the family and peer groups to churches and large multinational corporations.

Sociology concentrates attention on the basic processes of social interaction that result in human personality and society. The behavior of humans in groups and organized systems such as the family, work, and government is studied. Sociology also looks at the way human behavior is regulated and standardized around major societal values as compared with biblical standards and values.

Sociology

The bachelor of arts degree with a major in sociology requires two years of one foreign language and 38-40 hours in the major. The 21-hour sociology core includes SOC 100, 220, 350, 355, 361 or 365, and IAS 493. In addition, the major requires 17-19 hours in one of the following four concentration areas.

Community and Urban Development (18-19 hours): SOC 410; CUS 312, 322, 393; one 3-hour elective course from SOC 210, 310, 330, 360, 381, 420, 450; one 3-4 hour elective course from CED 392, POS 331, SWK 320, CUS 310, CUS 320. This concentration area offers students the opportunity to learn about urban life through classroom study and field experience. All students with a focus on community and urban development must complete an internship at the Christian Center for Urban Studies at the Olive Branch Mission in Chicago or the Urban Semester in Fort Wayne.

Family Studies (18 hours): SOC 381, 420; PSY 250; SWK 340, 355; one 3-hour elective course from SOC 210, SOC 310, SOC 330, SOC 360, SOC 393, SOC 410, SOC 450; CED 221, PSY 240, PSY 340, PSY 390, SWK 330, SWK 380. This concentration area is interdisciplinary, integrating sociology, psychology, and social work. It focuses on understanding human behavior through the family life cycle.

Professional Studies (18 hours): SOC 361 or 365 (if not used in the major core), 450; and four 3-hour elective courses from SOC 200, 210, 310, 330, 360, 381, 410. This concentration area prepares students for graduate work in sociology. Students concentrate on sociological theory, research methods, and statistics.

Applied Sociology and Technology (17-18 hours): SOC 420, 450; three 3-hour electives from SOC 310, 330, 360, 381, 393; one 2-3 hour elective from BUA 362. This concentration provides students with critical thinking and research skills needed in today's ever-changing world. It emphasizes the practical uses of contemporary social systems.

The sociology minor requires 18 hours including SOC 100 or 210, 361 or 365, and 12 hours of SOC electives.

Sociology/Systems

The bachelor of science degree with a major in sociology/systems consists of the 38-40 hour major requirement and curriculum requirements in systems analysis including COS 120, 240 or 250; IAS 330; MAT 151, 382; NAS 240 or SOC 355; SYS 200, 390, 392, 401 or 402; SOC 393 (3-4 hours); six additional systems electives from COS 310, COS 320, COS 382, MAT 230, MAT 240, MAT 372, MAT 392, MAT 412, MAT 431, SYS 210, SYS 394, SYS 401, SYS 402. Courses selected for the six additional hours must be in addition to those required elsewhere in the major or systems. All systems curriculum courses must be completed with a C- or better.

Sociology Courses

SOC 100 3 hours Introduction to Sociology
A study of the principles and concepts of sociology in the context of present day social systems. Attention is given to major contemporary analyses of social events, processes, and institutions.

SOC 200 3 hours Cultural Anthropology
An introduction to the principles of cultural anthropology including the analysis of major anthropological theories and concepts and an examination of social institutional arrangements in small-scale societies.

SOC 210 3 hours Contemporary Social Problems
An introduction to the study of social problems from several perspectives. Problems in areas such as drug abuse, crime, education, and the family are examined in the light of basic principles of sociology.

SOC 220 3 hours Ethnic and Minority Issues
An analysis of inter-group relations in the United States. Topics include a consideration of the mechanisms of group interaction between dominant and subordinate groups and the experiences and histories of the primary minority groups in the United States.

SOC 310 3 hours Religion and Society
An examination of the cultural and structural influences that guide the forms religion takes in society and the processes through which religious ideas, behaviors, and institutions are constructed. Attention is given to the sociological theory and research that underlies religious behavior.

SOC 330 3 hours Social Change and Social Movements
This course focuses on the basic premises of social change, including the evolutionary, conflict, and cyclical theories of social change, and the organized activities of collective behavior and social movements that encourage or discourage social change. Special attention is given to the theoretical contributions of the structural strain, resource mobilization, and social constructionists' perspectives.

SOC 350 4 hours Social Research Methods
An exploration of the primary methods of social research and data collection. Topics include defining a research question and design, and data collection from operationalization to data entry.

SOC 355 4 hours Applied Social Statistics
An introduction to statistical analysis for social research issues. The course focuses on the uses of statistics, choosing appropriate statistics for a given problem, and interpreting statistical output. SOC 350 is recommended as a prerequisite.
**SOC 360** 1-4 hours
Independent Study

**SOC 361** 3 hours
History of Social Thought
Primary emphasis is placed upon the contributions of sociologists since the time of Comte. The writings and concepts of leading sociologists in both Europe and America are studied. Offered fall semester of even years.

**SOC 365** 3 hours
Contemporary Social Thought
An analysis of social theory as it is practiced today. Building on the classical works of Marx, Durkheim, Weber, Simmel, and Mead, this course focuses on how modern sociologists have incorporated the classical writers to explain social developments. Special attention is given to postmodernists, social constructionists, functionalists, neo-Marxists, neo-Weberians, and leading feminist thinkers.

**SOC 370** 1-4 hours
Selected Topics

**SOC 381** 3 hours
Human Sexuality and Family Systems
A study of the changing state of family systems in America. The course also examines how work, social class, ethnicity, and gender affect family structure and function.

**SOC 393** 1-4 hours
Practicum

**SOC 410** 3 hours
Community and Urban Affairs
Consideration of problems relating to community structure, development, and process beginning with a historical overview of the development of cities. Special emphasis is placed upon the interrelationships of various groupings within communities, particularly within the urban scene. A field trip to a major urban center provides "hands-on" learning. Prerequisite: SOC 100, 210, or approval of instructor.

**SOC 420** 3 hours
Bureaucracy and Formal Organizations
A study of the social dynamics that guide and shape bureaucratic organizations in modern societies. The class analyzes the organizational theories and applies them to organizational settings.

**SOC 450** 1-4 hours
Directed Research

**SOC 490** 1-2 hours
Honors

**IAS 493** 4 hours
Senior Seminar
ADMISSIONS
FINANCES
THE APPLICATION PROCESS

Through the Admissions Office, prospective students may obtain information on how to become involved in Taylor's unique educational experiences, which reinforce scholarship in the liberal arts tradition, Christian commitment and awareness, and concern for career development.

Secondary School Preparation

Applicants to Taylor University should have graduated from an accredited secondary school and present satisfactory aptitude test scores. Aptitude test scores are used to help interpret a student's high school transcript, the primary document in the evaluation of academic potential. Recommendations from a guidance counselor and pastor are important, as are a student's achievements in co-curricular activities, but none of these materials are an acceptable substitute for academic achievement. Applicants should have pursued a challenging college preparatory course load, including four years of English, three or four years of mathematics, three or four years of laboratory science, and two years of social science. Two years of foreign language are recommended. Also encouraged are introductory courses in music and art, skill courses in typing/keyboarding, and basic computing.

Required credentials include the application form, a personal statement of faith, high school transcript (GED may also be accepted), recommendations from a guidance counselor and pastor, and aptitude test scores (either SAT or ACT). For test scores to be considered official, they must be sent to the Admissions Office either through a high school guidance counselor or from the College Entrance Examination Board or the American College Testing Service. An official campus visit and personal interview are essential components of the decision making process. Interviews and visits must be completed by January 15 of the applicant’s senior year to be considered in evaluating an application for the February 15 notification.

Specific admissions requirements may be obtained from the Admissions Office.

Application Procedures

Students may apply to Taylor University anytime after the completion of their junior year, but should apply early in the academic year preceding their desired enrollment. Application materials may be requested by phone or by writing the Admissions Office, Taylor University, 236 West Reade Avenue, Upland, Indiana 46989-1001.

Application Review

Admission to Taylor University involves a two-stage process:

- During the first stage of the review process, applications are assessed carefully to determine if they meet minimum requirements for admission to the university. Qualified students then continue to the second stage of the review process.

- During the second stage of the process, students from the pool of qualified applicants are selected for admission. Selection is based on a comprehensive review of the materials received. Academic preparedness, spiritual depth, and unique contributions to the community are important factors that are considered.

Decisions and Notification

Prospective students will receive one of three types of notification:

- Standard Notification: Students are notified of their application status by February 15 of their senior year. To be considered for this notification date, students must have their application completed by January 15. Students are encouraged to complete their application as early as possible. An interview is required. Students who apply after January 15 of their senior year are considered for admission as space permits.

- Early Notification: A select group of applicants who have completed their applications early in the fall (including an interview) are considered for limited fall acceptances. Early notification takes place throughout the fall of the applicants’ senior year.

- Denial: The review committee may feel that a student’s success at Taylor is in question and that a denial is in the best interest of the student. In such cases, students are notified by mail of the committee’s decision. Details regarding this policy may be obtained from the associate vice president for enrollment services.

Waiting Pool

Qualified students who have not been accepted by February 15 are placed in a waiting pool. If significant cancellations occur, students are accepted from the waiting pool based on their overall evaluation.

Matriculation Fee

Matriculation fees are required for the following terms:

- Fall: All applicants accepted for the fall semester are required to submit a $200 matriculation fee ($150 toward tuition and $50 housing deposit) that secures the student’s place in the student body and begins the housing process. Students not living in university housing must submit a $150 matriculation fee. All new students are required to live on campus unless they are commuting from their parents’ home. The matriculation fee deadline for fall admission is May 1. A new or readmitted student who cancels prior to May 1 will receive a full refund.

- Spring: Students applying for the spring semester may pay their $200 matriculation fee anytime after they have been accepted. A new or readmitted student who cancels prior to November 1 will receive a full refund.

- Summer: Students enrolling for summer school may pay their matriculation fee of $20 upon notification of acceptance. A new or readmitted student who cancels prior to the first day of classes will receive a full refund. All refund requests must be submitted in writing.

Guest Status

Students are considered guests when they are not seeking a degree from Taylor University and fall into one of the following categories:

1. Students who desire to take one or two courses at Taylor for the specific purpose of transferring the credit earned to another institution.
2. Those high school students who wish to take college courses and apply these hours to credits-in-escrow.

3. Those students who attend one of the Christian College Consortium schools and desire to compliment their preparation with course work at Taylor.

4. Those individuals who wish to take one or two courses solely for the purpose of self-improvement.

Guest students may earn no more than 24 credit hours with this status. Transfer credit is not accepted while the student holds guest status. Students who wish to apply credits toward a degree must apply for regular admission to the university through the Admissions Office.

Honors Acceptance
This admissions classification is designed for the academically gifted. Any incoming freshman awarded this status must have a 3.70 high school grade point average, rank in the top 10 percent of the student’s graduating class, and have a combined SAT score of 1200 or more and/or ACT score of 27 or higher.

Provisional Acceptance
This admissions classification is for applicants who, because of unusual circumstances, do not meet the minimum academic standards for regular admission. Students admitted under this classification must earn a grade point average of 1.70 during the first year as a full-time student in order to remain at Taylor. Students accepted under this classification are given a prescribed schedule (less than 15 hours) and are assigned an advisor from the Learning Support Center. Please contact the Admissions Office for additional information.

Transfer Students
Transfer students must submit the standard application form, a high school transcript, a pastor’s recommendation, and an official transcript from each institution previously attended. Generally, a B-average is required. In addition, Taylor’s Transfer Verification Form, which includes a request for a report of good standing, must accompany the transcript from the last college attended. The Transfer Verification Form is available from the Admissions Office. Standardized test scores are not required if a full term of college work has been successfully completed.

See Academic Regulations for information regarding the transfer of credit to Taylor University.

Credits-in-Escrow
Junior and senior high school students may enrich and expand their educational experiences by enrolling at Taylor University on a space available basis for the fall and spring semesters. Students may take one or two classes per semester. Full college credit is awarded for all courses satisfactorily completed according to the university’s established requirements and procedures. Escrow credits earned at Taylor may be transferred to any college.

Senior Citizens Program
A senior citizen’s discount is available to persons who qualify and complete a guest application with the senior citizen designation. The applicant must register for the desired courses and pay the appropriate charges at the time of registration. Persons sixty years of age or older may have the senior citizen designation and the resulting tuition discount when taking courses at Taylor.

International Students
International students desiring admission should provide the following for consideration:

- TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test. Scores must not be more than two years old. When registering, students should indicate code 1802 to have the scores sent directly to Taylor. The TOEFL may be waived if the student is a citizen of Great Britain, Australia, Canada, New Zealand, or the British West Indies or if the student has studied in one of the above-mentioned countries or in the United States within the last two years and has a good academic record.

- Certificate showing completion of secondary school, including the results of any examinations. Official English translations of the certificates are required.

- SAT or ACT scores. These scores are recommended for students who wish to be considered for merit scholarships.

An application will not be evaluated until the student submits a completed application (including essays), completed recommendation forms, official academic records and test scores, TOEFL scores, an affidavit of support, and a signed Life Together Covenant.

International students have to show evidence of financial support before full acceptance can be granted. The Form I-20 will not be issued until documentation showing sources of financial support is submitted. International students may work on campus part time during the academic year, but the income generated will not be sufficient to cover education costs.

Advanced Placement or Credit by Examination
To seek advanced standing or college course credit, an applicant may take an Advanced Placement Examination administered by the College Entrance Examination Board. Students who have passed an Advanced Placement Examination may be eligible for placement at the next level of the college sequence and may receive college credit if the overall quality of their performance merits such recognition. Score levels vary between subjects; score levels considered passing may be obtained from the director of testing.

Advanced credit may also be gained through the subject exams of the College Level Examination Program (CLEP). Complete information regarding advanced placement may be secured from the director of testing or the registrar.
STUDENT EXPENSES

Students attending Taylor University are paying only a part of the actual cost of their education. Each student receives an educational subsidy to the extent that the amount billed is less than the institution's cost of providing the educational experience. Income from contributions, earnings on the endowment, grants, and other sources offsets the total cost of a Taylor education in the determination of student costs.

The college reserves the right to increase rates if and when necessary.

Annual Costs
Refer to the Taylor University Tuition and Fee Schedule for the current costs for an academic year. This publication is available in the Controller's Office.

Other Charges
Certain classes may require the student to purchase materials for specific projects or may require a basic materials charge. These costs vary by course and cover only the materials used by the individual student. Certain other charges are assessed for courses requiring private or special instruction and for administrative costs for special services and transportation.

Advance Payment
All returning students are required to pay an advance payment of $100 to secure their registration for fall semester. Advance payment is due by June 1. Refund of the $100 advance payment to returning students is granted as follows: through June 30, a full refund will be granted; July 1-14, a return of $75 will be given; July 15 and after, no refund will be granted.

College Level Examination Program
An examination fee is charged for each test administered, and an additional cost exists for each hour of college credit awarded.

Advanced Placement Credit
A fee is assessed for each hour of college credit awarded.

Student Insurance
Taylor University requires all students to carry health insurance. Taylor University facilitates an insurance program which is available to all students to help meet the requirement. If health insurance is covered via another method (i.e. parent coverage or other plan), the insurance may be waived by written confirmation. Coverage is available for single students, for husbands and wives, and for families. Rates are available upon request from the Controller's Office.

Late Registration
A reinstatement fee of $25 is charged to returning students who have not registered by the end of the appropriate registration period.

Payment of Bills
The bill for fall semester is mailed to preregistered students at their permanent address approximately three weeks prior to the beginning of the fall term. Charges for interterm are included on the billing for spring term, which is mailed approximately two weeks prior to the beginning of interterm. One copy is mailed on campus and one to the permanent address. Preregistered students are required to make the minimum payment two weeks prior to the first day of spring semester. To be enrolled in classes, students not preregistered must make the minimum payment on the day they register.

Payment of the amount due for each term may be handled in one of the following ways:

- Payment in full: Required of all full-time students unless one of the following options is secured. Payment in full is required of all students carrying six hours or less.
- Tuition Management Service (TMS): This method of payment provides for monthly payments beginning in May, June, or July in anticipation of fall enrollment. There is a nominal one-time fee, and there are no interest charges for this service. Full TMS guidelines are available from the Controller's Office.
- Special arrangements: Hardship cases must be worked out in writing in advance with the Controller's Office.

Additional information may be found in the Tuition and Fees Schedule. This publication is available in the Controller's Office.

Taylor charges interest based on the following policy: Any balance of fees not paid by the due date or deferred pursuant to one of the payment options described above will be subject to an annual percentage rate of 13 percent.

All accounts must be paid in full before a student can attend another academic term or receive transcripts or diplomas.

Emergency Funds
Two emergency funds are available for student use. The Taylor University Emergency Loan is a short-term loan that permits a student to borrow up to $300 for a period of 60 days for school-related purposes. For more information, contact the Controller's Office.

The Taylor Parents Association raises financial resources each year to be allocated for student emergencies. Medical costs not covered by insurance and emergency travel in case of death or severe sickness of immediate family are two of the most frequent reasons for allocations of this fund. Other emergency costs will be considered. Contact the dean of students for more information.
University Withdrawal Procedures

Withdrawal forms may be secured from the receptionist in the Office of Student Development.

In cases of withdrawal of full-time students from the university, refunds of student charges for tuition and room and board are based on the refund schedule (exceptions may apply to first-time students receiving financial aid).

Basic fees are nonrefundable. No refund will be given for withdrawals after the end of the sixth week.

Refunds are based on the total term bill and on the date the official withdrawal form is completed. The matriculation fee and housing deposit are forfeited for students who complete registration but must withdraw before May 1. Any deviations from the refund policy are at the discretion of the vice president for academic affairs and the vice president for student affairs.

If a student is receiving financial aid, funds will be returned to the aid source(s) according to the Taylor University refund and repayment policy. Copies of this policy (including calculation examples) are available upon request from the Financial Aid Office.

Refund Schedule

<table>
<thead>
<tr>
<th>Withdrawals to the end of</th>
<th>Tuition</th>
<th>Room</th>
<th>Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>*First week</td>
<td>90%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Second week</td>
<td>90%</td>
<td>0%</td>
<td>Prorated</td>
</tr>
<tr>
<td>Third week</td>
<td>75%</td>
<td>0%</td>
<td>Prorated</td>
</tr>
<tr>
<td>Fourth week</td>
<td>60%</td>
<td>0%</td>
<td>Prorated</td>
</tr>
<tr>
<td>Fifth week</td>
<td>45%</td>
<td>0%</td>
<td>Prorated</td>
</tr>
<tr>
<td>Sixth week</td>
<td>20%</td>
<td>0%</td>
<td>Prorated</td>
</tr>
<tr>
<td>Seventh week</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

* through Monday following the first weekend of the term

FINANCIAL AID

The financial aid programs at Taylor recognize that it is the basic responsibility of students and their families to finance a college education. However, the rising cost of education has made it necessary for many students to enlist financial assistance outside their personal resources. Financial aid can help many qualified students attend Taylor regardless of financial circumstances.

The financial aid programs offer assistance to students in need in the form of scholarships, grants, loans, and employment. Financial aid is awarded primarily on the basis of financial need, except in the case of merit scholarships that require superior academic achievement and ability. If the student's aid package is based on financial need, the total aid package (including merit and outside scholarships) cannot exceed the student's financial need.

Financial need is defined as the difference between a family's resources and the total cost of attending college. If a difference exists between the total cost of attending Taylor (including all tuition, fees, room, board, books, supplies, and personal expenses) and the ability of the family to meet these educational costs, the student is determined to have financial need. An evaluation of financial need includes consideration of the parents' and student's income and assets, family size, and number of family members in college.

To determine the extent of the student's financial need and the family's ability to pay for educational expenses, Taylor uses the Free Application for Federal Student Aid (FAFSA) and the Taylor University Financial Aid Application. An analysis of these statements yields the amount that the family is expected to contribute.

Enrollment in a program of study abroad — approved for credit by the Registrar's Office for a student's degree from Taylor — may be considered enrollment at Taylor as the home institution for the purpose of applying for and receiving federal aid. Contact the director of financial aid for specific details.

Students who plan to enroll on a part-time basis should consult the director of financial aid about the availability of financial aid programs. It should be noted that many aid programs require that a student be enrolled full time (a minimum of 12 credit hours per semester).

To continue to receive need-based financial aid, a student cannot be on extended academic probation and must meet the criteria established in the Taylor University Satisfactory Academic Progress Policy. Copies of this policy are available upon request from the Financial Aid Office. Satisfactory academic progress for financial aid applicants/recipients shall be measured both qualitatively and quantitatively. In order to maintain eligibility to receive financial aid, the maximum time period for a full-time student to complete his/her course of study shall be the equivalent of five academic years or until he/she has completed graduation requirements of a bachelor's degree, whichever period is less. The maximum number of terms students transferring to Taylor University may receive financial aid will be prorated based on their entering enrollment status.

Students enrolled on less than a full-time basis are subject to the above standards applied proportionally to their credit hour load.

How to Apply for Financial Aid

Students should begin the application process for financial aid as soon as possible after January 1. Those only interested in merit-based programs need not submit any financial aid forms. The Financial Aid Office automatically awards merit-based scholarships after receiving the students' SAT scores and class rank information from the Admissions Office.

In order to receive need-based financial aid, these steps must be followed:

1. Be accepted for admission to Taylor University. Students may apply for financial aid prior to their acceptance at Taylor, but financial aid will not be awarded until acceptance is finalized. Please note that transfer students must indicate Taylor University as a recipient of their Free Application for Federal Student Aid (FAFSA) information and have their financial aid forms postmarked by March 1.

2. Complete the FAFSA as soon as possible after January 1 and mail it to the processor. Also complete the Taylor University Financial Aid Application and send it directly to the university's Financial Aid Office. Both forms must be postmarked by March 1 in order to be considered for need-based institutional aid. A certificate of mailing should be acquired from the post office as proof of postmark. Students whose forms are
postmarked after this date will only be eligible for the Federal Stafford Loan, Federal Pell Grant, Federal PLUS funds, and non-need merit-based aid. Please also consider the following:

a. The FAFSA may be picked up in high-school counseling offices or university financial aid offices. The Taylor University Financial Aid Application is only available from the Taylor Financial Aid Office.

b. In order to avoid unnecessary delays in processing, the Taylor Financial Aid Office strongly recommends that a family complete its income tax returns before completing the FAFSA. However, if this is not possible, the FAFSA must be completed using estimated tax information in order to meet the deadline.

c. The release of information to Taylor University should be clearly requested on the FAFSA (code # 001838).

d. Additional forms may be required in order to receive state aid from Pennsylvania, Vermont, Alaska, Rhode Island or Massachusetts. Students should check with their high-school guidance officer regarding which forms are required by their state.

e. In order for Indiana residents to be considered for state aid, their FAFSA must be postmarked by March 1. No other form is required.

In order to receive timely consideration in the awarding of financial aid, please submit the indicated forms and respond promptly to requests for any additional information or documentation.

**Merit-Based Awards**

Merit-based awards are presented to students who demonstrate outstanding scholarship. Financial need is not considered for this type of aid. Taylor provides four different types of these awards:

- **The President’s Scholarship** requires a minimum SAT composite of 1300 or ACT score of 29, plus rank within the top 10 percent of the high school class (or have a high school cumulative grade point average of 3.8/4.0 if the high school class is less than 100 or the high school does not rank its students). It is renewable if the student maintains a 3.2 gpa. The amount is 15 percent to 25 percent of tuition.

- **The Dean’s Scholarship** requires a minimum SAT composite of 1200 or ACT score of 27, plus rank within the top 15 percent of the high school class (or have high school cumulative gpa of 3.5/4.0 if the high school class size is less than 100 or the high school does not rank its students). It is renewable if the student maintains a 3.2 gpa. The amount is 10 percent to 15 percent of tuition.

- **Class Merit Awards** are given to the top 15 students, by gpa, in each grade level who are not already receiving a renewable Taylor University merit scholarship. Awards range from $500 to $1000 per year.

- **Taylor University National Merit Scholarships** are awarded up to four National Merit Finalists per year. Awards range from $1000 to $2000 per year.

**Need-Based Awards**

The FAFSA and Taylor University Financial Aid Application determine need-based awards:

- **The Taylor University Gift Grant** is given to students with financial need who meet individual criteria as stipulated by donors. These criteria may include a specific major, gpa, and/or area of residence. The total aid package may not exceed the financial need.
• The only criterion for the Taylor General Grant is financial need. These awards are in addition to loans and earnings from work-study.

• The maximum amount for the Taylor University Loan is $1,500 per year according to financial need; repayment with a 7 percent interest rate begins six months after the student leaves school. This long-term, low-interest loan program is designed to assist students who demonstrate financial need as determined by the FAFSA and Taylor University Financial Aid Application. Repayment and interest on this loan begin after a student ceases to be enrolled on at least a half-time basis at Taylor. These loans, which are made possible through the generous contributions of alumni and friends of Taylor, are listed below:

Bourquard-Caffray Student Loan Fund
Roger Brague Compton Loan
Computer and System Sciences Department Loan Fund
Rev. and Mrs. Harold Dakin Memorial Loan Fund
Daniel Dame Student Loan
Nelva Snider Dober Loan Fund
G. Harlowe Evans Student Loan Fund
Giggy Memorial Student Loan
Indiana Federation of Clubs Fund
International Loan
Peavy-Barnett Student Loan
Raymond E. and Garnet I. Rice Memorial Student Loan Fund
Schleicher-Utley Student Loan Fund
ServiceMaster Student Incentive Loan
Robert M. and Arthur D. Stewart Memorial Loan Fund
Elmer H. Stockman Loan Fund
Elizabeth Studabaker Student Loan Fund
Taylor Student Organization Loan Fund
Linton A. Wood Student Loan Fund

• To qualify for Taylor University Employment a student generally must demonstrate financial need. Exceptions include personnel assistants in residence halls or students who possess required skills, such as computer knowledge.

Other Available Awards
Students may be eligible for other types of awards besides the merit-based and need-based scholarships:

• A Christian Leadership Scholarship, worth 25 percent of tuition, is awarded yearly to twenty incoming freshmen. Accepted students who have interviewed and completed an application for admissions by January 15 are considered for selection. Selection is based on leadership experience demonstrated by the application and interview. This scholarship is renewable with a 3.0 GPA and continued involvement in specified leadership activities.

• The Church Matching Grant enables Taylor University to match 100 percent of a church's gift to a student, with Taylor's maximum match totaling $750.

• Enrollment Awards of varying amounts are given to students who demonstrate exceptional ability in music, drama, or athletics.

• The Ethnic Student Scholarship, worth 25 percent of tuition, is awarded yearly to 10 incoming freshmen. The Admissions Office coordinates the selection process. The scholarship is renewable with a 2.0 cumulative GPA.

• The International Scholarship, worth 25 percent of tuition, is awarded yearly to six incoming freshmen. The Admissions Office coordinates the selection process. The scholarship is renewable with a 2.0 cumulative GPA.

• Music Scholarships are awarded to students majoring in music who display special talent with musical instruments or voice and who show promise of superior accomplishments in this field. Students interested in applying should contact the chair of the music department.

Annual and Endowed Scholarships
A number of scholarships are available through the generous contributions of alumni and friends of Taylor. Students applying for financial aid are automatically considered for these scholarships. A complete listing is as follows:

James Alspaugh and Nelle Alspaugh Hodson Family Endowed Scholarship
National Alumni Council Alumni Scholarship
James R. Anderson Memorial Endowed Student Development Internship
D.J. Angus-Scientechn Most Improved Student Award
Floyd L. Apple Memorial Endowed Scholarship
Mary Rose Apple Scholarship
Rev. Alfred H. Backus Memorial Scholarship
Bahamian Student Scholarship
Steve Barnett Award
Lawrence W. and Mary E. Bauer Endowed Scholarship
Robert and Margaret Behken Family Annual and Endowed Scholarships
Robert P. Benjamin and Family Merit Scholarship
Evan H. Bergwall, Sr. Memorial Scholarship
Leland E. Boren Endowed Scholarship
Bosnian Student Scholarship
Bowker/Kuhne Foundation Scholarship
William and Margaret Braden Scholarship
James M. Bragan Memorial Scholarship
Dr. David B. Brewer Memorial Annual Scholarship
Arland V. Briggs Memorial Scholarship
Virgil and Gladys Broyles Memorial Scholarship
P. Freeman and Mary Kay Burkhalter Memorial Endowed Scholarship
Walter and Jessie Cain Endowed Scholarship
Charlotte Knox Canida Award
Charles W. Carter Award
Riley and Ruth Case Endowed Scholarship
Lena Chaffant Memorial Grant
Paul K. Chan Annual Scholarship
Albert T. Chapman and Mildred S. Chapman Endowed Scholarship
Chemistry Department Merit Scholarship
Chi Alpha Omega Scholarship
Benita Y. Chiu Annual Scholarship
Christian Women in Business Merit Scholarship
Circle of Friends Endowed Scholarship
Class of 1941 Endowed Scholarship
Class of 1943 Endowed Scholarship
Class of 1945 Endowed Scholarship
Wilbur M. Cleveland Memorial Scholarship
Wilbur M. Cleveland Memorial Student Alumni Internship
Cobbs Ministerial Endowed Scholarship
James Coburn Track Award
Russell and Gladys (Flickinger) Coe Annual and Endowed Scholarships
John Baxter Coffey Memorial Scholarship
Communication Arts Department Merit Scholarship
Computer Science Merit Scholarship
Jay and Phyllis Conrad Endowed Chapel Fund
Raymond and Marjorie Cooper Endowed Scholarship
Cox Family Scholarship
Rose Stanley Cozzens Fund (Sara Long Trust)
Marion L. Crawley Memorial Award
Croatian Student Scholarship
Cup of Water Endowed Scholarship
Dillon-Long Memorial Endowed Scholarship
Nancy DeLay Dodge Memorial Endowed Scholarship
Ralph and Eunice Dodge Memorial Annual and Endowed Scholarships
Rebecca Ellenwood Memorial Endowed Fund
John M. Ellis Memorial Scholarship
Enterprise Group Annual and Endowed Scholarships
G. Harlowe Evans Chemistry Scholarship
Joyce S. Evans Memorial Scholarship
Faculty and Staff Auxiliary Award
Farmers Insurance Group of Companies Scholarship
Ruth M. Flood Alumni Dependent Scholarship
William R. Forgy Memorial Endowed Scholarship
Rev. Jesse Fox Memorial Endowed Scholarship
Betty Freese Alumni Student Internship
Robert J. Freese, Sr. Memorial Endowed Scholarship
Friendship Guild Scholarship
Raymond Wayne and Lois A. Futrell Annual Scholarship
Howard M. and V. Anne Garver Scholarship
General Scholarship
Vickie George Scholarship
George Glass Endowment Fund
Irene S. Glenn Memorial Scholarship
Aileen Gortner Memorial Scholarship
Robert V. Gortner Endowed Scholarship
Grace Educational Assistance Grant
Granitz-Nelson Award
Grant County State Bank Scholarship
Gladys Millard Greathouse Scholarship
Jeanette Groff Music Scholarship
Catherine Hill Grostic Annual and Endowed Scholarships
Ron and Anita Habegger Endowed Scholarship
Naomi and Adolf Hansen Endowed Scholarship
Avis M. Hassel Memorial Annual and Endowed Scholarships
Lowell E. And Virginia G. Hatfield Endowed Scholarship
Elaine Heath Memorial Music Scholarship Fund
Jane and Gerald Hodson Scholarship
J. Arthur Howard Scholarship
Indianapolis Community Fellowship Ministries, Inc. Annual Award
Alyce C. Isaacsen Award
B. Isely Memorial Scholarship
Ruth Warten Iten Memorial Endowed Scholarship
Fern I. Jackson Memorial Scholarship
Warren Bennett Jacobus Memorial Endowed Scholarship
Rev. Abram Jaggers Memorial Scholarship
Andrew W. Jarboe Memorial Scholarship
Charles H. and Wilma Dykeman Jennings Memorial Scholarship
Robert A. Johnson Award
David Jones Memorial Scholarship
The Ruth (Prosser ’40) and Clifford R. Kelzer Endowed Scholarship
Kenyan Students Scholarship
Jack W. King Missionary Endowed Scholarship
FINANCES

Jack W. King Student Missions Endowed Scholarship
Philip K. Kroeker Annual and Endowed Scholarships
Hazel R. Lamott Memorial Endowed Scholarship
Lange Scholarship
Herbert G. and Jennie E. Andrews Lee Memorial Scholarship
Fred A. Lenzertz Endowed Scholarship
Lord's Servants Endowed Scholarship Fund
Wendell and Jean Lowe Endowed Scholarship
Fred and Elaine Luthy Endowed Scholarship
Lyford Cay Foundation
Macy Memorial Endowed Scholarship
Zach and Erma Mahomay Annual Scholarship
Masvero Family Annual Scholarship
Masvero Family Endowment
Mathematics Alumni Scholarship
Rosselle McKinney Scholarship
William C. McLennan Memorial Scholarship
Paul and Evelyn Mendenhall Endowed Scholarship
Mephiboseth Endowed Scholarship Fund
Robert and Coleen Midwood Scholarship
Phillip M. Miller Memorial Scholarship
Rosell Stewart Miller Memorial Endowed Scholarship
Betty Mitchell Endowed Art Scholarship
English Bonter Mitchell Grant
William A. Mitchell Memorial Endowed Scholarship
William Montgomery Memorial Annual Scholarship
Luella Moore Memorial Scholarship
Sammy Morris Memorial International Student Scholarship
Paul A. Mortenson Scholarship
Muncie District-United Methodist Church Scholarship
Mutual Security Life Insurance Company Scholarship
James and Sandra Nassar Award
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Brad Newlin Memorial Scholarship
Diane Newman Memorial Scholarship
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Henry and Nettie Norvelle Memorial Scholarship
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Grace D. Olson Memorial Scholarship
Lawrence and Lucille Oman Home Missions Endowed Scholarship
Marion Miller Overhiser Memorial Endowed Scholarship
Howard and Relda Pearson Endowed Scholarship
Physics Alumni Foundation Merit Scholarship
Pikes Peak Christian Church Memorial Endowed Scholarship
Elisabeth Poe Endowed Scholarship
Pollard Phonics Education Laboratory Endowed Fund
Poplar Run Church Memorial Scholarship
Lucille F. Popp Endowed Scholarship
Precision Scholarship Fund
Presser Foundation Scholarship
Patricia Anne Priess Memorial Scholarship
Randall Environmental Research Fund
Reade Center Faculty and Staff Scholarship
Reader's Digest Foundation Scholarship
Milo A. Rediger Award/Marion Kiwanis
Milo A. Rediger Scholarship
Rediger/Vernier Alumni Dependent Scholarship
Religion and Philosophy Merit Scholarship
Doris E. Reynolds and Edith Ross Reynolds Memorial Endowed Scholarship
Garnet L. Rice Alumni Dependent Scholarship
Paul and Jennifer (Dorenbos) Ritchie Scholarship
Ritchie Family Annual Scholarship
Isaac N. Ritenour Scholarship
Wally and Marlene Roth Endowed Scholarship
Donald Leon Roye Memorial Scholarship
Don and Shirley Ruegsegger Scholarship
Jenafier T. Ruehman Memorial Endowed Scholarship
Gene L. And Nancy A. Rowley Rupp Endowed Scholarship
Nancy A. Rowley Rupp Endowed Music Scholarship
Wally and Bobbie Scea Endowed Scholarship
Francis Schaeffer Memorial Scholarship
Science Faculty Merit Scholarship
Gerald J. Seagley and Waunetta B. Seagley Scholarship
Richard A. Seaman Endowed Financial Training Program
Second Center Olson Scholarship
ServiceMaster Business Incentive Endowed Scholarship
ServiceMaster Endowed Scholarship
Lyn and Ruth Setser Music Endowed Scholarship
Alice M. Shippy Memorial Award
Alice M. Shippy Memorial Student Alumni Internship
Herman David Shore Memorial Endowed Scholarship
Cleo H. Skelton Scholarship
Barry W. Smith Social Work Scholarship
Peggy L. Smith Memorial Award
Sharon Hicks Smith Annual Scholarship
Soderquist Family Annual Scholarship
Miriam Burton Squire Memorial Scholarship
Leon and Alma Stanley Memorial Scholarship
William J. Stapleton Memorial Scholarship
Steyer Memorial Endowed Scholarship
Stone/Hite Endowed Scholarship for International Students
Stone/Hite Family Endowed Scholarship
Robert L. Stoops Memorial Scholarship
Marvin and Mary Ella Stuart Scholarship
John F. Summers and Son Memorial Scholarship
Robert E. Sutherland, Jr. Annual and Endowed Scholarships
Taylor Alumni/Lilly Employee Annual and Endowed Scholarships
Grants
Anyone may apply for the following grants by completing the Free Application for Federal Student Aid (FAFSA):

- The Federal Pell Grant is based on financial need as determined by the FAFSA. It offers a maximum of $3,300 per year (amount subject to change on a yearly basis).

- The Federal Supplemental Educational Opportunity Grant is based on financial need as determined by the FAFSA. It replaces the Taylor General Grant. A maximum of $4,000 per year is provided.

Loans
Anyone may apply for the following loans by completing the appropriate applications:

- The Federal Perkins Loan is based on financial need as determined by the FAFSA. It loans a maximum of $1,500 per year according to financial need. Repayment begins nine months after the student leaves school. A 5 percent interest rate is charged. Taylor University awards the loan, which must be signed for every year it is received.

- The Subsidized Stafford Loan is a bank loan, and a separate application must be completed. It is based on financial need as determined by the FAFSA. The loan provides a maximum of $2,625 per year for freshmen, $3,500 per year for sophomores, and $4,500 per year for juniors and seniors, depending on financial need. Repayment begins six months after the student leaves school. This loan has a variable interest rate that is capped at 8.25 percent. It is available through applications provided by the Financial Aid Office. To insure disbursement for the August payment, applications must be in the Financial Aid Office by July 1.

- The Unsubsidized Federal Stafford Loan is not based on financial need. Interest payment is required from the date of disbursement. Otherwise, it operates the same as a subsidized loan. It cannot exceed maximum loan limits when combined with a subsidized loan.

- The Federal PLUS (Parent Loan) is a bank loan, and a separate application must be completed. It is not based on financial need and may not exceed the cost of attendance minus other aid. Repayment begins 60 days after the final disbursement of each academic year. Federal PLUS has a variable interest rate capped at 9 percent. It may be sought via the Financial Aid Office.

Work
Federal Work Study is based on financial need as determined by the FAFSA. Students are allowed to earn a maximum of $1,800 per year.

State Aid
Students from Indiana may qualify for the following:

- The 21st Century Scholarship is based on financial need as determined by the FAFSA. It provides a maximum of $3,530 per year (amount subject to change on yearly basis).

- The Higher Education Grant is based on financial need as determined by the FAFSA. It provides a maximum of $3,578 per year (amount subject to change on yearly basis).

- The Freedom of Choice Grant is based on financial need as determined by the FAFSA. It offers a maximum of $4,940 per year (amount subject to change on yearly basis).

The following states offer applicable state grants:

Pennsylvania, Massachusetts, Alaska, Rhode Island, and Vermont state grants are awarded to students even if they attend out-of-state colleges. These grants are based on financial need as determined by the FAFSA and/or on additional forms.
STUDENT AFFAIRS
OBJECTIVES OF STUDENT AFFAIRS

Student Affairs is comprised of the offices of Admissions, Athletics, Financial Aid, and Student Development. The programs offered from these offices seek to insulate and promote each student's sense of belonging and personal growth and development at Taylor University. Beginning with the recruitment of capable and coachable minds and hearts and culminating in a proactive career development program, each of the varied components of Student Affairs enhances the academic thrust of the university.

Student Affairs is committed to the following objectives: which are detailed as follows:

- To provide the environment, resources, and programs that maximize the potential for Christian students to grow in their understanding and expression of their Christian faith.
- To provide programs that promote ethnic and cultural understanding.
- To provide professional counseling and health care services for students.
- To create a Residence Life program that encourages personal growth and fosters the practice of the Life Together Covenant.
- To provide safe, attractive, and comfortable housing facilities for students.
- To provide wellness programs, experiences, and information that help students to live healthy and balanced lives.
- To provide a campus community that is safe and secure for students.
- To provide orientation services that will aid students in their transition to Taylor University and college life.
- To assist students with career planning that will result in professional preparation for placement.
- To insure a student body profile, both in numbers and quality, that is supportive of Taylor's strategic educational and institutional planning.

- To provide an intercollegiate athletic competition through which the student athlete can be developed, tested, and encouraged to achieve his/her maximum physical, emotional, intellectual, and spiritual potential.

ATHLETICS

The university recognizes and accepts the educational, social, and promotional impact the athletic program has on the institution and its constituency. Athletics is an integral part of the "whole person" education at Taylor University. The athletic program complements the institution in its mission of "educating men and women for lifelong learning and for ministering the redemptive love of Jesus Christ to a world in need."

The total development of the student athlete is paramount in the organization and implementation of the athletic program. Participation in intercollegiate athletics provides an arena whereby the student athlete may be developed, tested, and encouraged to achieve maximum physical, emotional, intellectual, and spiritual potential. The goal, through competition, is to assist and support student athletes in their understanding of a Christian response to a fundamental human experience.

Intercollegiate Athletics

Intercollegiate sports for men include baseball, basketball, cross-country, football, golf, soccer, tennis, and track and field. Women compete in basketball, cross-country, soccer, softball, tennis, track and field, and volleyball.

National/Conference Affiliations

Taylor holds membership in the National Association of Intercollegiate Athletics (NAIA). The men and women compete in the Mid-Central Conference (MCC). The MCC consists of Bethel, Goshen, Grace, Huntington, St. Francis, Indiana Wesleyan, Marian, and Taylor—all Indiana colleges. Football competes in the Mid-State Football Association (MSFA).

Intramural Athletics Program

The Intramural Athletics Program, coordinated by Intercollegiate Athletics, provides a wide variety of activities for meeting the recreational and competitive needs of the entire Taylor student body. Team events include both a men's and a women's league for flag football, soccer, and basketball; coed leagues exist for volleyball and softball. Many other individual tournaments, such as pool, ping-pong, badminton, and racquetball, are held for both men and women.

Taylor's Intramural Athletics Program has extraordinarily high participation rates. For example, flag football alone has over 600 men and women participants each year. Residence hall competition has been the driving force behind these high numbers. Intramural sports have proven to be a great outlet from the pressures of college life and have developed into a great social activity for the majority of the student body.

STUDENT DEVELOPMENT

Student Development designed its program to embrace a diversity of interests and to use that diversity to
challenge and strengthen the minds and spirits of each member of the student body.

Programs specifically designed to enrich and support the classroom experience enhance the student’s “whole person” development. Residence Life’s program is based on a wellness model that includes the spiritual, intellectual, emotional, physical, social, and vocational dimensions of a student’s life. Additional programs are in place for leadership development, campus ministries, career development, counseling, orientation, health and wellness, student activities, and campus safety.

American Ethnic and International Student Programs
The purpose of the offices of American Ethnic and International Student Programs is to facilitate the academic success, spiritual development, and social well being of American ethnic and international students. The intention of these offices is to provide an environment in which students are assured support as well as advocacy relative to their unique concerns and are encouraged to engage in programs designed to affirm their ethnicity and cultural backgrounds. The offices also implement educational opportunities to promote diversity awareness throughout the campus community and cultivate reciprocal relationships with community leaders in order to establish student support linkages between local communities and Taylor University.

Campus Ministries
The Office of Campus Ministries is committed to the strategic task of helping students to develop a growing intimacy with God—knowing Him and loving Him. Chapel meets each Monday, Wednesday, and Friday and includes two weeks for spiritual renewal, a week emphasizing cross-cultural missions, and a relational enrichment week. Students are encouraged to attend a local church. A campus-wide Sunday evening worship service is provided.

The Discipleship Program on campus provides discipleship coordinators in each residence hall. An important part of this ministry is a small group program committed to the goals of Bible study, quality burden bearing, sharing fellowships, mutual prayer, and group outreach projects.

Campus Safety
The Campus Safety Office provides a variety of services to the students, faculty, and staff of Taylor University. The university employs full- and part-time officers to provide 24-hour security and law enforcement services. The director of campus safety works in conjunction with local, state, and federal law enforcement agencies to ensure a safe campus environment. The Campus Safety Office also oversees the campus motor pool, identification card, lost and found, emergency telephone, motor vehicle registration, and parking programs. Taylor University complies with the Crime Awareness and Campus Security Act of 1990.

Career Development
The Career Development Office assists students in determining their career interests and broadening their awareness of the numerous opportunities available through a liberal arts education. Updated career and job information is available on corporations, chambers of commerce, Christian ministries, agencies, and public and private schools. Assistance is provided in interviewing, resume writing, developing credential files and employment correspondence, and researching organizations. This office also assists students seeking employment by scheduling recruiters for campus visits and conducting off campus interview days in conjunction with other Indiana liberal arts colleges.

Counseling Center
The Counseling Center offers students professional counseling services on a no-fee basis. Individual counseling, groups, workshops, and educational programs are available. Care is given to approach all of life in the context of a biblical worldview. The Counseling Center is located on the lower level of the Rediger Auditorium in the Center for Student Development. Students are seen by appointment and also on an emergency basis. Referrals can also be made to other qualified Christian professionals in the area.

Leadership Development/New Student Orientation
Taylor University’s student leadership development program is nationally recognized among Christian colleges and has a rich history of providing students with the opportunity to develop their leadership skills through involvement in various activities. The purpose of the program is development of leadership skills. Our intent is to expose every student to leadership theory and practice through new student orientation with more intentional refinement through involvement in the leadership program.

Approximately 500 students are involved in a wide variety of leadership positions each year. Students learn about leadership concepts and practices through training and mentoring for specific student leadership positions, attendance at a variety of campus seminars and workshops with leadership themes, and attendance at The National College Student Leadership Conference hosted on our campus each spring.

Residence Life
Taylor University is a residential campus with a strong emphasis on community living. The purpose of the Residence Life program is to provide safe, attractive, and comfortable physical facilities, structured educational programming, and an atmosphere conducive to unstructured learning experiences. In addition, Residence Life seeks to create an environment that fosters the basic values of Christian community. The residence halls serve as living-learning centers where students are challenged to grow and apply their faith through interaction with their neighbors. As
living-learning centers, residence halls at Taylor are designed to fulfill two goals: the first is to provide a community living experience through which students are exposed to a variety of educational opportunities that transcend their chosen courses; second, they provide the resources and professional staff necessary to assist students in developing a high degree of self-direction and responsible citizenship.

There are seven residence halls on campus that house 1456 students. The halls have different room and floor configurations, affording students the opportunity to choose a living environment that best suits them. Room assignments are made prior to the beginning of the fall term. Room and roommate preferences are honored within the limits of available space. The university reserves the right to assign rooms when deemed appropriate. Individual rooms are furnished with window coverings, beds, mattresses, desks, chairs, and dressers.

Each residence hall has a leadership team that includes the personnel assistants, discipline coordinators, hall council, and a representative that serves on student senate. These student leaders are supervised by residence hall directors who work as educators, counselors, and as members of the Taylor University faculty.

On-Campus Housing Information
Students who have been admitted to Taylor University and have paid the $200 matriculation fee will receive residence hall application material from the Center for Student Development. This material is to be completed and returned to the Center for Student Development before housing assignments will be made. Of the $200 matriculation fee, $50 is applied toward a housing deposit and is returned when a student leaves Taylor or cancels on acceptance (see refund policy). Charges for damage to residence hall property and other university-administered facilities are deducted from this housing deposit.

Transfer students are required to live in the residence halls for a minimum of one semester. Married students have the option of living in university-owned Fairlane Apartments or in other approved off-campus housing. Exceptions to this housing policy will be considered in cases of need, unusual health problems (certified by Health Services), and/or a significant age difference between the student and the general age range of the student body. Appeals should be submitted in writing to the Center for Student Development.

Off-Campus Housing Information
While Taylor has adopted a residential philosophy of housing, it is often necessary to supplement our housing facilities by utilizing housing in the community. Approval to live off campus is granted to the number of students enrolled who cannot be accommodated in the residence halls. The number of students approved to live off campus is always based on the projected enrollment. Application for such housing is made through the Center for Student Development. Seniors will be given preference in the off-campus approval process. Students living outside the college residence halls may not change their place of residence without first receiving permission from the Center for Student Development. All students have the same responsibilities and are expected to observe the same regulations that apply to resident students.

Student Programs
The purpose of the Office of Student Programs/Leadership Development is to complement academic programs and other co-curricular programs of study and enhance the overall educational experience of students. The academic year at Taylor is complemented by a variety of social functions including professional entertainment, a contemporary Christian music concert series, films, banquets, special weekends (such as Homecoming and Parents' Weekend), student variety and talent shows, and leadership conferences.

Student Government
Students participate in the government of Taylor University through the Taylor Student Organization (TSO), student-faculty committees, and personal interaction with faculty and administrators. The president of TSO is a member of the University Cabinet (the President's Advisory Council). The senior class president serves as a representative to the National Alumni Council.

Student Organizations
For students with specialized interests, there are various clubs with social, practical, and academic benefits. These clubs include organizations in the natural sciences, social sciences, radio, music, languages, and preprofessional areas. Dramatic, athletic, cultural, and political groups also exist to add vitality to the life of the university.

Taylor World Outreach
Taylor World Outreach (TWO) emphasizes practical experience in ministry and leadership. Seven student-led departments are committed to leadership development and outreach. Community Outreach, Habitat for Humanity, Lighthouse (sponsoring interterm mission trips), Taylor Christian Artists, World Christian Fellowship, World Opportunities Week, and Youth Conference.

Wellness and Health Services
Taylor University Wellness and Health Services is a nurse-directed facility with a staff of seven nurses. It contracts with a local hospital for a part-time physician. The facility is equipped with seven beds to accommodate overnight admissions.

A full-time student pays a health service fee each semester and interterm. This fee may be waived only if the student is married, a commuter, or studying away from campus. In order for this fee to be removed from the bill of the eligible student, a waiver must be obtained from Health Services and signed by the end of the second week of classes each semester. No health services are offered to summer school students.

Students are responsible for notifying their professors when class is missed due to illness. The Health Service staff will not issue written, excused absences.
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Donald Taylor
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Beulah Baker  
Chair, English Department

Janet Loy  
Chair, Modern Languages Department

**Division of Natural Sciences**

William Klinger  
Associate Dean

John Moore  
Chair, Biology Department

Daniel Hammond  
Chair, Chemistry Department

Timothy Diller  
Chair, Computing and System Sciences Department

E. Richard Squiers  
Chair, Earth and Environmental Science Department

Jeremy Case  
Chair, Mathematics Department

Henry Voss  
Chair, Physics Department

**Division of Social Sciences**

R. Philip Loy  
Associate Dean

Roger Jenkinson  
Chair, Geography Department

William Ringenberg  
Chair, History Department

Stephen Hoffmann  
Chair, Political Science Department

Mark Cosgrove  
Chair, Psychology Department

Twyla Lee  
Chair, Social Work Department

Michael Jessup  
Chair, Sociology Department

**FACULTY**

**Faculty of Instruction**

The year appearing immediately after each name indicates the first year of full-time service at Taylor.

H. Leon Adkison, 1974. Professor of Systems. BS, Texas Christian University, 1964; MS, Texas Christian University, 1968; PhD, Texas Christian University, 1970.

Felix Aguilar, 1999. Associate Professor of Computing and System Sciences. BS, Virginia Polytechnic Institute and State University, 1967; MS, Virginia Polytechnic Institute and State University, 1969; MS, Virginia Polytechnic Institute and State University, 1973; PhD, Virginia Polytechnic Institute and State University, 1976.


Eleanor A. Barrick, 1990. Professor of Modern Languages. BA, Texas Tech University, 1961; MA, Texas Tech University, 1966; PhD, University of Illinois, 1971.

Stephen S. Bedi, 1991. Associate Vice President for Academic Affairs and Dean of the Upland Campus, Professor of Education. BS, Taylor University, 1965; MEd, University of Maryland, 1970; EdD, George Washington University, 1982.

Ronald M. Benbow, 1987. Associate Professor of Mathematics. BA, Marion College, 1973; MAE, Ball State University, 1977; PhD, Indiana University, 1996.

Robert P. Benjamin, 1979. Associate Professor of Accounting. BSBA, Bowling Green State University, 1962; MBA, University of Michigan, 1964; MAcc, Florida State University, 1974.

Christopher P. Bennett, 1989. Professor of Business. BS, University of Oregon, 1971; MBA, University of California at Los Angeles, 1974; PhD, The Union Institute, 1998.

Steven P. Bird, 1993. Associate Professor of Sociology. BS, Boise State, 1986; MA, University of Washington, 1990; PhD, Purdue University, 1993.


Stanley L. Burden, 1966. Professor of Chemistry. BS, Taylor University, 1961; PhD, Indiana University, 1966.

Timothy J. Burkholder, 1970. Professor of Biology. BA, Taylor University, 1963; MS, The Ohio State University, 1965; PhD, The Ohio State University, 1970.

Jeremy S. Case, 1995. Associate Professor of Mathematics. BA, Taylor University, 1987; MA, Miami University (OH), 1989; MS, PhD, University of Minnesota, 1995.


Faye E. Chechowich, 1989. Associate Professor of Christian Education. BA, Taylor University, 1974; MRE, Trinity Evangelical Divinity School, 1988; PhD, Indiana University, 1999.

James G. Coe, 1983. Associate Professor of Business. BS, Indiana University, 1972; MS, National College of Education, 1981; additional graduate studies, Oxford University.


Dana L. Collins, 1992. Associate Professor of Music. BM, University of Toronto, 1976; MM, California State (Fullerton), 1980; additional graduate studies, Indiana University.

Philip J. Collins, 1999. Assistant Professor of Christian Education. BA, Taylor University, 1982; MA, Trinity Evangelical Divinity School, 1993; additional graduate studies, Purdue University.

Ronald S. Collymore, 1991. Assistant Professor of Biblical Studies. BA, Tennessee Temple University, 1984; MA, Covenant Theological Seminary, 1986; additional graduate studies, University of Sheffield.


Mark P. Cosgrove, 1976. Professor of Psychology. BA, Creighton University, 1969; MS, Purdue University, 1971; PhD, Purdue University, 1973.

Jeffry P. Cramer, 1998. Instructor of Computing and System Sciences. BS, Taylor University, 1990; MS, Indiana University, 1998; additional graduate studies, Purdue University.


Robert E. Davis, 1995. Associate Professor of Physics. BS, Illionis State University, 1976; MS, Purdue University, 1982; PhD, Purdue University, 1988.
Nancy C. Dayton, 1988. Associate Professor of English. BA, Indiana Wesleyan University, 1985; MA, Indiana University, 1987; PhD, Miami University (OH), 1996.

Matthew E. DeLong, 1998. Assistant Professor of Mathematics. BA, Northwestern University, 1993; MS, University of Michigan, 1996; PhD, University of Michigan, 1998.


Timothy C. Diller, 1981. Professor of Computing and System Sciences. BA, Taylor University, 1962; MDiv, Fuller Theological Seminary, 1965; MA, University of California at Los Angeles, 1967; PhD, University of California at Los Angeles, 1971.


L. Angela Ficcanon, 1992. Assistant Professor of Physical Education and Human Performance. BS, Ball State University, 1983; MA, Ball State University, 1989; additional graduate studies, Ball State University.


Michael D. Guebert, 1999. Associate Professor of Geology and Environmental Science. BS, University of Illinois, 1985; MS, University of Illinois, 1988; PhD, Penn State University, 1991.

David J. Gyertson, 2000. President and Professor. BA, Spring Arbor College, 1969; PhD, Michigan State University, 1981.

Daniel G. Hammond, 1981. Professor of Chemistry. BA, Bethel College (IN), 1973; PhD, Wayne State University, 1981.


Barbara A. Heapvlin, 1991. Associate Professor of English. BA, Marion College, 1958; MA, Virginia Polytechnic Institute and State University, 1970; PhD, Ball State University, 1984.


Timothy W. Herrmann, 1978. Assistant Professor of Psychology. BA, Taylor University, 1975; MA, The Ohio State University, 1977.


Stephen P. Hoffmann, 1976-77, 1981. Professor of Political Science. BA, Rutgers University, 1968; PhD, Princeton University, 1976.

William C. Holmes, 1999. Assistant Professor of Physics. BS, Southern Nazarene University, 1994; PhD, Washington State University, 1999.

Christopher Holtmann, 1999. Lecturer of Physical Education and Human Performance. BA, Taylor University, 1994; additional graduate studies, Ball State University.


Oliver F. Hubbard, Jr., 1976. Professor of Communication Arts. BA, Asbury College, 1968; MA, University of Kentucky, 1972; PhD, Kent State University, 1980.

Roger L. Jenkinson, 1965. Professor of Geography. BS, Taylor University, 1960; MA, Ball State University, 1962; EdD, Oklahoma State University, 1974.

Dwight Jessup, 1993. Vice President for Academic Affairs and Dean of the University. Professor of History and Political Science. BA, Bethel College (MN), 1960; MA, University of Minnesota, 1965; PhD, University of Minnesota, 1978.

Michael M. Jessup, 1996. Associate Professor of Sociology. BA, Idaho State University, 1985; MS, Iowa State University, 1987; PhD, Southern Illinois University, 1992.


Kenneth Kiers, 1998. Assistant Professor of Physics. BS, McMaster University, 1991; PhD, University of British Columbia, 1996.

Charles B. Kirkpatrick, 1979. Professor of Communication Arts. BA, Ashbury College, 1961; MS, Indiana University, 1974; PhD, Indiana University, 1985.

Patricia E. Kirkpatrick, 1982. Learning Support Center, Associate Professor. BS, Bethel College (IN), 1963; MS, Indiana University, 1974; additional graduate studies, Ball State University and Indiana University.

Joan F. Kitterman, 1994. Professor of Education. BS, Ball State University, 1973; MAE, Ball State University, 1976; EdD, Ball State University, 1984.

James H. Kleist, 1990. Director of Educational Technology Center, Assistant Professor. BA, Arizona State University, 1965; MA, Arizona State University, 1975.


Donald N. Knudsen, 1994. Assistant Professor of Marketing. BA, Taylor University, 1964; MBA, Rutgers University, 1972; additional graduate studies, Touro International University.

Rita D. Koch, 1992. Assistant Professor of Spanish. BA, Grace College, 1966; MA, Ball State University, 1992; additional graduate studies, Purdue University.

Tena M. Krause, 1989. Associate Professor of Physical Education and Human Performance. BS, Greenville College, 1980; MS, Eastern Illinois University, 1988; MA, Ball State University, 1996.


Janet C. Loy, 1971. Associate Professor of Modern Languages. BA, Indiana University, 1965; MA, Indiana University, 1969; additional graduate studies, Indiana University and Universite du Quebec, Chicoutimi.

R. Philip Loy, 1964. Professor of Political Science. BA, Taylor University, 1962; MA, Indiana University, 1964; additional graduate studies, Indiana University.

Joe W. Lund, 1973. Professor of Psychology. BA, Grace College, 1972; MA, Ball State University, 1973; PhD, Indiana University, 1981.

Vance E. Maloney, 1981. Professor of Psychology. BA, Cedarville College, 1979; MA, Ball State University, 1981; PhD, Ball State University, 1989.

Billie J. Manor, 1980. Director of Learning Support Center, Associate Professor. BS, Ball State University, 1972; MA, Ball State University, 1976.


Pamela L. Medows, 1997. Assistant Professor of Education. BS, Indiana Wesleyan University, 1972; MAE, Ball State University, 1992; EdD, Ball State University, 1997.

Elizabeth B. Messer, 1988. Associate Professor of Modern Languages. BA, Trinity College, 1978; MA, Florida State University, 1984; PhD, Florida State University, 1989.

Stephen C. Messer, 1990. Associate Professor of History. BA, Trinity College, 1977; MA, Florida State University, 1982; MS, Florida State University, 1984; PhD, Florida State University, 1987.


Craig W. Moore, 1979. Associate Professor of Art. BA, Taylor University, 1971; MA, Ball State University, 1975.

John M. Moore, 1992. Associate Professor of Biology. BA, Taylor University, 1972; MA, Ball State University, 1978; EdD, Ball State University, 1989.

Rebecca S. Moore, 1990. Director of Teacher Certification, Instructor of Education. BS, Taylor University, 1966; MA, Ball State University, 1973.

Richard A. Parker, 1974. Professor of Music. BS, Wittenberg University, 1966; MA, The Ohio State University, 1970; PhD, The Ohio State University, 1974.


Paul W. Patterson, 1979. Associate Professor of Physical Education and Human Performance. BS, Hanover College, 1964; MS, Central Missouri State, 1965; additional graduate studies, Morehead State University.


Janice L. Pletcher, 1992. Assistant Professor of Communication Arts. BS, Ball State University, 1974; MA, Ball State University, 1976; additional graduate studies, Ball State University.

Jan M. Reber, 1994. Associate Professor of Biology. BA, Taylor University, 1989; MS, Purdue University, 1991; PhD, Purdue University, 1994.

Robert T. Reber, 1996. Director of Laboratories/Technician in Earth and Environmental Science Department. Instructor: BS, University of Illinois, 1989; MSF, Purdue University, 1991; additional graduate studies, Purdue University.

JoAnn K. Rediger, 1996. Assistant Professor of Music. BS, Taylor University, 1971; MMED, James Madison University, 1981; DA, Ball State University, 1994.

Jeffrey L. Regier, 1999. Associate Professor of Biology. BA, Taylor University, 1988; PhD, Michigan State University, 1993.

William C. Ringenberg, 1967. Professor of History. BS, Taylor University, 1961; MAT, Indiana University, 1964; PhD, Michigan State University, 1970.

Patricia C. Robertson, 1998. Assistant Professor of Music. BS, University of Maine, 1977; MM, Ball State University, 1989; DA, Ball State University, 1998.

Joe W. Romine, 1972-76, 1981. Professor of Physical Education and Human Performance. BS, Taylor University, 1970; MA, Ball State University, 1976; EdD, Ball State University, 1986.

Paul E. Rothrock, 1981. Professor of Environmental Science and Biology. BA, Rutgers University, 1970; MS, Pennsylvania State University, 1973; PhD, Pennsylvania State University, 1976.


Carl R. Siler, 1996. Associate Professor of Education. BS, Indiana University, 1969; MA, Indiana University, 1971; EdD, Ball State University, 1985.

Dan P. Smith, 1992. Director of Chemistry and Physics Laboratories. Assistant Professor. BA, Taylor University, 1964; MAT, Washington University, 1969; additional graduate studies, Washington University.

Rachel Hostetter Smith, 1998. Associate Professor of Art and Gilkison Family Chair in Art History. BA, Michigan State University, 1981; MA, Michigan State University, 1991; PhD, Indiana University, 1996.


C. Stephen Wilt, 1994. Assistant Professor of Physical Education and Human Performance. BA, Shepherd College, 1966; MS, West Virginia University, 1969.


Larry E. Winterholter, 1979. Associate Professor of Physical Education and Human Performance. BS, Taylor University, 1964; MS, Illinois State University, 1965; additional graduate studies, University of Illinois and Ball State University.

Laurie J. Wolcott, 1983. Technical Services Librarian, Associate Professor. BS, Taylor University, 1980; MLS, Ball State University, 1984; MA, Christian Theological Seminary/Butler University, 1993.

Daryl R. Yost, 1983. Senior Vice President and Chief Operating Officer of the Fort Wayne Campus, Professor of Education. BS, Manchester College, 1958; MA, Ball State University, 1962; EdD, Ball State University, 1969.

Student Affairs Faculty


Walter E. Campbell, 1969. Associate Vice President for Student Development and Dean of Students, Assistant Professor. BS, Taylor University, 1964; MA, Ball State University, 1968.

Brent D. Ellis, 1996. Director of Student Programs, Instructor. BA, Greenville College, 1992; MMin, Bethel College (IN), 1994; MDIV, Asbury Theological Seminary, 1996; additional graduate studies, Indiana University.


Lori R. Holtmann, 1995. Associate Dean of Students and Director of Residence Life Services, Instructor. BA, Gordon College, 1992; MA, Ball State University, 1993.

Wynn A. Lembright, 1983. Vice President for Student Affairs, Assistant Professor. BS, Toledo University, 1964; MDIV, Asbury Seminary, 1970; ThM, Princeton Theological Seminary, 1972.

J. Lawrence Mealy, 1988. Associate Dean of Students and Director of Career Development, Assistant Professor. BA, Marion College, 1970; MAR, Asbury Theological Seminary, 1975; additional graduate studies, Oklahoma State University.

Carol A. Mott, 1994. Director of Counseling Center, Assistant Professor. BA, Wheaton College, 1971; MA, Ball State University, 1987.

Timothy A. Nace, 1987. Director of Financial Aid and Assistant to the Vice President for Student Affairs, Assistant Professor. BA, Houghton College, 1979; MS, State University of New York College at Buffalo, 1981.


Mary G. Rayburn, 1991. Director of Student Ministries, Assistant Professor. BA, Furman University, 1982; MDIV, Southern Baptist Theological Seminary, 1986.

Teresa J. Smith, 1994. Director of Wellness and Health Services, Assistant Professor. BS, Indiana University, 1974; MSN, Indiana University, 1981.

Coein S. Trudeau, 1999. Associate Dean of Students and Director of Residence Life Programs, Assistant Professor. BA, John Brown University, 1985; MSE, SUNY College at Buffalo, 1987; EdD, Indiana University, 1999.

**Emeriti Faculty**

Ray E. Bullock  
Professor of Art, 1966-1991

Joe Burnworth  
Professor of Education, 1969-2000

Hazel E. Carruth  
Professor of English, 1946-1978

Mildred S. Chapman  

Edward E. Dinse  
Associate Professor of English, 1970-1992

Frances W. Ewbank  
Professor of English, 1964-1982

William Ewbank  
Professor of Mathematics, 1964-1987

William A. Fry  
Professor of English, 1978-1998

Richard W. Gates  
Associate Professor of Health, Physical Education, and Recreation, 1969-1991

George A. Glass  
Associate Professor of Physical Education 1960-1999

Carl E. Gongwer  
Associate Professor of Spanish, 1966-1988

Robert V. Gortner  
Professor of Business, 1980-1995

Paul M. Harms  
Associate Professor of Mathematics, 1971-1997

George W. Harrison  
Professor of Biology, 1978-1994

Dale E. Heath  
Professor of Ancient Language and History, 1961-1988

David D. Hess  
Associate Professor of Education, 1967-1997

M. Jane Hodson  
Associate Professor of Education, 1966-1997

Alice K. Holcombe  
Associate Professor of Library, 1946-1950, 1952-1983

Dale M. Jackson  
Professor of Communication Arts, 1966-2000

Philip K. Kroeker  
Professor of Music, 1963-1996

Gordon M. Krueger  
Professor of Chemistry, 1955-1979

James B. Law  
Associate Professor of Health, Physical Education, and Recreation, 1982-1997

Jennie A. Lee  
Professor of Education, 1981-1975

Dwight L. Mikkelsen  
Professor of History, 1968-1993

David L. Neuhouser  
Professor of Mathematics, 1971-1993

E. Herbert Nygren  
Professor of Religion, 1969-1991

Don J. Odle  
Professor of Physical Education, 1947-1979

Robert D. Pitts  
Professor of Biblical Studies, 1973-1997

Elisabeth Poe  
Professor of Biology, 1953-1983

Carl W. Rice  
Professor of Education, 1969-1985

Helen E. Rogers  
Assistant Professor of Education, 1976-1997

Roger W. Roth  
Associate Professor of Physics, 1965-1998

R. Waldo Roth  
Professor of Computing and System Sciences, 1967-1999

Hilda L. Steyer  
Associate Professor of Music, 1954-1984

Marilyn A. Walker  
Associate Professor of Communication Arts, 1966-1996

John W. Wallace  
Associate Professor of Social Work, 1977-1996

Lois A. Weed  
Associate Professor of Library, 1953-1995

Dale E. Wenger  
Associate Professor of Mathematics, 1963-1989

Charles R. Wilson  
Professor of Religion and Philosophy, 1965-1983

Robert C. Wolfe  
Associate Professor of Physics, 1962-1993

**CONTRACT PERSONNEL**

LaGatha Adkison  
University Registrar

Amber Anderson  
University Editor

Evelyn Aponte  
Admissions Recruiter

Jackie Armstrong  
Computer Support Specialist

Stephen Austin  
Residence Hall Director

Linda Bennett  
Nurse

Ian Blair  
Manager of Online Services

Geri Bradford  
Information Resource Coordinator for Student Affairs

Jane Breedlove  
Operations Manager for Admissions

Aaron Brooks  
Computing Resource Manager for Computing and System Sciences Department

Brent Chapman  
Coordinator of Development Grants and Research

Steve Christensen  
University Graphic Designer

Jerry Cramer  
Director of the Capital Campaign

Robert Craton  
Information Resource Coordinator for Academic Affairs

Paula Davis  
Assistant for Taylor Fund

Terry Davis  
Information Center Technician

Janet Deavers  
Payroll Supervisor

Ryan Delp  
Admissions Counselor

Donna Downs  
Director of University Relations
Susan Durovey
Administrative Assistant to Vice President for Business and Finance

Richard Ehresman
Bookstore Manager

Rod Elb
Director of Information Resources

Tom Essenburg
Associate Director of Alumni Relations/
Director of Parent Programs

Marilyn Evans
Assistant to Registrar

Shirley Fenlason
Coordinator of Communications/
Admissions

Gerald Friesen
Director of Instructional Technology

Jim Garringer
Director of News Service and Campus
Photographer

David Gray
Superintendent of Housekeeping

William Gross
Superintendent of Grounds

Betsy Hagar
Admissions Counselor

Michael Hammond
Director of Leadership Development

Mike Harmon
Development Associate

Beth Harrell
Coordinator of Student Services/
Admissions

Joyce Helyer
Associate Vice President
for Development

T. J. Higley
Information Center Specialist

Gregg Holloway
Financial Aid Counselor

Laura Hutson
Director of Human Resources

Kim Johnson
Administrative Assistant to Vice President for Planning, Strategic
Initiatives and Technology

Sandy Johnson
Customer Support Specialist

Dan Jordan
Director of University Press

Kashwinder Kaur
Director of International Student Programs

Laura Key
Alumni Web and Assistant Resource
Coordinator

Evan Kittleman
University Webmaster

Bev Klepser
Mailing Services Supervisor

Thomas Knight
Network/Systems Engineer

Ron Korfmacher
Admissions Student Athlete Recruiter/
Assistant Coach

William Lee
University Information Systems Manager

Jessie Lennertz
Director of Information Services/
Project Research Coordinator

Jack Letarte
Institutional Researcher

Paul Lightfoot
Campus Landscaper

Robert Linehan
Information Center Manager

Linda Mealy
Administrative Assistant to Vice President for Academic Affairs

Alberta Miller
Administrative Assistant to the President

Cathy Moorman
Bursar

Stephen Mortland
Associate Vice President for Enrollment Services

Toni Newlin
Director of Resource and Donor Services

Jon Ochs
Media Technician

Steve Olsen
Telephone System Manager

Alan Ours
Technology Services Manager

Annette Payne
Nurse

Pamela Pegg
Assistant Director of Bookstore

Nelson Rediger
Associate Executive Director
of The William Taylor Foundation

Lou Roth
Nurse

Alan Rupp
Associate Director of The William Taylor Foundation

Mike Schadler
Voice/Video Engineer

Jeff Secrest
Superintendent of Maintenance

Gaylene Smith
Administrative Assistant to Vice President for Student Affairs
Ken Smith
Executive Director
of The William Taylor Foundation

Linda Solms
Nurse

Marty Songer
Director of Alumni Relations

Charles Stevens
Associate Director of Development/Church Matching Grants/Scholarships

Jean St. John
Projects Accounting Coordinator

Larry Stoffel
Network/Systems Engineer

Kay Stouse
Assistant Director of Financial Aid

Trina Stout
Registrar Information/Research Specialist

Ronald Sutherland
Associate Vice President/Controller

Joyce Taylor
Administrative Assistant
to Vice President for Development

Ken Taylor
Associate Director
Prospective Student Services

Tim Taylor
Residence Hall Director

Johanna Thalacker
Admissions Counselor

Scott Wilson
Sports Information Director

Scott Wohlfarth
Programmer/Analyst

James Wolff
Database Administrator/Systems Analyst

Joyce Wood
Director of Conferences and Special Events

---

**NATIONAL ALUMNI COUNCIL 1999-2000**

Burnette P. Shilling '70
President
Bluffton, Ohio

Robert Blume '62
President Elect
Anderson, Indiana

Jayanne Housholder Roggenbaum '87
Past President
Waterford, Michigan

Melody Rohrer Ringenberg, '83
Secretary
Apopka, Florida

David L. Burden '97
Franklin, Tennessee

Jerod Cornelius '00
Upland, Indiana

Beverly Corts '61
Amherst, Ohio

Robert A. Duell '68
Goshen, Indiana

Nancy Britt Hagestad '98
Fishers, Indiana

Thomas G. Jones '71
Fairmount, Indiana

Cairy B. Littlejohn '91
Naperville, Illinois

Janna McComb '85
Indianapolis, Indiana

Jodi Simons Mulder '96
Ann Arbor, Michigan

Joshua A. Mullen '99
Indianapolis, Indiana

Leon Nickelsen '53
Indianapolis, Indiana

David D. Pyle '70
Lakewood, Colorado

Elisabeth Koppin Rickner '70
New Bern, North Carolina

Cynthia Krauss Russell '86
Grabill, Indiana

Barbara Demarest Schwarzkopf '63
Decatur, Indiana

John W. Siefer '76
Indianapolis, Indiana

Michael J. Sonnenberg '68
Montreal, North Carolina

Ronald Valutis '59
East Lansing, Michigan

---

**PARENTS CABINET 2000-2001**

James and Gayle Bartal
Granville, Ohio

Tom and Helen Beers
Honorary Members
Upland, Indiana

David and Gwen Broucek
Wheaton, Illinois

Robert and Charlotte Canida
Madison, Indiana

Jim and Ellen Elwell
Wheaton, Illinois

Ramon and Lorie Esclamado
Solon, Ohio

Gary and Diane Feenstra
Holland, Michigan

Stephen and Deb Johnson
Frederick, Maryland

James and Renee Keller
Orlando, Florida

Russell and Carol Kinnebrew
Medina, Ohio

James and Susan McCabe
Tyrone, Georgia

Gerald and Donna McNary
Dunkirk, Indiana

James and Kathy Miller
Reistertown, Maryland

Richard and Elaine Newman
Athens, Tennessee

Earl and Anita Nowlen
Indianapolis, Indiana

Michael and Dianne Reed
Haddon Heights, New Jersey

Deno and Samme Rousopoulos
Indianapolis, IN

Roger and Jan Spoelman
North Muskegon, Michigan

Sheryl Stonecipher
Wapakoneta, Ohio
## 2000-2001 ACADEMIC YEAR

### Fall Term 2000

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 23-25, Wednesday-Friday</td>
<td>Colleagues College (faculty)</td>
</tr>
<tr>
<td>August 25-28, Friday-Monday</td>
<td>Welcome Weekend (New Student Orientation)</td>
</tr>
<tr>
<td>August 29, Tuesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September 4, Monday, Labor Day</td>
<td>No day classes; classes resume at 5:00 p.m.</td>
</tr>
<tr>
<td>September 11-15, Monday-Friday</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>September 29, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>September 29-October 1, Friday-Sunday</td>
<td>Homecoming Weekend</td>
</tr>
<tr>
<td>October 13-15, Friday-Sunday</td>
<td>Parents Weekend</td>
</tr>
<tr>
<td>October 20, Friday</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>October 20, Friday</td>
<td>Fall break</td>
</tr>
<tr>
<td>October 27, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>November 6-10, Monday-Friday</td>
<td>World Opportunities Week</td>
</tr>
<tr>
<td>November 21, Tuesday</td>
<td>Thanksgiving holiday begins after last class</td>
</tr>
<tr>
<td>November 26-27, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>December 11-14, Monday-Thursday</td>
<td>Evaluation week</td>
</tr>
</tbody>
</table>

### Interterm 2001

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 8, Monday</td>
<td>Interterm begins</td>
</tr>
<tr>
<td>January 15, Monday</td>
<td>Martin Luther King, Jr. Day observance</td>
</tr>
<tr>
<td>January 31, Wednesday</td>
<td>Interterm ends after last class</td>
</tr>
</tbody>
</table>

### Spring Term 2001

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 5, Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>February 12-16, Monday-Friday</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>March 12-16, Monday-Friday</td>
<td>Relational Enrichment Week</td>
</tr>
<tr>
<td>March 16, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>March 23, Friday</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>March 23, Friday</td>
<td>Spring vacation begins after last class</td>
</tr>
<tr>
<td>April 2, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 12, Thursday</td>
<td>Easter break begins after last class</td>
</tr>
<tr>
<td>April 17, Tuesday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 20-22, Friday-Sunday</td>
<td>Youth Conference</td>
</tr>
<tr>
<td>April 27, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>May 21-24, Monday-Thursday</td>
<td>Evaluation week</td>
</tr>
<tr>
<td>May 26, Saturday, 10:00 a.m.</td>
<td>Commencement ceremony</td>
</tr>
</tbody>
</table>

### May Summer Session 2001

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>May 30-June 22</td>
<td>May Session</td>
</tr>
<tr>
<td>May 30, Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 15-16, Friday-Saturday</td>
<td>Summer Orientation/Fall Registration</td>
</tr>
<tr>
<td>June 22, Friday</td>
<td>Classes end after last class</td>
</tr>
</tbody>
</table>

### June Summer Session 2001

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event</th>
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<tbody>
<tr>
<td>June 25-July 27</td>
<td>June Session</td>
</tr>
<tr>
<td>June 25, Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 4, Wednesday, Independence Day</td>
<td>No classes</td>
</tr>
<tr>
<td>July 13-14, Friday-Saturday</td>
<td>Summer Orientation/Fall Registration</td>
</tr>
<tr>
<td>July 27, Friday</td>
<td>Classes end after last class</td>
</tr>
</tbody>
</table>
## 2001-2002 ACADEMIC YEAR

### Fall Term 2001

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 22-24, W-F</td>
<td>Colleagues College (faculty)</td>
</tr>
<tr>
<td>August 24-27, F-M</td>
<td>Welcome Weekend</td>
</tr>
<tr>
<td>August 28, T</td>
<td>(New Student Orientation)</td>
</tr>
<tr>
<td>September 3, M, L Day</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September 10-14, M-F</td>
<td>No day classes; classes resume</td>
</tr>
<tr>
<td>September 28, F</td>
<td>at 5:00 p.m.</td>
</tr>
<tr>
<td>October 5-7, F-S</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>October 19, F</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>October 19, F</td>
<td>Homecoming Weekend</td>
</tr>
<tr>
<td>October 26, F</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>October 26-28, F-S</td>
<td>Fall break</td>
</tr>
<tr>
<td>November 5-9, M-F</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>November 20, T</td>
<td>Parents Weekend</td>
</tr>
<tr>
<td>November 26, M</td>
<td>World Opportunities Week</td>
</tr>
<tr>
<td>December 10-13, M-T</td>
<td>Thanksgiving holiday begins after last class</td>
</tr>
<tr>
<td></td>
<td>Classes resume</td>
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</table>

### Interterm 2002

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>January 7, M</td>
<td>Interterm begins</td>
</tr>
<tr>
<td>January 21, M</td>
<td>Martin Luther King, Jr. Day observance</td>
</tr>
<tr>
<td>January 30, W</td>
<td>Interterm ends after last class</td>
</tr>
</tbody>
</table>

### Spring Term 2002

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>February 4, M</td>
<td>Classes begin</td>
</tr>
<tr>
<td>February 11-15, M-F</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>March 15, F</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>March 18-22, M-F</td>
<td>Relational Enrichment Week</td>
</tr>
<tr>
<td>March 22, F</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>March 22, F</td>
<td>Spring vacation begins after last class</td>
</tr>
<tr>
<td>April 2, T</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 19-21, F-S</td>
<td>Youth Conference</td>
</tr>
<tr>
<td>May 3, F</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>May 20-23, M-T</td>
<td>Evaluation week</td>
</tr>
<tr>
<td>May 25, S, 10:00 a.m.</td>
<td>Commencement ceremony</td>
</tr>
</tbody>
</table>

### May Summer Session 2002

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 29-June 21</td>
<td>May Session</td>
</tr>
<tr>
<td>May 29, W</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 14-15, F-S</td>
<td>Summer Orientation/Fall Registration</td>
</tr>
<tr>
<td>June 21, F</td>
<td>Classes end after last class</td>
</tr>
</tbody>
</table>
## 2002-2003 ACADEMIC YEAR

### Fall Term 2002

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 28-30, Wednesday-Friday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>August 30-September 2, Friday-Monday</td>
<td>Welcome Weekend (New Student Orientation)</td>
</tr>
<tr>
<td>September 3, Tuesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September 16-20, Monday-Friday</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>September 27, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>October 4-6, Friday-Sunday</td>
<td>Parents Weekend</td>
</tr>
<tr>
<td>October 18-20, Friday-Sunday</td>
<td>Homecoming Weekend</td>
</tr>
<tr>
<td>October 25, Friday</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>October 25, Friday</td>
<td>Fall break</td>
</tr>
<tr>
<td>November 1, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>November 4-8, Monday-Friday</td>
<td>World Opportunities Week</td>
</tr>
<tr>
<td>November 26, Tuesday</td>
<td>Thanksgiving holiday begins after last class</td>
</tr>
<tr>
<td>December 2, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>December 16-19, Monday-Thursday</td>
<td>Evaluation week</td>
</tr>
</tbody>
</table>

### Interterm 2003

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 6, Monday</td>
<td>Interterm begins</td>
</tr>
<tr>
<td>January 20, Monday</td>
<td>Martin Luther King, Jr. Day observance</td>
</tr>
<tr>
<td>January 29, Wednesday</td>
<td>Interterm ends after last class</td>
</tr>
</tbody>
</table>

### Spring Term 2003

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 3, Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>February 10-14, Monday-Friday</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>March 10-14, Monday-Friday</td>
<td>Relational Enrichment Week</td>
</tr>
<tr>
<td>March 14, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>March 21, Friday</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>March 21, Friday</td>
<td>Spring vacation begins after last class</td>
</tr>
<tr>
<td>March 31, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 17, Thursday</td>
<td>Easter break begins after last class</td>
</tr>
<tr>
<td>April 22, Tuesday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 25-27, Friday-Sunday</td>
<td>Youth Conference</td>
</tr>
<tr>
<td>May 2, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>May 19-22, Monday-Thursday</td>
<td>Evaluation week</td>
</tr>
<tr>
<td>May 24, Saturday, 10:00 a.m.</td>
<td>Commencement ceremony</td>
</tr>
</tbody>
</table>

### May Summer Session 2003

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 28-June 20</td>
<td>May Session</td>
</tr>
<tr>
<td>May 28, Wednesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>June 20-21, Friday-Saturday</td>
<td>Summer Orientation/Fall Registration</td>
</tr>
<tr>
<td>June 20, Friday</td>
<td>Classes end after last class</td>
</tr>
</tbody>
</table>

### June Summer Session 2003

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 23-July 25</td>
<td>June Session</td>
</tr>
<tr>
<td>June 23, Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 4, Friday, Independence Day</td>
<td>No classes</td>
</tr>
<tr>
<td>July 11-12, Friday-Saturday</td>
<td>Summer Orientation/Fall Registration</td>
</tr>
<tr>
<td>July 25, Friday</td>
<td>Classes end after last class</td>
</tr>
</tbody>
</table>
# 2003-2004 ACADEMIC YEAR

## Fall Term 2003

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 27-29, Wednesday-Friday</td>
<td>Colleagues College (faculty)</td>
</tr>
<tr>
<td>August 29-September 1, Friday-Monday</td>
<td>Welcome Weekend</td>
</tr>
<tr>
<td>September 2, Tuesday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>September 15-19, Monday-Friday</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>September 26, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>October 10-12, Friday-Sunday</td>
<td>Homecoming Weekend</td>
</tr>
<tr>
<td>October 17, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>October 24, Friday</td>
<td>Fall break</td>
</tr>
<tr>
<td>October 24, Friday</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>October 31-November 2, Friday-Sunday</td>
<td>Parents Weekend</td>
</tr>
<tr>
<td>November 3-7, Monday-Friday</td>
<td>World Opportunities Week</td>
</tr>
<tr>
<td>November 25, Tuesday</td>
<td>Thanksgiving holiday begins after last class</td>
</tr>
<tr>
<td>December 1, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>December 15-18, Monday-Thursday</td>
<td>Evaluation week</td>
</tr>
</tbody>
</table>

## Interterm 2004

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 5, Monday</td>
<td>Interterm begins</td>
</tr>
<tr>
<td>January 19, Monday</td>
<td>Martin Luther King, Jr. Day observance</td>
</tr>
<tr>
<td>January 28, Wednesday</td>
<td>Interterm ends after last class</td>
</tr>
</tbody>
</table>

## Spring Term 2004

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 2, Monday</td>
<td>Classes begin</td>
</tr>
<tr>
<td>February 9-13, Monday-Friday</td>
<td>Spiritual Renewal Week</td>
</tr>
<tr>
<td>March 8-12, Monday-Friday</td>
<td>Relational Enrichment Week</td>
</tr>
<tr>
<td>March 19, Friday</td>
<td>Midterm grades due</td>
</tr>
<tr>
<td>March 19, Friday</td>
<td>Spring vacation begins after last class</td>
</tr>
<tr>
<td>March 29, Monday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 2, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>April 8, Thursday</td>
<td>Easter break begins after last class</td>
</tr>
<tr>
<td>April 13, Tuesday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 23-25, Friday-Sunday</td>
<td>Youth Conference</td>
</tr>
<tr>
<td>May 7, Friday</td>
<td>Campus Visitation Day</td>
</tr>
<tr>
<td>May 17-20, Monday-Thursday</td>
<td>Evaluation week</td>
</tr>
<tr>
<td>May 22, Saturday, 10:00 a.m.</td>
<td>Commencement ceremony</td>
</tr>
</tbody>
</table>
Taylor University complies with applicable federal and state statutes related to institutions of higher education, including the Student Right to Know Act of 1990, as amended, the Federal Family Rights and Educational Privacy Act of 1974, as amended; the Americans with Disabilities Act of 1990, as amended; Section 504 of the Rehabilitation Act of 1973; and all federal and state nondiscrimination laws.

Services for Students with Disabilities
Taylor University complies with the federal mandates outlined in Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Reasonable accommodations are made to give students with documentation of their disabilities an equal opportunity for success. These services are provided through the Learning Support Center located in the Zondervan Library.

The Student Right to Know Act of 1990
The Student Right To Know Act of 1990 (Public law 101-542 as amended) requires colleges and universities to maintain records of student enrollment, graduation, and participation in athletically-related financial aid. This data is available upon request from the Office of Institutional Research, Taylor University, 236 West Reade Avenue, Upland, IN 46989-1001.

Taylor Policy of Nondiscrimination and Compliance
It is the policy of Taylor University to provide equal employment opportunity to employees and candidates for employment. Within the parameters of the university's Statement of Faith and Life Together Covenant, no discrimination shall exist against any employee or candidate for employment due to race, color, national origin, or sex. This policy is applicable to the policies governing recruitment, placement, selection, promotion, training, transfer, rates of pay, and all other terms and conditions of employment.

Compliance with this policy is the personal responsibility of all personnel, especially those whose duties are related to the hiring of new employees and the status or tenure of current employees. The university is committed to recruiting, employing, and promoting qualified members of groups who have not been discriminated against by the university but may be the victims of systematic, institutional, and societal forms of exclusion and discrimination. Further, as an Equal Opportunity/Affirmative Action Employer, the university will cooperate fully in the implementation of applicable laws and executive orders.

As an equal opportunity institution, Taylor University complies with all federal and state nondiscrimination laws. Direct inquiries to the Office of Academic Affairs, Taylor University, 236 West Reade Avenue, Upland, IN 46989-1001, 765-998-5204, or the Office of Civil Rights, D.H.E.W., Washington, D.C.
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
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</thead>
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<tr>
<td>Academic Calendar Description</td>
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<td>Academic Program in France</td>
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<td>Academic Programs List</td>
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<td>Academic Progress</td>
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<td>Accreditation and Memberships</td>
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<td>Administration</td>
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<td>Admissions</td>
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<td>Associate of Arts Degree Programs</td>
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**AN INTERESTED FRIEND?**

Perhaps you have a friend that you would like to have receive Taylor information.

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