



UNION UNIVERSITY

2012-2013

Undergraduate Academic Catalogue

Announcements For the One Hundred and Eighty-Ninth Year



UNION UNIVERSITY

Since 1823

This publication is intended as a description of the academic programs and activities of Union University. While it is not an offer to make a contract, it is offered as a comprehensive description that can serve as a guide for students contemplating study or already enrolled at Union University.

The administration and faculty believe that the educational and other programs of the University described in this catalogue are effective and valuable. The ultimate results of programs offered in terms of achievement, employment, professional licensing, or other measures, are dependent on factors outside the programs, such as the personality and energy of the student, governmental or institutional regulations, and market conditions. Therefore, except as specifically stated herein, the University makes no representation or contract that following a particular course or curriculum will result in specific achievement, employment or qualification for employment, admission to degree programs, or licensing for particular professions or occupations.

In compliance with all applicable state and federal law, including provisions of Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, Union University does not illegally discriminate on the basis of race, sex, color, national origin, age, disability, or military service in admissions; in the administration of its education policies, programs, or activities; or in employment. Under federal law, the University may discriminate on the basis of religion in order to fulfill its purposes. Persons who believe their rights under this policy have been violated should contact the Office of the President.

In compliance with its duties under state and federal law, Union University makes annual reports of campus crime statistics, campus security policies, graduation rates, and completion rates for the Teacher Education Program. These reports are available on the Parents Page of our web site, www.uu.edu and also by request in the Office of Enrollment Services and the Office of Safety and Security.

2012

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Our Identity

Union University is an academic community, affiliated with the Tennessee Baptist Convention, equipping persons to think Christianly and serve faithfully in ways consistent with its core values of being excellence-driven, Christ-centered, people-focused, and future-directed. These values shape its identity as an institution which prioritizes liberal arts based undergraduate education enhanced by professional and graduate programs. The academic community is composed of quality faculty, staff, and students working together in a caring, grace-filled environment conducive to the development of character, servant leadership, and cultural engagement.

Our Core Values

- **Excellence-Driven:** We believe that excellence, not mere compliance, is the goal of our teaching, our research, and our service. We are not motivated to excellence out of pride but out of a desire to do all things for God's glory because He cares about our work and wants to be involved in everything we do. We will not be satisfied with mediocrity, but will pursue excellence in all things. This means our truth claims carry with them the challenge of living out that truth in the minutes and hours of our daily life. Thus we will pursue excellence, without arrogance.
- **Christ-Centered:** A cohering core value of our guiding vision is a call to faith, a call to be Christ centered in all that we are and in all that we do. We will seek to build a Christian liberal arts based community where men and women can be introduced to an understanding
- and appreciation of God, His creation and grace, and to humanity's place of privilege and responsibility in this world. We will seek to establish all aspects of life and learning on the Word of God, leading to a firm commitment to Christ and His Kingdom. To be a Christ-centered institution calls for us to establish the priority of worship and service in the Christian life while seeking to develop a generation of students who can be agents of reconciliation to a factious church in a hurting and broken world. This commitment calls for all faculty and staff to integrate Christian faith in all learning and doing, based on the supposition that all truth is God's truth and that there is no contradiction between God's truth made known to us in Holy Scripture and that which is revealed to us through creation and natural revelation.
- **People-Focused:** A third pillar on which we will build our common commitments is the core value of being people focused. At the heart of our commitment to being people focused is the visible demonstration of valuing one another. We will give honor to one another through our words and actions, and by committing to each person's success. We therefore jointly commit ourselves to the success of Union University.
- **Future-Directed:** We will seek to maximize the windows of opportunity the Lord has presented to us to the greatest degree that resources allow. All of our resources and efforts must, by God's grace, be maximized to fulfill our common mission. A commitment to being future directed means we want to have a short-term focus and a long term view. We want to involve ourselves in efforts that prepare us effectively to impact the world of the 21st Century.

Our Mission

Union University provides Christ-centered education that promotes excellence and character development in service to Church and society.

Our History

Union University is an heir of three antebellum Tennessee schools—West Tennessee College and its predecessor, Jackson Male Academy, both located at Jackson, and of Union University, located at Murfreesboro—and it is the inheritor of another college in 1927, Hall-Moody Junior College of Martin, Tennessee.

Jackson Male Academy, founded in 1823 shortly after the opening of West Tennessee for settlement, was chartered by the legislature in 1825, making it the oldest school currently affiliated with Southern Baptist life.

West Tennessee College originated in the mid-1840s when supporters of the Academy secured a charter for a college and received an endowment from the state to

come from the sale of public lands. Under its charter, the property rights and governance of the Jackson Male Academy were vested in the trustees of the College. The College offered three degrees—bachelor of arts, bachelor of philosophy, and master of arts—and had four departments: Moral Philosophy, Languages, Mathematics, and Natural Philosophy and Chemistry. West Tennessee College continued until 1874, when at a time of depressed economic conditions, the trustees offered the College's buildings, grounds, and endowment to Tennessee Baptists in the hopes of attracting a southwestern regional university planned by the state's Baptist leaders.

Meanwhile, after years of discussion and the raising of an endowment, the Baptists of Middle Tennessee (there were three separate conventions in Tennessee at that time) in 1848 established Union University at Murfreesboro, near the geographical center of the state. Union University came upon hard times when in 1859 its highly respected president, Dr. Eaton, died and when during the Civil War its campus was badly damaged. It reopened in

1868 only to close again in 1873, largely because of its financial condition and an epidemic of cholera.

Southwestern Baptist University, the immediate predecessor of the present Union University, originated because of a desire by Tennessee Baptists, who still had a separate convention for each of the state's three Grand Divisions, for greater unification. Education became the core issue around which such unification was promoted. Committees of the three conventions met jointly in Humboldt in 1873 and issued a resolution supporting the establishment of a first-class regional university. An Educational Convention met in Murfreesboro in 1874, and following that a committee was appointed to select a location for the proposed university. The committee recommended the acceptance of the offer made by the citizens of Jackson to assume ownership of West Tennessee College.

In September 1874, the new institution opened at Jackson as an academy, and in 1875 it was chartered as Southwestern Baptist University. In 1907, Dr. T. T. Eaton, a trustee at Southwestern from its beginning, bequeathed his 6,000 volume library to the college. He was a former professor at Union University at Murfreesboro, where his father, Dr. Joseph H. Eaton, had been president. Shortly thereafter the name of Southwestern Baptist University was changed to Union University to honor the Eatons and others from Union at Murfreesboro who had made a major impact on Southwestern as faculty, administrators, trustees, and contributors. In a further move to unify its educational efforts, the Tennessee Baptist Convention in 1925 secured a new charter which vested all rights, authority, and property of Union University in the Convention, including the election of the University's trustees. Two years later, the Convention was able to consolidate Hall-Moody Junior College at Martin (1900-1927) with Union University. During the 1920s, Union discontinued its graduate program, its Law Department, and its high school and added a bachelor of music degree program.

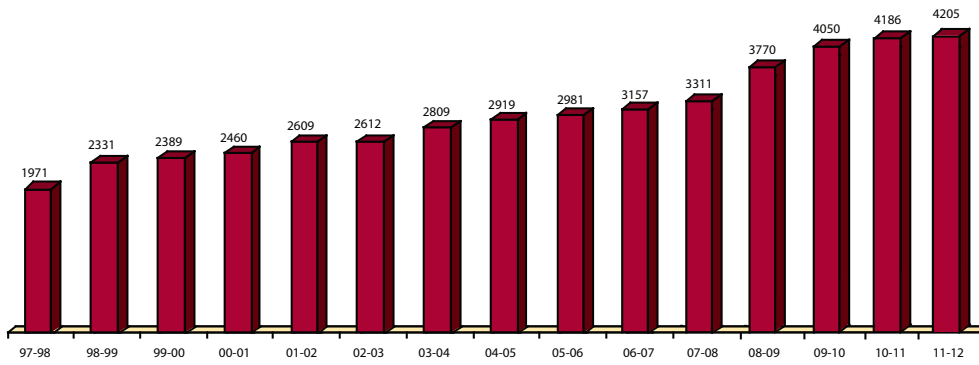
After a major fire in 1912, several new buildings were constructed, including the centerpiece of the campus for the next 60 years, Barton Hall. In 1948, during the administration of President Warren F. Jones (1945-62), the Southern Association of Colleges and Schools granted Union University its original accreditation. In 1962, at the request of local physicians, Union developed a nursing program with the assistance of Jackson-Madison County General Hospital.

Because of an aging and landlocked campus, Union, in 1975, moved from near downtown to a new campus located along Highway 45-Bypass in north Jackson. During the administrations of President Robert Craig (1967-85) and President Hyran Barefoot (1987-1996), enrollment increased from less than 1,000 students to over 2,000; the multi-purpose Penick Academic Complex was enlarged several

times; many additional housing units were erected; and the Blasingame Academic Complex (1986) and the Hyran E. Barefoot Student Union Building (1994) were constructed. From the early 1950's to the early 1970's, Union operated an Extension Center in the Memphis area. From 1987-95, Union offered the degree completion program leading to the Bachelor of Science in Nursing (RN to BSN track) in Memphis. There were over 300 graduates of this program.

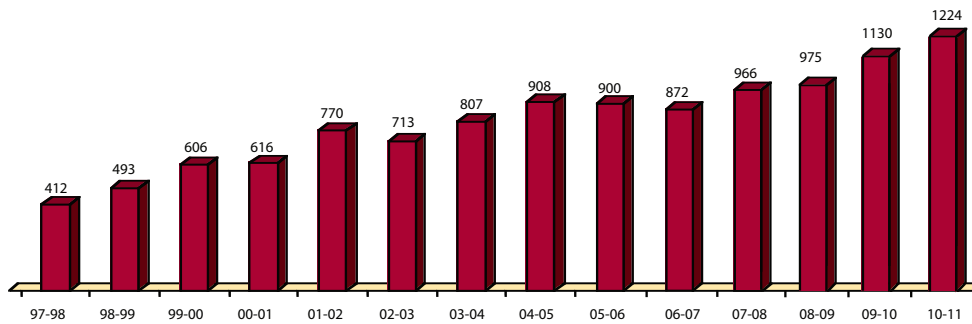
When David S. Dockery was elected as the fifteenth president of Union University in December 1995, he brought with him a compelling vision to build on a great tradition while taking Union to the next level of regional and national prominence in Christian higher education. The progress that has been made during this time has been remarkable: annual non-duplicating headcount increased from 2200 (in 1996) to more than 5190 (in 2011); significantly increased giving to Union, including seventeen of the largest commitments in Union history; instituted four five-year strategic plans; completed construction of nineteen residence halls, the Miller Tower, Jennings Hall, Hammons Hall, the Fesmire athletic facilities, White Hall, the Carl Grant Events Center, new residence life facilities, the Bowld Student Commons, and Providence Hall; launched the \$110 million comprehensive "Building a Future" campaign; renewed commitment to scholarship and research among Union faculty as a part of the establishment of the Center for Faculty Development; added new undergraduate majors in political science, physics, theology, digital media studies, church history, ethics, sports management, sports medicine, engineering; and graduate programs in education (M.Ed., M.U.Ed., Ed.S., and Ed.D.), nursing (MSN with tracks in education, administration, nurse practitioner, and nurse anesthesia), intercultural studies (MAIS), Social Work (MSW), and Pharmacy (Pharm.D.); SACS Level VI accreditation was achieved; programs were added in undergraduate research; began LIFE group programs, student retention programs, student mission involvement, giftedness assessment program for freshman students; established extension campuses in Germantown and Hendersonville, TN, which now have almost 850 students; established the Carl F.H. Henry Center for Christian Leadership; established the Charles Colson Chair for Faith and Culture, Stephen Olford Chair of Expository Preaching, Hammons Chair of Pre-Medical Study, and the Baptist Memorial Health Care Chair of Pharmacy Practice; established highly successful annual Scholarship Banquet; and achieved top tier recognition in U.S. News and World Report and other important listings. In 2008 Union was named one of the top 70 "Universities to Watch" in the entire country.

In many respects, Union University is in the strongest position in its history. For example, the University has enjoyed steady enrollment growth for a number of years, as can be seen in the following charts:



Union University Annual Fall Enrollment

Another indicator of the University’s health and vitality is the growth in the number of students completing programs at Union. As indicated below, this past year almost 1000 students graduated from Union, a 149% increase over the 96-97 school year:



Key enrollment and financial indicators are monitored by University officials regularly to determine trends and to provide data for critical decision-making and analysis, including:

Key Enrollment Indicators	1996	2011
Fall Enrollment	1972	4205
Non-duplicating headcount	2183	5190
# of states/ countries	31/14	42/33
% of male/ female	35/65%	41/59%
% of minority students	5%	19%

Our Statement of Faith

- The Scriptures.** The Scriptures of the Old and New Testament were given by inspiration of God, and are the only sufficient, certain and authoritative rule of all saving knowledge, faith, and obedience.
- God.** There is but one God, the Maker, Preserver and Ruler of all things, having in and of Himself, all perfections, being infinite in them all; and to Him all creatures owe the highest love, reverence and obedience. He exists eternally in three persons: Father, Son, and Holy Spirit each with distinct personal attributes, but without division of nature, essence or being. God ordains or permits all things that come to pass, and perpetually upholds, directs and governs all creatures and all events; yet so as not to destroy the free will and responsibility of intelligent creatures.

- Humankind.** God originally created humankind in His image, and free from sin; but through the temptation of Satan, they transgressed the command of God, and fell from their original righteousness, whereby all humans have inherited a sinful nature that is opposed to God, and are thus under condemnation. As soon as they are capable of moral action, they become actual transgressors.
- Jesus Christ.** The second person of the Trinity is the eternal Son of God. In his incarnation Jesus Christ was conceived by the Holy Spirit and born of the virgin Mary. Jesus perfectly revealed and did the will of God, taking upon Himself human nature, yet without sin. He honored the divine law by His personal obedience, and by His substitutionary death on the cross He made provision for our redemption from sin. He was buried

- and rose again the third day, and ascended to His Father, at whose right hand He lives to make intercession for His people. He is the only Mediator, the Prophet, Priest and King of the Church, and Sovereign of the universe.
- Holy Spirit.** The Holy Spirit is the Spirit of God, fully divine, who exalts Jesus Christ. The Spirit convicts men and women of sin, of righteousness, and judgment, enabling them to understand the truth. He calls men and women to the Savior, and brings about regeneration, which is a renewal of heart and nature.
 - Salvation.** Salvation involves the redemption of the whole person, and is offered freely to all who believe in Jesus Christ as Lord and Savior; accepting and trusting in Him alone for justification and eternal life. Justification is God's gracious declaration of righteousness of sinners, who believe in Christ, from all sin, through the satisfaction that Christ has made. Believers are also sanctified by God's Word and Spirit dwelling in them. Sanctification is the process of progressing toward moral and spiritual maturity, enabled by the presence and power of the Holy Spirit. Those who are accepted in Christ and sanctified by the Holy Spirit will never totally nor finally fall away from

- the state of grace, but shall persevere to the end, and be kept by the power of God through faith unto salvation.
- The Church.** The Lord Jesus Christ is the Head of the Church, which is composed of all true followers of Christ, and in Him is invested supremely all power for its government. Christians are to associate themselves with local churches; and to each church is given the authority to administer order, to carry out ministry, to worship, and to practice discipline.
 - Last Things.** The bodies of humans after death return to dust, but their spirits return immediately to God—the righteous to rest with Him; the wicked to be reserved under darkness to the judgment. God in His own time and in His own way, will bring the world to its appropriate end. According to His promise, Jesus Christ will return personally and visibly in glory to the earth. At the last day, the bodies of all the dead, both just and unjust, will be raised. God has appointed a day, when He will judge the world by Jesus Christ, when all people shall receive according to their deeds; the wicked shall go into everlasting punishment; the righteous, into everlasting life.

External Associations

Accredited By

Union University is accredited by the *Commission on Colleges of the Southern Association of Colleges and Schools* to award associate, baccalaureate, master's, education specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia, 30033-4097 or call 404-679-4500 for questions about the accreditation of Union University.

Normal inquiries about the institution, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to the institution and not to the Commission's office.

The University also has the following discipline-specific accreditation:

*Accrediting Board for Engineering and Technology,
Engineering Accreditation Commission
American Chemical Society
Commission on Accreditation for Athletic
Training Education
Council on Accreditation of Nurse Anesthesia
Educational Programs
Commission on Collegiate Nursing Education
Council on Social Work Education
National Association of Schools of Art and Design
National Association of Schools of Music
National Council for Accreditation of Teacher Education
Teacher Education Program, Tennessee State
Department of Education
Tennessee Health Related Boards*

Candidate for Accreditation By

Association to Advance Collegiate Schools of Business

Accreditation in Process

Accreditation Council for Pharmacy Education

Member Of

American Association of Colleges of Nursing
American Association for Colleges of Teacher Education
American Association of Collegiate Registrars and
Admissions Officers
Association to Advance Collegiate Schools of Business
Association of Baccalaureate Social Work
Program Directors
Associations for Christians in Student Development
Association of Independent Liberal Arts Colleges for
Teacher Education
Association of Southern Baptist Colleges and Schools
Commission on Collegiate Nursing Education
Concurrent Admissions Program
Council for Christian Colleges and Universities
Council of Colleges of Arts and Sciences
Council on Undergraduate Research
Council for the Advancement and Support of Education
Evangelical Council for Financial Accountability
National Art Education Association
National Association of College Admissions Counselors
North American Association of Christians in Social Work
Service Members Opportunity Colleges
Southern Council of Collegiate Education for Nursing
Tennessee Association for Counseling and Development
Tennessee Association of Collegiate Registrars and
Admission Officers
Tennessee College Association
Tennessee Independent College and
Universities Association

The Campus

The uniqueness of the Union University campus, located on U.S. Highway 45 By-Pass and Union University Drive in Northwest Jackson, is related to the academic facilities and student housing. Union's campus is designed with the student as its axis. All facilities, programs, and personnel are interrelated in an attempt to meet the needs of students.

In addition to the main campus in Jackson, Union University opened a second campus in the Memphis suburb of Germantown, Tennessee in 1997. Because of the rapid growth of the campus, the faculty and staff offices, classrooms and computer lab facilities moved to a new location in June 2001. Continued demands for growth and expansion of programs warranted a renovation in 2003 to include additional nursing labs, classrooms, conference rooms and offices.

The Stephen Olford Center is an 18-acre facility in southeast Memphis which includes more than 40 hotel-style rooms for conference attendees; dining facilities; a patio and swimming pool; a newly donated library with about 32,000 volumes; classrooms and offices; and a chapel.

Union also has an off-campus site in Hendersonville, Tennessee. The Hendersonville campus is located at the strategic intersection of Indian Lake Blvd. and Maple Drive. The attractive 26,000 sq. ft. multi-purpose facility effectively serves the expanding program offerings in the middle Tennessee area.

An abbreviated description of Jackson campus facilities follows. A more detailed description of each building as well as the services available in each, is presented in the *Campus Life Handbook*, available at www.uu.edu/student-services/handbook.

Penick Academic Complex

The Penick Academic Complex houses the G.M. Savage Memorial Chapel, Fred DeLay Gymnasium, E.T. "Rocky" Palmer Activities Center, Office of Career Services, W. D. Powell Theatre, Waldrop Administrative Center, Union Station, Information Technology, Emma Waters Summar Library, Hundley Center for Academic Enrichment, and the Warren Jones Academic Suite. The Complex includes the Arts & Sciences departments of Art, Computer Science, Engineering, English, History, Language, Mathematics, Physics, Political Science, Psychology, and Sociology & Family Studies; the Education & Human Studies department of Physical Education, Wellness & Sport.

The Waldrop Administrative Center contains the offices of the Registrar, Business Services, Office of the Provost, Office of the President, and the Institute for International and Intercultural Studies.

The Emma Waters Summar Library has immediate access to a collection of over 150,000 books, 19,000 e-journals, and 40,000 e-books. Through membership in regional and national cooperatives it has access to the collections of over 41,000 libraries worldwide. It also maintains a safe comfortable environment for both individual and group study.

The Johnnie Tribble Shepard Archives and Genealogical Research Center and R. G. Lee Library are located in the library.

Fesmire Fields and Fieldhouse

The Fesmire Fields provide lighted playing fields for varsity baseball and softball. The Fesmire Field House provides indoor practice and dressing rooms for men and women's soccer, softball and baseball as well as athletic training rooms for sports injuries.

Smith Memorial Soccer Complex

The Smith Memorial Soccer Complex provides two competition fields, bleachers to accommodate 1,000 spectators, a press box, concession stand and rest room facilities.

Blasingame Academic Complex

The McAfee School of Business Administration and the College of Education and Human Studies are located in the Blasingame Academic Complex.

Hammons Hall

Hammons Hall contains the Offices of University Relations, Alumni Relations, Church Relations, University Communications, and University Press, as well as the LifeWay Bookstore.

Jennings Hall

Jennings contains the departments of Communication Arts and Music, and the School of Theology and Missions as well as the R. C. Ryan Center for Biblical Studies and Hartley Recital Hall.

White Hall

White Hall houses the departments of Biology and Chemistry as well as the School of Nursing.

The Edward P. Hammons Center for Scientific Studies is located in White Hall.

Providence Hall

Providence Hall houses the administrative and faculty offices and state of the art classrooms for the School of Pharmacy as well as the simulation labs for the School of Nursing and the Center for Excellence in Health Care Practice.

Luther Hall

Luther Hall provides the conference spaces for Church Relations and Seminary Extension, as well as the Community Music Program.

Center for Continuing and Professional Studies

Located at Emporium Drive, the Center contains the Testing Center for the university in addition to the offices and classrooms for Department of Continuing and Professional Studies.

Residence Halls

Single student housing is arranged in two residence complexes. Student apartments include four private bedrooms and a kitchen. The Heritage Residence Complex and the Ayers Quad primarily house new students/ freshmen. The McAfee Commons building in the Heritage Complex houses the Residence Director and Assistant Residence Director and provides facilities for lounge areas, laundry and recreation. The Grace, Hope, Hurt and Watters Quads house upperclassmen and a limited number of freshmen. The Bowld Student Commons Building houses male and female residence directors for The Quads. The Commons provides additional lounge, recreation, and classroom space.

Graduate and family housing is located in the Warmath Apartments. The complex consists of 20 two-bedroom apartments.

Hyran E. Barefoot Student Union Building

The Barefoot Student Union Building houses the Student Dining Hall, Executive Dining Room, Lexington Inn, Eldon Byrd Faculty Lounge, Barefoots Joe coffeehouse, Harvey Auditorium, University Services and Mail Services, offices for Student Services (Dean of Students, Assistant Dean of Students, Student Government Association, Student Activities Council, Counseling, Student Leadership Development, Residence Life, Health Services, Coordinator of University Activities, and Campus Security), offices of Undergraduate Admissions, Financial Planning, Enrollment Services, Campus Ministries (Missionary-In-Residence), and Prayer Chapel.

Carl Grant Events Center

The Carl Grant Events Center is named in honor of Carl J. Grant to recognize his generosity to and support for Union University. The beautiful state-of-the-art events center was designed to host significant conferences, dinners, banquets, and special events. This magnificent facility also contains the university's Heritage Center, a splendid pictorial presentation of the university, portraying many of the highlights in the university's history from 1823-2007.

2012-2013 UNDERGRADUATE CALENDAR

Accelerated Courses follow their specific calendars shown below.

Graduate and non-traditional faculty, staff, and students may follow program specific calendars.

Fall Semester 2012 (16-week semester, 2012FFA)

August

17–20, Friday–Monday Focus
17, Friday..... Residence Complexes Open for New Students Only
19, Sunday..... Residence Complexes Open for Returning Students
21, Tuesday..... Registration—Day Classes and 16-Week Evening Classes Begin
22–29, Wednesday–Wednesday..... *Late Registration
24, Friday..... Convocation
29, Wednesday..... *Last Day to Add a Class

September

3, Monday Labor Day Holiday
4, Tuesday..... *Deadline to Drop (course does not appear on transcript)

October

8, Monday *Academic Progress Reports Due
11–15, Thursday–Monday Fall Holiday
23, Tuesday..... *Deadline to Drop (course appears on transcript with "DR")

November

6, Tuesday..... Campus and Community : A Day of Remembrance and Service
8, Thursday Priority Registration Begins for Winter and Spring 2013
16, Friday..... **Residence Complexes Close
17–25, Saturday–Sunday Thanksgiving Holidays
25, Sunday..... Residence Complexes Open
30, Friday..... *Last Day to Withdraw from All Fall Classes%

December

7, Friday..... Reading/Review Day
10–13, Monday–Thursday *Final Examinations
13, Thursday **Residence Complexes Close
15, Saturday Graduation

Winter Term 2013 (4-week accelerated semester, 2013FWI)

January

1, Tuesday..... Residence Complexes Open
2, Wednesday Day Registration—Classes Begin
3, Thursday Registration Closes for Monday/Thursday Accelerated--Classes Begin
3, Thursday Late Registration for Day Classes
3, Thursday Last Day to Add a Class
7, Monday Deadline to Drop (course does not appear on transcript)
15, Tuesday..... Deadline to Drop (course appears on transcript with "DR")
21, Monday Last Day to Withdraw from All Winter Classes in Progress%
25, Friday..... Final Examinations
25, Friday..... **Residence Complexes Close

Spring Semester 2013 (16-week semester, 2013FSP)

January

28, Monday Residence Complexes Open for Students with Monday February Accelerated Classes
29, Tuesday..... Residence Complexes Open for New/Returning Students
30, Wednesday Registration—Day Classes and 16-Week Evening Classes Begin
31–Feb. 6, Thursday–Wednesday *Late Registration

February

6, Wednesday *Last Day to Add a Class
 13, Wednesday *Deadline to Drop (course does not appear on transcript)

March

18, Monday *Academic Progress Reports Due
 22, Friday *Residence Complexes Close
 23, Saturday–Monday April 1 Spring Holidays

April

3, Wednesday *Deadline to Drop (course appears on transcript with "DR")
 18, Thursday *Priority Registration Begins for Summer and Fall 2013
 30, Tuesday Union University Scholarship Symposium

May

3, Friday Last Day to Withdraw from All Spring Classes%
 13–16, Monday–Thursday *Final Examinations
 16, Thursday **Residence Complexes Close
 18, Saturday Graduation

Summer Terms, 2013**First Term/June (4-week accelerated semester, 20131S)****June**

2, Sunday Residence Complexes Open
 3, Monday Registration—Day and Evening Classes Begin
 4, Tuesday Late Registration; Last Day to Add a Class
 6, Thursday Deadline to Drop (course does not appear on transcript)
 11, Tuesday Deadline to Drop (course appears on transcript with "DR")
 17, Monday Class Holiday for June Term & New Student Registration
 25, Tuesday Last Day to Withdraw from All Term I Classes
 28, Friday Final Examinations
 28, Friday **Residence Complexes Close

Second Term/July (4-week accelerated semester, 20132S)**June**

30, Sunday Residence Complexes Open

July

1, Monday Registration—Day and Evening Classes Begin
 2, Tuesday Late Registration; Last Day to Add a Class
 4, Thursday Independence Day Holiday
 5, Friday Deadline to Drop (course does not appear on transcript)
 15, Monday Deadline to Drop (course appears on transcript with "DR")
 23, Tuesday Last Day to Withdraw from all Term II Classes
 26, Friday Final Examinations
 26, Friday **Residence Complexes Close
 27, Saturday Adult Studies and Graduate Studies Summer Graduation

Third Term/August (3-week accelerated semester, 20133S)**July**

29, Monday Registration, Classes Begin and Last Day to Add
 31, Wednesday Deadline to Drop (course does not appear on transcript)

August

9, Thursday Deadline to Drop (course appears on transcript with "DR")
 14, Wednesday Last Day to Withdraw from Term III Classes
 16, Friday Final Examinations

Extended Term/June – July (8-week accelerated semester, 2013XS)

See 8-week calendars following

* Refers to both evening and day classes which meet the full Fall and Spring Semester.

** Residents will not be housed between terms and during holidays without permission of the Director of Resident Life.

% Excludes accelerated and cohort classes already completed.

Final Examinations Fall & Spring Semesters

Hours for Exam	1st Day	2nd Day	3rd Day	4th Day
8 - 10 am	8:00 MWF	8:00 TR	9:00 MWF	10:50 TR
11 am - 1 pm	1:00 MWF	12:15 TR	12:00 MWF	1:40 TR
2 - 4 pm	11:00 MWF	9:25 TR	2:00 MWF	3:05 TR

Classes which meet at other times will be scheduled by the instructor and the College/School Dean.
See "Academic Programs" section of the *Catalogue* for policies regarding Final Examinations.

Accelerated 8-Week Calendars

Full Semester Courses will follow the same academic calendar as regular day courses shown above.
Graduate and non-traditional faculty, staff, and students may follow program specific calendars.

Fall Semester 2012 Accelerated Courses

August 8-Week Accelerated Semester, 2012 (2012AFA)

August

20, Monday..... Registration Closes for Monday Accelerated/Classes Begin
21, Tuesday..... Registration Closes for Tuesday Accelerated/Classes Begin
23, Thursday..... Registration Closes for Thursday Accelerated/Classes Begin
24, Friday..... Registration Closes for Saturday Accelerated
25, Saturday..... Saturday Accelerated Classes Begin
27, Monday..... Deadline to Drop (course does not appear on transcript)

September

3, Monday..... Labor Day Holiday
5, Wednesday..... Additional Monday Evening August Accelerated
12, Wednesday..... Additional Class for Thursday Evening August Accelerated
13, Thursday..... Deadline to Drop (course appears on transcript with "DR")
27, Thursday..... Last Day to withdraw from an August Accelerated Class

October

4–9, Thursday–Tuesday..... Final Exams for August Accelerated Classes

October 8-Week Accelerated Semester, 2012 (2012OFA)

October

15, Monday..... Registration Closes for Monday Accelerated/Classes Begin
16, Tuesday..... Registration Closes for Tuesday Accelerated/Classes Begin
18, Thursday..... Registration Closes for Thursday Accelerated /Classes Begin
19, Friday..... Registration Closes for Saturday Accelerated Classes
20, Saturday..... Saturday Accelerated Classes Begin
22, Monday..... Deadline to Drop (course does not appear on transcript)

November

8, Thursday	Priority Registration Begins for Winter and Spring 2013
8, Thursday	Deadline to Drop (course appears on transcript with "DR")
20, Tuesday.....	Last Day to Withdraw from October Accelerated Classes
19–25, Monday–Sunday	Thanksgiving Holidays

December

8–13, Saturday–Thursday	Final Exams for October Accelerated Classes
15, Saturday	Graduation

Winter Term, 2013 (4-week Accelerated Semester, 2013FWI)**January**

1, Tuesday.....	Evening Classes Begin/Registration Closes with the 1st Meeting of Each Class
7, Monday	Deadline to Drop (course does not appear on transcript)
17, Thursday	Deadline to Drop (course appears on transcript with "DR")
21, Monday	Last Day to Withdraw from All Winter Classes
24-26, Thursday-Saturday	Final Exams for a Winter Accelerated Evening Class

Special Projects Winter Term, 2013 (11-week Semester for approved projects, 2013CWI)

November 8	Winter Special Projects Classes May Begin
Between December 26 and January 25	When applicable, Class Tour or Study Abroad occurs as announced
January 25	Deadline for Project completion

Spring Semester, 2013 Accelerated Courses**February Accelerated 8-Week Semester, 2013 (2013BSP)****January**

28, Monday	Registration Closes for Monday Accelerated/Classes Begin
29, Tuesday.....	Registration Closes for Tuesday Accelerated/Classes Begin
30, Thursday	Registration Closes for Thursday Accelerated/Classes Begin

February

1, Friday.....	Registration Closes for Saturday Accelerated Classes
2, Saturday	Saturday Accelerated Classes Begin
4, Monday	Deadline to Drop (course does not appear on transcript)
25, Monday	Deadline to Drop (course appears on transcript with "DR")

March

8, Friday.....	Last Day to Withdraw from February Accelerated Classes
16–21, Saturday–Thursday	Final Exams for February Accelerated Session

April 8-Week Accelerated Semester, 2013 (2013ASP)**April**

1, Monday	Registration Closes for Monday Accelerated/Classes Begin
2, Tuesday.....	Registration Closes for Tuesday Accelerated/Classes Begin
3, Wednesday	Additional Class for Monday Accelerated Classes
4, Thursday	Registration Closes for Thursday Accelerated/Classes Begin
5, Friday.....	Last Day to Register for a Saturday Class
6, Saturday	Saturday Accelerated Classes Begin
8, Monday	Deadline to Drop (course does not appear on transcript)
10, Wednesday	Additional Class for Tuesday Accelerated Classes
17, Wednesday	Additional Class for Thursday Accelerated Classes
18, Thursday	Priority Registration Begins for Summer and Fall, 2013
22, Monday	Deadline to Drop (course appears on transcript with "DR")

May

3, Friday.....	Last Day to Withdraw from April Accelerated Classes
11–16, Saturday–Thursday	Final Exams
18, Saturday	Graduation

Extended Summer 8-Week Accelerated Semester, 2013 (2013XS)

(see above for 4-Week Summer Terms, June Term and July Term)

June

- 3, Monday Registration Closes for Monday Accelerated/Classes Begin
- 4, Tuesday.....Registration Closes for Tuesday Accelerated/Classes Begin
- 6, ThursdayRegistration Closes for Thursday Accelerated/Classes Begin
- 7, Friday.....Registration Closes for Saturday Accelerated Classes
- 8, Saturday Saturday Accelerated Classes Begin
- 10, Monday Deadline to Drop (course does not appear on transcript)
- 19, Wednesday Additional Class for Thursday Accelerated Classes
- 27, ThursdayDeadline to Drop (course appears on transcript with "DR")

July

- 4, ThursdayIndependence Day Holiday
- 15, Monday Last Day to Withdraw from Summer Extended Classes
- 20–25, Saturday–Thursday Final Examinations

Special Projects Summer Term, 2013 (11-week Semester for approved projects, 2013CS)

- April 18..... Registration Closes and Special Projects Classes May Begin
- Between May 20 and July 8 When applicable, Class Tour or Study Abroad occurs as announced
- July 8Deadline for Project completion

The following is a brief description of campus life at Union University and the various organizations and services that contribute to its unique community. A more complete list of campus organizations and resources is presented in the *Campus Life Handbook*.

Barefoots Joe

Barefoots Joe, a coffeehouse and venue, offers the campus a place for conversation, exchange of ideas, and appreciation of the arts. We are proud to offer superior quality coffee that we roast in house. As a venue, Barefoots Joe seeks to provide co-curricular events that encourage thoughtful interaction with mediums often reserved for entertainment only. Students are invited to enjoy music, film and art from artists whose work is artistically excellent, influential in culture and appropriate to the context of our university.

Christian Life and Activities

Union University is committed to the spiritual growth and development of each person on campus. Understanding that faith development and academic achievement go hand in hand, Union provides an excellent atmosphere as well as ongoing activities that stimulate a Christ-centered world view and life-style.

Christian activities are coordinated through the Office of Spiritual Life. Each student is encouraged to grow in personal relationship with Jesus Christ and in service for Him. Ministry to students is an utmost priority. Activities include chapel services; LIFE Groups (a small group ministry for new students involving Bible study, discussion, and accountability); Klemata women's Bible study, Rounders (Bible study groups), weekend revival and DiscipleNow teams; off-campus ministries working with children, youth, adults, and senior adults, and short-term mission projects (GO "Global Opportunities" trips).

The Missionary-In-Residence Program brings a missionary family on furlough from the international field to occupy the residence. To expose students to world missions, the missionaries speak on campus, counsel students interested in missions, and promote the Lottie Moon offering in West Tennessee Southern Baptist churches.

Christian organizations providing fellowship and activities for students are available. The Ministerial Association is composed of students preparing for full-time Christian vocations and provides opportunities for fellowship and ministry in area churches. Mu Kappa is an organization for students whose parents are international missionaries. Through these organizations, a strong emphasis is given to local ministries and missions as well as national and international missions.

Chapel and Lecture Series

The University holds chapel services twice weekly. Through these times, students, faculty and staff worship

collectively and receive spiritual encouragement, moral guidance, and intellectual challenge. The worship of God and the integration of faith and learning and living are encouraged through events such as Faith and Practice Week, Global Opportunities Week, and the Crabtree Lectures on Marriage and Family.

Church and Convention Ministry (CCMS)

Union University accepts seriously the challenge of providing practical guidance and training to students preparing for church-related vocations. The CCMS program attempts to integrate classroom teaching with the practice of ministry and to assist students to test personal and professional identity in their growth in ministry. The program is administered through the Office of Church Relations. Each CCMS student is offered personal and vocational counseling, instruction, and opportunities for Christian service through various supervised ministries.

All students preparing for church-related vocation within the Southern Baptist Convention and receiving the CCMS scholarship must adhere to program requirements as explained at an orientation session at the beginning of the Fall and Spring Semester.

Confidentiality of Student Records

The privacy and confidentiality of all student records shall be preserved in accordance to the Family Educational Rights and Privacy Act (FERPA) of 1974. The Act provides adult students greater access to and control over information in educational records. More information about FERPA can be obtained from the Registrar. Official student academic records, supporting documents, and other student files shall be maintained, only by members of the University staff employed for that purpose, in separate files:

- Academic records, supporting documents and general education records—maintained by the Academic Center, academic departments and advisors
- Records of discipline proceeding—maintained by the Student Services Office
- Financial records—maintained by the Business Office
- Medical records—maintained by the Health Services Office (governed also by HIPAA)
- Admissions records—maintained by the Admissions Office
- Financial aid records—maintained by the Financial Aid Office

Directory information (student's name, address including email address, telephone number, date and place of birth, photograph, academic major, class schedule, dates of attendance, degrees and awards received, and most recent previous educational institution attended) may be made public by the University unless a student requests to the Academic Center in writing that it be released only upon his/her consent.

Records Not Available for Student Inspection

- Records of instructional, supervisory and administrative personnel which are in the sole possession of the maker thereof, and which are not accessible to others
- Records created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional which are used only in connection with the provisions of treatment of a student and are not available to persons other than those providing such treatment (governed also by HIPAA)
- Financial records of students' parents
- Evaluations for which a student has waived his/her right of inspection

Counseling Services

The services of a full-time licensed psychologist and part-time licensed professional counselor are available at no charge to students with personal or emotional concerns. Walk-ins are accepted based on the availability of the counselor, or students may make an appointment. Upon referral by the Director of Counseling Services or the Dean of Students, students may also receive limited services from the psychological services provider under contract in the community. Consultation is provided in making referrals to special agencies upon request.

Academic counseling is administered through several avenues. Each student is assigned a Faculty Advisor in accordance with their intended major/vocational goal. Students undecided about their major are assigned temporarily to the Office of Academic Services. GPA counseling can be sought from the Office of Academic Services and through the Academic Center. The junior/senior student is required to have at least one counseling appointment with a degree auditor to focus on the completion of graduation requirements.

Disability Services

The Office for Disability Services offers support for students with disabilities and special needs through appropriate accommodations. Students must first provide documentation of a specific disability and how that disability impacts academic performance and ability. The Director will then meet with the student to formulate accommodations specific to the student's disability. The Director is also available to help the student with time management and study skills and to assist the student in identifying additional resources.

Health Services

The mission of Health Services is to promote healthy lifestyles and to demonstrate care in a Christ-like manner to students, faculty and staff and to provide medical services for minor injuries and illnesses. Health Services is staffed by a full-time registered nurse as director, part-time

nurse practitioners, and a part-time physician. There is no office visit charge for clinic care; all off-campus referrals and care may render a cost and are the responsibility of the patient. Whereas International students are required to have insurance, all students are strongly encouraged to do so. Information can be obtained through www.uu.edu/student-services/health-services.

Hundley Center for Academic Enrichment

The purpose of the Hundley Center is to support the efforts of the university faculty and encourage students to become independent learners by bridging the gap between the classroom and a true understanding of the material. The Hundley Center provides free peer tutoring in over 25 subjects and academic enrichment opportunities, including graduate school preparation and academic success workshops. For more information, visit the website at www.uu.edu/programs/hundleycenter.

Intramural Athletics

At Union University, intramural athletics constitute an essential part of the total college program. A program of competitive intramural sports is sponsored allowing wide participation for men and women. Awards are given each year based on a point system.

Intercollegiate Athletics

Intercollegiate athletics are an integral part of American college life. In 2011, Union's application was approved to begin the membership process for NCAA DII. This means that Union's successful history as a member of the NAIA and TranSouth Conference ended following the 2011-12 season. The 2012-13 season begins the two-year membership process for NCAA DII. Union will compete in the Gulf South Conference which includes teams from Tennessee, Mississippi, Louisiana, Alabama, Georgia, and Florida. Union University offers varsity competition for men in basketball, baseball, cross-country, golf and soccer, and for women in basketball, softball, volleyball, soccer, golf and cross-country. Union's athletic programs adhere strictly to all university, conference, and national regulations involving sports and academics for student athletes.

Library Services

The Emma Waters Summar Library offers the best of traditional and contemporary information resources. Books, e-books, periodicals, e-journals, media and electronic resources are available for use by the students, faculty and staff of Union University. Professional librarians provide instructional assistance and offer research coach services to assist students throughout their academic journey. The library's home page is found at www.uu.edu/library. As a member of WorldShare™, the Summar Library at Union offers its patrons access to libraries worldwide.

Regulations

Union University students are expected at all times to represent the University and the Christian community appropriately. Regulations regarding these expectations, student life as a whole and more particularly resident student life are found in detail in the *Campus Life Handbook*.

The President, the Provost, and the Dean of Students of the University are charged with the administration of discipline through the judicial system. They are empowered to rule in any irregularity pertaining to student life and impose redemptive discipline for community values violations as expressed in the *Campus Life Handbook*. The judicial system and the grievance and appeal system are described in detail in that same publication.

Residence Life

The mission of Residence Life at Union University is to provide a holistic living and learning environment where academic scholarship is developed, distinctive relationships are formed, servant leadership is practiced, community values are upheld, and biblical restoration is provided. To this end, all students are required to live in Union's residence halls for the full academic year unless the student meets the requirements outlined in the *Campus Life Handbook* or an exception is granted by the Off-Campus Appeals Committee. For information on Residence Life community values, philosophy, costs, family housing, and general procedures, please refer to the *Campus Life Handbook* located on Union University's website at www.uu.edu/student-services/handbook.

Social Fraternities And Sororities

Union has six national social fraternities and sororities: Alpha Tau Omega, Sigma Alpha Epsilon, Lambda Chi Alpha for men, Chi Omega, Zeta Tau Alpha, and Kappa Delta for women. Under the supervision of the University administration, these organizations host their own special activities and functions. The Office of Student Leadership and Engagement can also provide information on the Jackson chapter of Alpha Kappa Alpha.

Student Government Association

The SGA, composed of all students enrolled in Union University, functions through its executive, legislative and judicial branches. Its elected officers and representatives serve as the official voice of the students in institutional affairs. The SGA seeks to foster University unity, promote student welfare and provide student programs, activities and services designed to meet the needs and interest of students.

Student Activities Council

The Student Activities Council promotes community on campus by providing entertaining activities and various opportunities for campus involvement. Traditional events include Variety Show, Midnight Movies, Carl Perkins Christmas Party, Homecoming Concert, Movie on the Lawn, New Student Gameshow and Be Our Guest.

Student Publications

The Cardinal and Cream

The Cardinal and Cream is the official award-winning campus newspaper of Union University. Budgeted as a part of the Communication Arts Department, the newspaper is published bimonthly and is distributed to students, faculty, staff, and administration without charge. *The Cardinal and Cream* is written and edited by students under the guidance of a faculty advisor. Staff positions are available for any student enrolled in classes at Union, and particularly those interested in journalism or a related communications field. The campus newspaper enhances the experiences of students in writing, layout, editing, photography, advertising, and journalism administration.

The Torch

The Torch is a student literary magazine under the editorship of an appointed student staff. Its contents are made up of the student creative writing and artwork selected from among presentations in the normal course of class work and from those submitted directly to the editors. *The Torch* is a member of the Columbia Scholastic Press Association at Columbia University in New York.

Testing Center

Union University serves as a National Test Center for the American College Test (ACT), Praxis, College Board (SAT), Law School Admissions Test (LSAT), Pharmacy College Admissions Test (PCAT), the College Level Examination Program (CLEP), Miller Analogies Test (MAT), and DANTES Subject Standardized Test (DSST). For a listing of testing dates and registration information, please visit Union's testing website at www.uu.edu/academics/testing.

Vocatio Center for Life Calling and Career

The Vocatio Center for Life Calling and Career derives the primary essence of its name "vocatio" from the Latin term which means "to call" or "calling." Formerly named Career Services, the Vocatio Center has been established to offer an intentional and more holistic approach to the development of students for which the pursuit of one's call is primary. Ultimately, the Vocatio Center seeks to empower Romans 12 professionals who will utilize their differing gifts according to the grace given to them by God. Our key goal, therefore, is to teach students holistically through a model that emphasizes vocation as ministry. Our true hope is to instill in our students the necessity for pursuing God's specific call on their lives through a transformed and renewed mind in service to others. "Our mission is to help students understand more clearly who God has uniquely created them to be and to assist them in discovering opportunities to live out their life calling in service to others."

Students are encouraged to start early utilizing the Vocatio Center for Life Calling and Career. Many are blessed to know exactly what God has called them to

do; we can help better prepare you for that calling. However, if you are uncertain about your calling, we can offer you strategic direction through gifts assessment, career counseling, and life coaching which will help you understand who God truly has made you to be. The following services are offered by appointment:

- Life Calling and Career Counseling/Coaching; Goal Setting
- Professional Résumé, Cover Letter, Portfolio Development
- Individual and Group Personality and Interests Assessment and Interpretation (Myers-Briggs Type Indicator or MBTI and the Strong Interest Inventory)
- Interview Preparation and Salary Negotiation
- Coordination of Job Shadowing
- One-on-one Graduate School Preparation
- Referral Services for Part-time, Full-time, and Internships Opportunities (Student and Employer)
- On-campus Recruitment

Students should visit the Vocatio Center so that we can get to know you individually. Your visit will allow us to offer personalized attention in sharing our services designed to give a strategy towards solidifying your life calling and career plan. We can help prepare you for your chosen vocation while offering the professional preparation you'll need to be competitive in an ever-changing job market. In addition to our individualized services, discipline-specific workshops are offered in partnership with academic departments throughout the year to increase professional development opportunities by major area of study. Visit us at www.uu.edu/student-services/vocatiocenter to find out more or to schedule an appointment.

Wellness Services

The Department of Wellness Services offers a 3,600 square foot Wellness Center, a 27,000 square foot Activities Center, and an indoor Aquatic Center. The department offers programs to promote healthy life-styles such as health assessments, motivational incentives, exercise prescription and health education including group fitness classes. Currently enrolled students, faculty, staff, and spouses are eligible to use the Center and participate in classes. One on one fitness training with a Certified Personal Trainer is available.

University Awards

The **Academic Excellence Medal** is awarded to the outstanding graduating senior in each major as selected by the faculty of the major. Inclusion in the selection process requires the student to have completed a minimum of 15 residence hours, excluding pass/fail courses, in the discipline and have a discipline GPA of 3.5 or higher.

The **Elizabeth Tigrett Medal**, established by the late Mr. I. B. Tigrett in memory of his mother, is presented to the outstanding senior in the graduating class. The award is based on citizenship, character, leadership, scholarship, and school service. To be eligible, a student must have attended Union his/her entire college career.

The **University Academic Achievement Award** is presented to the student with the highest academic achievement in the graduation class with not less than a 3.75 provided a minimum of 56 semester hours at Union University are completed.

The **Class of 1962 Award** recognizes the senior who has attended Union University for four years with the highest grade point average.

University Clubs

Alpha Chi is a member of the Association of College Honor Societies. Membership is open to the top ranking 10% of the junior and senior classes. **Alpha Sigma Lambda**, to honor scholarship and leadership in adult students, recognizes the top 10% of adult students who have completed at least 24 hours at Union.

Academic departments sponsor campus organizations and honor societies relating to and for the promotion of their disciplines of study. These are described within the respective academic departments. The University sponsors special interest organizations relating to varied activities, service, political and social activism, and personal growth. These are detailed in full at www.uu.edu/student-services/organizations.

ACADEMIC PROGRAM

Definition of Academic Terms

Degrees

Union University offers nine undergraduate degrees—Associate of Divinity, Bachelor of Arts, Bachelor of Music, Bachelor of Science, Bachelor of Science in Medical Technology, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Organizational Leadership, Bachelor of Science in Business Administration, and the Bachelor of Social Work—and 12 graduate degrees—the Master of Education, the Master of Arts in Education, the Master of Urban Education, the Master of Business Administration, the Master of Christian Studies, the Master of Science in Nursing, Master of Arts in Intercultural Studies, the Educational Specialist, the Master of Social Work, the Doctor of Education, the Doctor of Ministry, the Doctor of Nursing Practice, and the Doctor of Pharmacy. Graduate Studies are described in the Graduate Catalogue.

A student may have two baccalaureate degrees conferred when the requirements of both have been met, provided the student has a minimum of 30 resident hours to offer, over and above that required for the first degree. A new major including a minimum of 15 upper-level hours in the major taken at Union and any prerequisites to the major must be completed for the second degree.

Upon completion of degree requirements, the student is awarded the appropriate diploma for his/her degree.

Credit Hour

The unit for counting credit is the semester hour. A semester hour is defined as an hour of class work a week, or its equivalent in laboratory, pursued for one semester.

Full-Time Student

To be classified as a full-time student during a semester, a student must carry a minimum credit hour load of 12 semester hours; for full-time status in the Winter Term or each of the Summer Terms, a student must carry a minimum of three hours.

Grades and Quality Points

- A is reserved for performance that is definitely superior in quality.
- B is for consistently good work that is above average.
- C is for satisfactory performance.
- D is for minimal passing.
- F indicates failure.

Both Progress Reports and Final Grades are reported by letter which may be interpreted in percentage figures: A 95-100, B 85-94, C 75-84, D 65-74, F below 65. A, B, C, and D are passing grades; F is failure; N is audit. The grade of I, indicating incomplete work, must be made up within

the first five weeks of the Fall/Spring semester following issuance; otherwise, the course is graded to reflect the incomplete work. The grade of IP (In Progress) will be issued for courses which by design extend into the following term or semester. Pass-fail courses are graded P for pass and FF for failure. W is reserved for withdrawal from a single course without withdrawing from the term, beyond the period allowed for officially dropping a course. Withdrawal may be granted by the Registrar after this period if the student meets conditions as stated under regulations concerning dropping of classes. A temporary grade of X is inserted to indicate no grade has been reported.

The following are the grades with their corresponding quality credits:

- A—4 quality points per hour of credit
- B—3 quality points per hour of credit
- C—2 quality points per hour of credit
- D—1 quality points per hour of credit
- DR, W, F, FF, I, IP, N, X—0 quality points per hour

To determine the Grade Point Average (GPA), the quality points earned are divided by the semester hours attempted. The grade of P will not be included in the GPA, but the credit will be included in the hours for graduation.

Good Academic Standing is defined as the minimum acceptable cumulative GPA for graduation, 2.00. Policy regarding students who fail to meet this standard is detailed below under “Scholastic Regulations.”

Students are allowed to repeat courses to improve the grade and cumulative GPA. Repeat of D and F grades is strongly encouraged. The most recent grade earned is the grade calculated in the cumulative GPA and in consideration for graduation.

Transfer credits and credit-by-testing do not apply quality points to the institutional GPA and are not factored into current academic standing nor into the graduation GPA. They may be considered in the program admission process as specified on the program and department level.

A W awarded for all courses in a term denotes withdrawal from school for the semester. See “Withdrawal from School” for details.

Faculty Advisor

Advisors are assigned within the department of the student’s major. The freshman undecided about his/her major will be advised by the Center for New Students. Advisors will assist students in planning schedules and defining educational and career goals.

Union University’s academic advisement program is based upon the supposition that any degree-seeking student accepted for enrollment is a responsible adult seeking a liberal arts education. Advisors will inform advisees of the academic requirements and attempt to guide them through the program of study toward their chosen major; however, they may not assume the responsibility for the student.

Student Classification

FRESHMAN	A student who has met entrance requirements and who is carrying at least 12 semester hours.
SOPHOMORE	A student who has at least 24 hours of college credit.
JUNIOR	A student who has at least 56 hours of college credit.
SENIOR	A student who has at least 86 hours of college credit.

Size of Classes

Union University is committed to providing class sizes that facilitate an excellent professor to student ratio. Yet the University reserves the right to cancel a scheduled class if there is not sufficient support from student enrollment.

Description and Numbering of Courses

A brief description for each course is found within the respective section of the *Catalogue*. A Prerequisite to a course may be cited as another course or condition that must be met satisfactorily before the student may register for the course. A Corequisite refers to a requirement that must be completed prior to or at the same time as the course. Co- and Prerequisites are enforced at the discretion of the instructor.

A course syllabus giving greater detail of topics covered and requirements is distributed at the first class meeting. Copies are filed in the appropriate school/college dean's office.

Undergraduate courses are numbered from 100 to 499. Courses from 100 to 199 are freshman courses; freshmen are restricted to 100 and 200 level courses. Courses from 200 to 299 are sophomore courses; sophomores are restricted to 100-300 level courses. Courses from 300 to 399 are junior courses. Courses from 400 to 499 are senior courses. Courses numbered 500 may be undergraduate or graduate; see the *Graduate Catalogue* for details. Courses above 599 are graduate courses.

Honor Students

Students making an average of 3.5 or above earned in courses taken at Union University graduate with **Latin Honors** as follows: 3.50-3.66, *cum laude*; 3.67-3.83, *magna cum laude*; 3.84 and above, *summa cum laude*. To qualify for these honors, a student must complete at least 56 hours at Union University.

Students who are enrolled for 12 or more hours and earn an average of 3.5 or above are placed on the semester honor roll, which is entitled the **Dean's List** and those with a 4.0 are placed on the **President's List**.

UNDERGRADUATE ACADEMIC PROGRAMS

Graduate Programs in Business, Christian Studies, Education, International Studies, Nursing, Pharmacy and Social Work are detailed in the *Graduate Catalogue*.

Department	Majors	Degrees	Emphases & Concentrations	Minors
Art	Art*	BA	Drawing, Painting, Ceramics, Sculpture, Graphic Design, Photography	Art Visual Aesthetics
	Digital Media Studies	BA or BS	Art	
Biology	Biology*	BS	General Zoology Pre-professional	Biology
	Cell and Molecular Biology Conservation	BS	Pre-professional	
Business Administration	Accounting	BSBA		Accounting Actuarial Science Business Administration Economics Management Management for Non-Business Professionals Marketing University Studies
	Business Administration	BSBA	Economics International Business Management Marketing	
	Economics	BA or BS		
Chemistry	Biochemistry Chemical Physics Chemistry	BS	Pre-professional	Chemistry
	Medical Technology	BSMT		

UNDERGRADUATE ACADEMIC PROGRAMS

Department	Majors	Degrees	Emphases & Concentrations	Minors
Communication Arts	Advertising Broadcast Journalism	BA or BS		Advertising Broadcast Journalism Film Studies
	Digital Media Studies	BA or BS	Communication Arts	Journalism Media Communications
	Journalism Media Communications Public Relations Speech Theatre Theatre & Speech with Teacher Licensure®	BA or BS		Photojournalism Public Relations Speech Theatre
Computer Science	Computer Science	BA or BS		Computer Science
	Digital Media Studies	BA or BS	Computer Science	Computer Information Systems
	Information Technology	BA or BS		
Continuing Studies	Organizational Leadership	BSOL®	Church Leadership Criminal Justice Administration Health Management Organizational Management Project Management	
Education	Elementary Education*	BS	Early Childhood (PreK-Grade 3) Elementary (K-Grade 6) Middle Grades (Grades 4-8)	Professional Education: * for Secondary Education * for Special Education
	Learning Foundations	BS		
	Special Education	BS	Modified & Comprehensive K-12	
Engineering	Engineering	BSE	Electrical Mechanical	
English	English*	BA	Creative Writing Literature	English
History	History	BA or BS		History
Institute for International and Intercultural Studies	Intercultural Studies	BA	Global Regional	Intercultural Studies Humanitarian Studies
Language	Applied Linguistics	BA		Applied Linguistics
	French*	BA	Language & Culture Literature & Culture	French Spanish
	Spanish*	BA	Language & Culture Literature & Culture	Teaching English as a Second Language
	Teaching English as a Second Language*	BA		
Mathematics	Mathematics*##	BA or BS		Actuarial Science Mathematics

UNDERGRADUATE ACADEMIC PROGRAMS

Department	Majors	Degrees	Emphases & Concentrations	Minors
Music	Music	BA		Music
	Church Music	BM	Organ Piano Voice Instrumental	
	Music	BM	Christian Studies Communication Arts Management Marketing	
	Music Education	BM	Vocal/General Instrumental/General	
	Music Theory	BM	Instrumental Organ Piano Voice	
	Performance	BM	Organ Piano Voice	
Nursing	Nursing	BSN	Basic 4-year LPN to BSN Accelerated BSN [@] BSN 15-month [@] RN to BSN [@]	
Physical Education Wellness and Sport	Athletic Training	BS		Athletic Coaching Health Education* Physical Education
	Physical Education*	BS		
	Sport Management	BS	Communication Marketing Ministry	
	Exercise Science / Wellness	BS		
Physics	Engineering Physics Physical Science Physics	BS		Physics
Political Science	Political Science*##	BA or BS	American International Relations Political Theory General	Political Science
Psychology	Psychology	BA or BS		Psychology
Sociology	Family Studies	BA or BS		Family Studies Human Studies Sociology
	Sociology	BA or BS	General Social Organization	
Social Work	Social Work ^{@@} #	BSW		
Theology and Missions	Biblical Studies—Languages Christian Ministry and Missions Christian Studies Christian Thought and Tradition Philosophy	BA		Biblical Studies Christian Ministry and Missions Christian Studies Christian Thought and Tradition Philosophy
	Sport Management	BS	Ministry	
	Christian Ministry	Diploma [@] AD [@]		

* Teacher Licensure available

@ Available only as an Adult Studies Program

@@ Available also as an Adult Studies Program

Tennessee Public Child Welfare Certificate available

Available with Discipline-Specific Honors

General Academic Policies and Procedures

Change of Classes

After registration, a student may change his/her schedule by obtaining proper forms from Union Station, securing the signature of his/her advisor, and processing forms at Union Station.

A fee of \$10.00 will be charged for dropping a course after the start of classes. Exceptions will be made by the Registrar in instances beyond a student's control. See the University Calendar for the last date for changes in schedules.

Dropping of Classes

Courses may be dropped without academic penalty after the period allowed under circumstances of extreme illness, in which case a physician's certificate must be submitted and approved by the Registrar. Other circumstances beyond the student's control may be approved by the Registrar.

Students discontinuing class attendance without the Registrar's permission to drop will receive an "F" in those courses.

Registration for Courses as an Audit

Students may audit courses for personal enrichment on a space available basis. Registration must occur during the published period. The student will pay the audit and applicable materials fees. Audited courses do not apply toward a degree but will appear on the transcript without assignment of grade. The auditor may participate in the course as minimally or as fully as he/she chooses. The instructor may elect not to grade exams and other work of the auditor.

A student auditing a course may process drop/add forms to earn credit in the class no later than the "Last Day to Add" for the semester. A student enrolled in a course for credit may change to audit during the period allowed to drop a class. Deadlines are noted in the academic calendars for each semester published in the *Catalogue*.

Regulations Concerning Quantity of Work

The maximum hours recommended for any student is 18 for a Fall or Spring Semester, 9 for accelerated 8-week sessions, and 7 for any of the three 4-week terms. However, a student who is highly motivated and has a 3.0 CUM GPA may petition the Registrar with consent of his/her advisor to enroll for more than the suggested maximum.

Concurrent Enrollment

Enrollment in another college or university concurrent with Union University enrollment must be approved in advance and in writing by the Registrar. At times other than concurrent enrollment the Union student is advised to check with the Registrar about transferability.

Class Attendance

Regular and successive attendance is expected of all students enrolled in all lecture, laboratory, and seminar courses. Each faculty member is to determine the specific details for administering the attendance policy for his/her courses. Each faculty member is to clarify in the course

syllabus the requirements. This statement is approved by the department chair and filed in the Office of the College/School Dean. Each faculty member is to counsel with any student whenever absences are affecting the student's grade.

No faculty member is allowed to operate a system which penalizes a student for absences due solely to participation in an official college-sponsored activity which requires limited or occasional absences. However, the student must satisfy all testing, reporting, and required functions defined for the course.

Withdrawal From School

A student withdrawing from school, dropping all courses from a current semester or term, begins the process with the Academic Center with a Withdrawal Card. Students will be allowed to withdraw through 11 weeks, or its term equivalent, and will receive notation on their permanent record.

Voluntary withdrawal does not guarantee permission to readmit to the University nor does it automatically exclude the student from enrollment at a future date. Students who have withdrawn must check with the Office of Undergraduate Admissions regarding reenrollment.

A former Union University student having less than a 2.0 cumulative GPA from Union University or less than a 2.0 cumulative GPA from all institutions attended will be considered for readmission by the Undergraduate Admission/Readmissions Committee. The student may be denied admission, readmitted with conditions, or readmitted under their prior academic standing at Union University.

Scholastic Regulations

The only acceptable level of work for graduation at Union University is 2.0 or above. Those who fail to achieve that level will be placed on academic probation.

If the student achieves a cumulative GPA of at least 2.0, academic probation status will be immediately removed. If the student fails to achieve the 2.0 GPA, the status of academic probation lasts for two full semesters and the short term(s) that immediately follow. While the student is on academic probation:

1. An official notice will be sent to the student.
2. The academic advisor will monitor a program of studies containing repetition of courses in which D's and F's have been earned and will urge reduction of extracurricular activities and work.
3. The academic load will be limited to not more than fourteen hours.
4. An Assistant Registrar will counsel students individually toward GPA improvement.

If by the end of the two probationary semesters a cumulative GPA of 2.0 has not been attained, the student will be suspended from the University for one full semester. There is no appeal permitted for this suspension. The suspension will be a full semester; no combination of short terms will substitute. Colleges typically will not admit a student suspended from another college; however, if credit is earned at another institution while the student is suspended from Union, that credit is not applicable toward a degree at Union.

After serving the period of suspension, the student is eligible to return upon application for readmission. The student re-enters on academic probation and is again

given two semesters with the short term(s) that follow to achieve the required cumulative 2.0 GPA. If the satisfactory standing is not achieved, the student will again be suspended from the University. After a full semester suspension, the student desiring to return will be required to reapply to the Admissions Committee of the University.

Academic Integrity

Union University upholds the highest standards of honesty. By their enrollment at Union, students are agreeing to refrain from the use of unauthorized aids during testing (including but not limited to technology devices such as

digital cameras, cellphone cameras, pen-based scanners, translation programs, and text-messaging devices), to refuse to give or receive information on examinations, and to turn in only those assignments which are the result of their own efforts and research. Failure to provide correct documentation for material gleaned from any outside source, such as the Internet or any published/unpublished work, constitutes plagiarism, a form of cheating subject to strict disciplinary action. Breaches of these standards warrant academic and disciplinary consequences. Policies and procedures, including appeal procedures, are detailed in the *Campus Life Handbook*.

Graduation Requirements

Students may graduate under the course requirements specified in the *Catalogue* of the year of their admission or those at the time of their application for graduation. If five years have elapsed since a student's latest enrollment in Union University, he/she may graduate either under the course requirements of the *Catalogue* of his/her re-admission or those in force at the time of his/her application for graduation. Teacher Licensure requirements may alter graduation requirements as stated in the *Catalogue* for students seeking licensure.

Components of Graduation Requirements

Each bachelor's degree awarded by Union University must contain the following components unless specifically exempted by the student's choice of academic program:

General Core Curriculum	48 hours
Specific Core Curriculum	18-36
Major Academic Program, minimum	30
Minor Academic Program, minimum	18

The completion of 128 hours usually requires four years of 32 hours per year. Of these, the freshman and sophomore years are spent in core curriculum. In the event 128 hours have not been met by the completion of the above components, elective courses or additional majors/minors must be earned to satisfy the balance.

Specific Core Requirements are required by all programs except the B.S.N., B.S.M.T. and B.M. degrees. Some restrictions apply toward the pairing of majors and degrees; the table of "Academic Programs" indicates those restrictions where applicable.

IN ADDITION TO THE ABOVE, THE CANDIDATE FOR GRADUATION MUST:

- Schedule and keep at least one Graduation Audit appointment
- File an application for graduation
- Clear all accounts and conditions with school offices (incompletes, chapel, financial obligations, etc.)

Summary of Minimum Requirements for Graduation

These are overall minimums; individual programs may require a higher level of performance. Such programs are

noted in their appropriate departmental section. This summary does not intend to be all inclusive nor should it imply entitlement. Greater detail is provided on each topic on the following pages.

Semester hours required for bachelor's degree.	128
of which, must be earned at Union University	25%*
of which, must be earned on the junior/senior level.	39
one major, to include junior/senior hours**	15*
one minor, to include junior/senior hours**	6*
Grade Point Average: cumulative	2.000
Cumulative each major	2.000
Cumulative each minor	2.000

*Total credit hours to be earned at Union University to meet residency requirements.

**A second major may be earned in lieu of a minor. All major requirements are in effect for each major sought; all minor requirements are in effect for each minor sought.

Summary of Maximum Requirements for Graduation

Total semester hours applicable to graduation as earned by: credit by exam, ACE, Seminary Extension, and Correspondence	32
of which, correspondence may not exceed	8
From non-baccalaureate colleges.	72
By Independent Study	9
By Special Study	9
By Internship	9
By Cooperative Education.	9
By Study Abroad	21

Minimum Residence

For each undergraduate degree granted by Union University, at least 25% of the hours required must be earned through instruction by Union University. The last 12 hours of must be earned at Union University except in pre-professional programs. Any deviation from this policy must be authorized in writing by the Registrar.

Credit from a college not awarding the baccalaureate degree, a community college, sought in transfer after the student has earned >69 hours must be approved in advance, in writing by the Registrar. See also "Minimum Residence" below and "Concurrent Enrollment" above.

Credit by Testing Deadlines

Advanced Placement of the College Board and International Baccalaureate examinations can only be taken within the secondary school setting at the time of the advanced coursework.

CLEP and DANTES testing attempts can be made no later than official reports may be received during the student's next to last full semester preceding graduation. May and Summer graduation applicants must complete all testing no later than the previous Fall Semester. December and January applicants for graduation must complete all testing no later than the previous Spring Semester. Registration for testing is limited and report timing may vary; make your plans and registration accordingly. This policy is intended to assist the student in making plans

as well as registration to enact backup plans toward completion of graduation requirements.

Receipt of official reports varies. CLEP requires at least 3 weeks turn around, and DANTES, 5 weeks. Reporting is outside the control of the Testing Center and may take longer than these projections. A report from the Registrar is sent to the student to verify results and equate to Union curriculum.

Credit-by-exam can be taken at any cooperating testing facility with orders for the official report being sent to Union University. On campus testing at Union will follow the published schedule available at www.uu.edu/academics/testing.

The Union University Core

Union University provides excellent liberal arts based undergraduate education; the foundation for this education is the core curriculum. The core curriculum provides our students with the opportunity to gain foundational knowledge across the range of scholarship and experience, become skilled in the acquisition and application of that knowledge, and develop a love of virtuous thinking and living. The core provides a common grounding in the knowledge, skills, and virtues which we believe all Union graduates should possess while providing a foundation for specialization in majors and minors as well as careers and lives of constructive learning. Union's core philosophy does not prescribe any particular selection of core courses. Rather, it establishes the goals of the core curriculum as a whole. Specific goals mentioned below can be actively pursued in many, if not all, courses in the core curriculum. We intend that connections between disciplines will be made overtly in the classroom and discussed by faculty and students alike. At all stages of our students' education, the Union faculty is intent upon academic excellence for ourselves and for our students.

God's creativity and governance shape all of life, make all knowledge possible, and unify the academic disciplines. In light of this, we want our students to know God and to develop a maturing awareness, understanding, and appreciation of God. We want them to acquire broad biblical knowledge and detailed knowledge of portions of the Scriptures. We want them to learn the essential doctrines that have guided historic Christianity and we desire that our students exercise the gifts and skills of living in the knowledge of God.

Union students need to know and love God's creation: anything physical and metaphysical which is distinct from God. They need to know about the inanimate from the subatomic to the cosmic, and about life, from its simplest to its most complex forms. Interactions between inanimate and animate are important to learn, as are the abstract concepts that have guided the study of the cosmos. They should understand how scientific views

have changed, be skilled in scientific methodologies, and know their advantages and limitations. They should also understand and appreciate things we can not touch, such as logic, numbers, goodness and evil, beauty and ugliness. Guided by Christian ideals, students should know how our understanding of creation can be used to improve life, alleviate suffering, and inspire beauty.

Union students need to know and love the human realm of creation. We want our students to understand (and wonder at) the physical, spiritual, and imaginative nature of humanity—in themselves, in others, in communities, and in cultures past and present. It is important for them to know the great ideas that have shaped how we live and think and to contemplate the creativity and self-reflection that so distinguish people from the rest of creation. We want them to see models of excellence in others that they may seek excellence for themselves. They need skills associated with human interaction. Finally, in all our studies of humanity, we want our students to be guided by Christian conceptions of human identity and purpose and to imitate Christ in service to others.

Throughout these academic pursuits and built into core courses, we want our students to develop a Christ-like character. The core curriculum at Union not only challenges students to know and to be skilled, it also challenges students to perceive and pursue virtue in their studies, social experiences, and in all areas of life. Knowledge and skill need guidance; that guidance comes from cultivated and practiced virtue. There are many ways to nurture Christian character; we will encourage students in the pursuit of the virtues presented in Scripture and in the Western tradition, such as the Beatitudes, the fruit of the Spirit, and the seven classic virtues.

The purpose of the core curriculum is to establish a common foundation of knowledge, skill, and virtue. These are valuable in their own right and also serve as a base for formal studies and life-long learning. The core challenges students to appreciate all legitimate human endeavors as Godly calling and to discover such calling in their own lives. It provides opportunity for understanding, action, and faith to dwell together. The core provides the

intellectual underpinning for engaging with the ideas of history and the issues of our day. The productive unity of the core will be found in the minds and actions of the faculty and students who work to see humankind, nature,

and God together in as much of their extraordinary complexity as we can master. We intend that the core and additional formal studies bring to life the age-old belief that all truth is God's truth.

General Core Requirements for All Bachelor Degrees
Gateway Course, 2 hours A transition course will continue to be offered until Gateway development is completed.
Christian Studies, 6 hours CHR 111 and 112. Old and New Testament Survey
Composition, 6 hours ENG 111 and 112. Written Composition I and II
Fine Arts, 3 hours ART 210. The Arts In Western Civilization (3)
History*, 6 hours HIS 101 and 102, World Civilization to/from 18th Century *Students seeking elementary teacher licensure must substitute HIS 211 and HIS 212.
Laboratory Science, 8 hours, One course from each group: Group A: CHE 105 (4), CHE 111 (4), PHY 111 (4), PHY 213 (4), or PHY 231 (5) Group B: BIO 100 (4), BIO 112 (4), BIO 110 (4), or BIO 221 (4)
Literature, 6 hours, One of the sequences below: Sequence A: ENG 201, 202. Survey of World Literature (6); Sequence B: FRE 311, 312, 317. Survey of French Literature (6), select any two; Sequence C: SPA 311, 312, 316, 317. Survey of Spanish Literature (6), select any two.
Mathematics, 3 hours Any mathematics course MAT 101 or higher. See your advisor for mathematics requirements or options for your major.
Oral Communication,** 3 hours, One of COM 112 or 235. **School of Nursing and Bachelor of Social Work students meet this requirement by successfully completing their prescribed major courses.
Physical Education, 2 hours PEWS 100. Fitness for Health (1) And one physical activity elective course (such as Golf or Volleyball). PEWS 103 is required for the nonswimmer as determined by standards administered in PEWS 100.
Social Science and Humanities Options, 3 hours, One of the following: ECO 211 (3), ECO 212 (3), HON 210 (3), PHL 240 (3), PSC 211 (3), PSY 213 (3), or SOC 211 (3)
TOTAL GENERAL CORE HOURS, 48 hours Confer with your faculty advisor for limitations of options required in some programs of study.
In addition to the above requirements, each major will address Christian thought and action issues in a capstone experience.

Specific Core Requirements For A Bachelor Of Arts Degree (18 hours minimum) (In Addition to the General Core Requirements)
Option One. Complete Group A plus at least one 3-hour course from Group B and at least one 3-hour course from Group C1. A. Foreign Language (12 hours): One language for 2 years or two languages for 1 year each; 111 or higher, B. Fine, Performing Arts, and Communication Arts: Courses selected from Art, Music or Communication Arts. C. Humanities: Courses selected from Christian Studies, English, History, Honors, Intercultural Studies, Languages or Philosophy. CSC 105 may fulfill 3 hours from either Part B or Part C.
Option Two. Complete Group A plus at least one 3-hour course from Group B and at least one 3-hour course from Group C1. A. Foreign Language (6 hours): One language, 111 or higher, for 1 year. B. Fine, Performing Arts, and Communication Arts: Courses selected from Art, Music, or Communication Arts. C. Humanities: Courses selected from the following areas: Christian Studies, English, History, Honors, Intercultural Studies, Languages or Philosophy. CSC 105 may fulfill 3 hours from either Part B or Part C.

**Specific Core Requirements for a Bachelor of Science Degree (18 hours minimum)
(In Addition to the General Core Requirements)**

Option One. A minimum of 2 courses from 2 Groups and 1 course from the 3rd Group

A. Mathematics 111 or higher; and/or Computer Science

B. Natural Science (Biology, Chemistry, Physics)

C. Social Science (Economics, Finance, Geography, Political Science, Psychology, Sociology)

Due to common content CSC 105 and CSC 115 may apply to A but not both.

Option Two. A minimum of 8 hours in 2 of the 3 Groups (Mathematics, Natural Science and Social Science as shown immediately above)

Due to common content CSC 105 and CSC 115 may apply to Mathematics but not both.

**Specific Core Requirements for a Bachelor of Science in Business Administration
(In Addition to the General Core Requirements, 36 hours)***

ACC 211-12, Principles of Accounting I–II	6 hours
BAD 224, Quantitative Methods for Business	3 hours
BLAW 321, Legal Environment of Business	3 hours
CSC 105, Survey of Microcomputing Applications	3 hours
ECO 211-12, Principles of Macroeconomics, Microeconomics	6 hours
FIN 320, Business Financial Management I	3 hours
MAT 114, Introduction to Statistics and Probability	3 hours
MGT 310, Management Information Systems	3 hours
MGT 318, Principles of Management	3 hours
MKT 328, Principles of Marketing	3 hours

* Upper-level courses must be earned with a grade of C or higher

**Specific Core Requirements for a Bachelor of Social Work
(In Addition to the General Core Requirements, 18 hours)**

SOC 211, Principles of Sociology	3 hours
Modern Foreign Language or Culture (see ICS Major for options)	3 hours
Advisor-approved electives outside Social Work	9 hours
Modern Foreign Language	3 hours

**Specific Core Requirements for a Bachelor of Science in Engineering
(in Addition to the General Core Requirements, 29 hours)**

CHE 113, Survey of Chemical Instrumentation	2 hours
CSC 255, Programming in C	3 hours
MAT 212-13, Calculus and Analytic Geometry II & III	8 hours
MAT 314, Differential Equations	3 hours
MAT 208 or 315, Statistics or Linear Algebra	3 hours
PHY 231-32, General Physics I&II	10 hours

Correspondence, Seminary Extension (SE) and Credit by Exam

A maximum of 32 semester hours toward graduation by ACE-approved Seminary Extension, correspondence (8 hours maximum) or credit by examination may be accepted. Students may not enroll for SE or correspondence credit without approval in writing by the Registrar prior to registration for the course and the department chair or dean.

Credit-by-exam attempts can be made no later than official report may be received during the student's next

to last full semester (Fall, Spring) preceding graduation, or if in the Teacher Education Program the next to last semester preceding Student Teaching. May and Summer graduation applicants must complete all testing attempts before the end of the previous Fall Semester. December and January applicants for graduation must complete all testing attempts before the end of the previous Spring Semester.

Any variance must be approved in advance by the Registrar in writing.

Prolonged Delay of Completion of Graduation Requirements

A student re-entering the University after a lapse of ten years since the last academic credit was earned must have a conference prior to enrollment with the Registrar. A program of study will be formulated for the applicant to complete the degree.

Application for Graduation

Application for graduation should be filed in writing with the Academic Center during the Fall semester prior to Spring/Summer graduation, or Spring semester prior to Fall/Winter graduation. Graduation applicants not completing all requirements by the last day of final exams of the graduation semester or term will be moved to the next appropriate graduation date.

Any student who has filed an application for graduation must have had an appointment with a Degree Auditor or the Director of Teacher Education for a Graduation Audit. The Graduation Audit should begin during the junior year. In the event a student has not filed a Graduation Audit by the time he/she has filed an application for graduation, he/she will be given until December 1 for Spring/Summer graduation and until May 1 for Fall/Winter graduation. If the student has not filed a Graduation Audit by that date, his/her name will be removed from the graduation list, and the student notified.

Faculty Approval

All candidates for graduation must be approved by the faculty. All conditions—transfer credit, incomplete grades, and chapel attendance deficiencies—should be removed by the opening of the last semester.

Final Examinations

Comprehensive final examinations are required of all students in all courses where content is appropriate. The final examination time is listed with the University calendar. A student with three or more finals on one day may request one of his/her professors to reschedule one examination, to another time during finals week, provided the request precedes the last week of class. If the student and the professor cannot resolve the scheduling problem, the student should take his/her request to the Registrar.

Courses Beyond the Required General Education Core

Majors and Minors

By the beginning of the junior year, each student is required to select one subject as his/her major and one as his/her minor, with the exceptions of B.M., B.S.N, B.S.E., degrees and majors in Cell and Molecular Biology, Chemical Physics, Conservation Biology, Engineering, Physics, Sports Medicine, Sport Management, Athletic Training, and Digital Media Studies. All juniors are required to have a Degree Audit with an Academic Center Degree Auditor or the Director of Teacher Education.

Health Professions: Pre-Professional and Professional Curricula/Liberal Arts-Professional Degrees

Pre-professional programs providing the background to apply for entrance into the health professions programs listed below are available through Union University.

Chiropractry
Cytotechnology
Dental Hygiene
Dentistry
Health Information Management
Medicine
Occupational Therapy
Optometry
Pharmacy
Physical Therapy
Physician Assistant
Podiatry
Veterinary Medicine

Information regarding the specific requirements for each may be obtained from the Health Professions Advisory Committee (HPAC). Requirements for The University of Tennessee professional programs are available as well as for other professional schools.

Students who have completed coursework required for entrance into a professional health program are evaluated by the HPAC. The evaluation summarizes input from Union personnel concerning the student's class performance and accomplishments, motivation, responsibility, capabilities, and character before making its recommendation to the professional school.

Students who complete the pre-professional requirements, core curriculum and degree requirements, including major and minor requirements, and 3 years residence acceptable to Union before entering the professional school may receive the B.S. degree from Union University upon completing one year in an approved professional school. The competitive nature of these programs is such that students are urged to complete the B.S. degree before entering the professional school.

A major consists of a minimum of 30 semester hours; a minor consists of a minimum of 18 hours. Requirements are detailed within the departments of the *Catalogue*.

Courses applying toward a major(s) or minor(s) cannot apply toward another major(s) or minor(s). Of the requirements in the major, 15 hours must be from upper-level courses (courses numbered above >299) earned at Union University. Of the requirements in the minor, 6 hours must be from upper-level courses earned at Union. All majors and minors must be approved by the major professors and the Registrar.

To satisfy the requirements for the major/minor, only grades of “C” or above in upper-level courses may be included. A minimum GPA of 2.0 must be maintained in each major and minor.

The student’s choice of a major may require the student select a Track, Endorsement, Emphasis, or Concentration. Track is used to describe different curricular paths culminating in the completion of the same degree. References to Endorsement are applicable only to the Teacher Education Program. No notation of the Endorsement or Track will appear on the student’s transcript or diploma. The terms Emphasis and Concentration are used interchangeably to denote specializations of content related to the major. These notations appear on the transcript and diploma as a Specialization of the major.

Independent Studies

Independent Studies are available for highly motivated students interested in areas not covered by the regular courses and having both aptitude and discipline to do independent research. The program places major responsibility upon the student to identify an area of interest and seek the help of a professor qualified in that area to structure and formally define the course of study and assess the quality of work done.

Any junior or senior who has a minimum GPA of 2.75 is eligible to apply for independent study. Exceptional cases may be reviewed by the student’s college/school dean.

No student will be permitted to enroll for more than one independent study per semester or term. The maximum hours which any student may apply toward graduation by independent study is nine.

No *Catalogue* course may be offered by independent study. No course taken by independent study may substitute for any specific course required by the core curriculum, a program for teacher licensure, or any course required by a major or minor.

Students should check with the Academic Center for the forms required for approval and the particulars of registration.

Affiliations With Other Agencies and Institutions

Council for Christian Colleges And Universities (CCCU)

Union University’s membership in the Council for Christian Colleges and Universities, a national association of 110 Christian institutions, enables us to offer students off-campus learning opportunities sponsored by or affiliated with the Council. See the Institute for International and Intercultural Studies for program details.

Consortium for Global Education (CGE)

The Consortium for Global Education is an association of nearly 50 private U.S. colleges and universities committed to the development of international education.

Departmental Special Studies

Departmental Special Studies are group studies designed to go beyond or between courses listed in the *Catalogue*. Such courses may not parallel or substitute for regular catalogue courses. A student may apply up to nine hours in Special Studies toward graduation. Restrictions within departments may apply; check departmental listings.

Study Abroad Program Studies

Study Abroad Program Studies are individual studies designed to enhance *Catalogue* curriculum and to facilitate the documentation of study outside the United States. Courses may apply toward graduation requirements but must be approved prior to travel. A maximum of 21 semester hours in Study Abroad courses may apply toward graduation. Check with the Associate Provost for International and Intercultural Studies for additional information.

Continuing Education

Union University has a Continuing Education Program for those who wish to enhance personal or professional knowledge but not necessarily a degree. Courses offered will be determined by the groups desiring the courses and the instructors. These courses are offered only when there is a sufficient demand. See the Department of Continuing Studies for more details.

Student Academic Services

Believing that the success of each student is of vital interest, not only to the student and his/her family, but to the University as well, Union University offers a variety of academic services to students. Each freshman is required to take two credit hours geared toward achieving academic success. A New Student Orientation Program is available for incoming students.

Other student academic services include tutorial assistance, retention counseling, academic advisement, study skills workshops, and probation-suspension intervention. Services are provided through a team approach to help clarify the student’s needs and goals relative to academic fulfillment.

See the Institute for International and Intercultural Studies for more details.

Mid-Continent Consortium

The Mid-Continent Consortium is an association of regional institutions that collaborate to develop international study programs. The consortium currently works with programs in Canada, France, Spain, Mexico and Germany.

College Articulation Agreements

Union University has articulation agreements (transfer guidelines) with several colleges including Jackson State Community College and Dyersburg State Community College. The agreements determine which credit courses will transfer as equivalent courses at Union University and which will receive elective credits.

Cross-Campus Agreement

The consortium agreement of Freed-Hardeman University and Union University allows a student enrolled at one of these universities to take an undergraduate course at either of them. The student obtains permission to do so, pays tuition, and receives credit at his/her “home college” where he/she is a degree-seeking registrant; the term “host college” is used for the institution attended for limited purposes in order to further his program in his home college.

Students may seek enrollment in a host school for the following reasons:

1. Course scheduling difficulties, or
2. Special programs are available at only one institution.

Additional information is available in the Academic Center.

Emma Waters Summar Library Agreements

The Library has entered into several formal agreements with other libraries and library organizations to extend its service base. These local, state, and regional cooperative library programs greatly enhance student access to materials and facilitate the sharing of resources. These agreements include but are not limited to the West Tennessee Academic Library Consortium, TENN-SHARE, and the Southeastern Library Network (Solinet). These agreements afford cooperative ventures of the universities, allow inter-library loan and a full range of support services.

Gulf Coast Research Laboratory Agreement

The Gulf Coast Research Laboratory in Ocean Springs, MS, offers courses in marine biology to qualified Union students. Junior and Senior students in Biology should check with the Biology Department for details.

Medical Technology/Clinical Laboratory Science Agreements

Programs under these agreements are accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association upon recommendation of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Each is at least 12 months in duration with Union granting 59 semester hours toward the Union baccalaureate degree for which the student is a candidate. Union offers prerequisite courses for a major in Medical Technology/Clinical Laboratory Science at Union sufficient to fulfill the minimum requisites for admission to the Medical Technology/Clinical Laboratory Science Program. Qualified students may sit for the certifying examination of the American Society of Clinical Pathologists, Board of Registry.

ADULT STUDIES

Union University provides non-traditional programs and services aimed toward the adult student. Each program office provides central service for admissions, registration, academic counseling and a variety of other services. By concentrating these services in one office, Union University hopes to provide better, simpler service to the adult learner.

The School of Nursing offers a program for Registered Nurses to complete the Bachelor of Science in Nursing degree. The School of Nursing also offers an accelerated initial licensure program as a second bachelors degree and degree completion programs for adults seeking the first bachelors. The R.G. Lee Center for Christian Ministry offers two programs in church ministry leading to the Diploma in Christian Ministry and the Associate of Divinity degree. These programs are described in full in their parent departments with the exception of the Bachelor of Science in Organizational Leadership which is described in the Department of Continuing Studies.

Admissions Policies

Adult students will normally apply to the University as transfer students from another college or university or as readmitted Union students. Adults who have already taken college courses will apply to Union as transfer students if they have completed more than 24 semester hours of transferable credit. See below for additional details. Otherwise, the applicant must meet freshman admission requirements as detailed in the *Catalogue*, making application to the Office of Admissions. Programs have specific program admission processes and unique requirements for entry.

Transfer Students

The academic status of a transfer student will be based on his/her cumulative GPA of all accredited post-secondary work attempted. The admission file of a student having less than a 2.0 cumulative GPA will be presented to the Undergraduate Admissions/Readmissions Committee. The student may be denied admission, admitted on probationary status (as stated in *Academic Catalogue*), or admitted in good standing. The determination of the above decision shall be the full academic record, recommendations, and the explanation of any extenuating circumstances.

Before admission into Union University may be granted, an adult transfer student must file the following information with the appropriate program director/coordinator:

1. A completed admissions application.
2. Application fee (non-refundable), \$25.
3. A completed official transcript from all institutions of higher learning attended.

Before registration for courses, a student must be admitted to the University or be granted status as a "provisional student" (as stated below).

Provisional Students

Students may be admitted on a provisional basis to allow those with acceptable credentials but without immediate access to official documents to register for classes. A student may be admitted to any course(s) for which he/she is qualified to enter but not admitted to a formal degree program and not eligible to graduate in this status. Any credit taken while in this status will not be transferred as regular matriculated credit until the status has officially been changed; credit will be marked "non-matriculated, non-transferable."

The provisionally admitted student will be bound by all academic requirements imposed upon those fully matriculated so far as prerequisites, quantity and quality of work. All work attempted will be fully documented in the academic record.

For admission the student will sign a contract and sign a waiver allowing Union University to request those documents needed to complete the admission file. By federal guidelines, the University is not allowed to file financial aid and Veterans benefits enrollment forms on provisionally admitted students.

A student may remain on provisional status for only one semester and the subsequent short term unless special circumstances exist and permission for an extension is given in writing by the Admissions Committee. Admission to a provisional status does not guarantee admission later as matriculated. A personal conference with the Program Director is required before the student is accepted for admission on a provisional basis.

Financial Policies

Tuition and payment plans are program-specific; see the program director/coordinator of your program. Union University reserves the right to change the tuition and fees without notice. Student Service fees for students in non-traditional programs are \$20/semester (Fall, Spring) and \$10/term (January, June, July). Certain courses will carry an additional fee. For a listing of fees for materials, etc., see the Financial Information section of this *Catalogue*. Courses taken through Cross-Campus Agreement will be billed at the Union program-specific rate. University refund policies are printed in the Financial Information section of the *Catalogue*. Questions regarding program specific financial policies should be directed to the program director/coordinator or FACTS Coordinator.

Financial Aid

Students enrolled in non-traditional programs may apply for financial assistance to attend Union University. Acceptance to the program is required. The student must file an institutional application for financial assistance and the Free Application for Federal Student Aid (FAFSA). Undergraduate students will be awarded Pell Grant based upon eligibility and may apply for Stafford Loans. Check with your program director/coordinator for forms and details.

Instructions on "How to Apply for Scholarships, Financial Assistance and/or Loans" and information specific to adult studies can be found at www.uu.edu/financialaid/adultstudies/howtoapply.cfm.

Loan request forms may be downloaded from www.uu.edu/financialaid/adultstudies/loans.cfm.

Employee Reimbursement

Union University offers financial arrangements for students employed by companies with tuition reimbursement programs. Forms and instructions are available through program director. Forms must be submitted each semester/term.

Academic Policies

Academic policies of the University are considered in force throughout the Adult Studies programs unless specifically noted otherwise within the program description. Program-specific policies and evaluations of course credit toward graduation are not automatically transferable between programs; reevaluation is required with a change of program.

The General Core Curriculum requirements for Union University degrees are outlined in the "Academic Program" section of this *Catalogue*. These requirements are to be followed to the fullest extent possible for students lacking general education credits. Course descriptions of core curriculum and prerequisites courses are found in their respective academic departments of the *Catalogue*. The pattern outlined below may be followed as a guide for accepting previous transfer credits and for completing general education credits when substitutions for the General Core Curriculum are necessary.

- A. Composition/Speech, 9 hours:
 ENG 111 & 112 (Composition I & II)..... 6 hours
 COM 112 or 235 (previously earned credits in Oral Communication, Speech or Business Communication will apply)..... 3 hours
- B. Humanities, 9 hours:
 ENG 201 or 202 (previously earned credits in literature will apply)..... 3 hours

Humanities Electives (previously earned credits in English, Humanities, Philosophy, Language, Music, Art, Theatre, Christian Studies will apply) 6 hours

- C. BIO 100 & PHY 111 (previously earned credits in Biology, Chemistry, Physics, Physical Science, Earth Science, Astronomy, Environmental Science, Geology will apply) 8 hours
- D. Social Science, 9 hours:
 HIS 101 or 102 (previously earned credits in History will apply)..... 3 hours
 Social Science (previously earned credits in History, Economics, Political Science, Sociology, Psychology, Geography, Anthropology will apply). 6 hours
- E. CHR 111 & 112 (previously earned credits in Christian Studies, Bible will apply) 6 hours
- F. Mathematics (MAT 101 or higher) 3 hours
- G. Elective (additional Mathematics, Computer Science, Natural Science, or Social Science will apply) 2 hours

Second Bachelors Degree

Students who have earned a bachelors degree through a regionally accredited college or university may complete a second bachelors degree by completing a new major and its prerequisites. The new hours presented for the second degree must total no less than 30 hours and include 15 upper level hours earned in the major in residence.

Post-Baccalaureate Teacher Licensure

The Post-Baccalaureate Teacher Licensure Program is designed to provide initial teacher licensure or additional endorsements to teach in Tennessee for students with a bachelors degree from an accredited college or university. Candidates for admission should contact the Director of Teacher Education.

Admission Policy

Union University seeks to educate students to be servant leaders, ready to carry out the vocation to which God has called them, and equipped with the abilities necessary to think Christianly and perform skillfully in the world. To this end, Union University seeks to recruit and admit quality undergraduate students of qualified preparation and good character. Union University is primarily an undergraduate institution and seeks to enroll students who desire the educational and Christian life experiences that are offered here and explained in the Mission Statement and Core Values of the University found in the beginning pages of the *Catalogue*.

How to Apply

The Union University Office of Undergraduate Admissions receives and processes applications to traditional undergraduate programs for all semesters and terms of the University. All applications should be mailed to the Office of Undergraduate Admissions, 1050 Union University Drive, Jackson, TN 38305. For more information, or to request an application, call (731) 661-5100 or 1-800-33UNION. Students may apply online at www.uu.edu or complete and return the Union University Application for Undergraduate Admission and Scholarship Assistance with an enclosed application fee of \$35. The check or money order should be made payable to Union University.

Applications will be considered for acceptance on a rolling basis. Since a limited number of spaces may be available for a class, early application is strongly recommended.

General Requirements

Age: An applicant must be at least 16 years of age unless written approval is granted by the Admissions Committee.

Character: An applicant is expected to be of good character. An applicant previously charged, arrested, or convicted of any crime is required to have a personal interview with the Assistant Vice President for Undergraduate Admissions prior to a decision being made regarding admission.

After the applicant has met the entrance requirements, the Assistant Vice President for Undergraduate Admissions will issue a formal letter regarding admittance to the University. Initial admittance to Union University does not imply automatic admission in future semesters. Any student admitted by giving false information or by withholding needed information may be dismissed or retained on probation. This decision will be made after consultation by the Assistant Vice President for Undergraduate Admissions with the appropriate committees and administrators.

Upon receipt and review by the University of all information required for consideration of admission/readmission, the University reserves the right to refuse admission/readmission to any student or applicant based upon a determination by the Assistant Vice President for Undergraduate Admissions and/or the Admissions Committee that admission/readmission of the applicant would not be consistent with the purpose of the University. All documents submitted become the property of Union University.

Admission of Freshmen

Academic Requirements and Stipulations

An applicant for the freshman class must be a graduate of an accredited high school with at least 20 units in Core Subjects. Core Subjects must include these minimum units: English, 4; Mathematics, 3; Social Sciences, 3; Natural Sciences, 3; Foreign Languages/Fine Arts, 2; with the balance being completed in approved electives. A state high school equivalency diploma will be accepted in lieu of a high school diploma. Additionally, students qualifying for Unconditional Admission to Union University must meet two of the following criteria:

1. 22 ACT/1020 SAT (combined critical reading and math scores)
2. 2.5 Core GPA
3. Top 50% of Graduating Class

Students who qualify for Unconditional Admission must have a minimum of 18 ACT/860 SAT (combined critical reading and math scores) and a 2.0 Core GPA regardless of whether or not either of these criteria were

utilized to qualify for admission. These two criteria serve as a "floor" for Unconditional Admission.

Core GPA is a GPA computed by Union University based on each student's performance in a preselected track of high school college preparatory coursework. This required set of courses is as follows: four units of English, three units of math, three units of social science, three units of natural science, two units of either foreign language or fine arts (may choose one of each).

This core GPA will be computed with the official grading scale utilized by the high school where the course credit was awarded.

Occasionally students who do not meet minimum criteria may be accepted with conditions. See Conditionally Admitted Students under Alternative Categories of Admission.

Before Acceptance to the Freshman Class may be granted, the applicant must also file the following information in the Office of Undergraduate Admissions:

1. An admissions application and (non-refundable) application fee,
2. An official ACT or SAT(R) report, and
3. An official high school transcript.

Before registering for classes, the applicant must also submit a \$200 tuition deposit to the Office of Undergraduate Admissions to reserve a place in class. The deposit will apply to tuition charges. A residence life deposit of \$100 is required to reserve an apartment on campus.

Upon high school graduation, freshmen accepted to the University must submit an official high school transcript verifying graduation.

The refund schedule and policies regarding deposits are detailed in the Financial Information section entitled “Refunds.”

Early Admission

Outstanding students may be enrolled in high school and Union as part-time students upon application with a minimum high school GPA of 3.5 considering all coursework and a minimum ACT composite score of 20, or SAT 940 (combined Critical Reading and Math scores).

Outstanding seniors prior to high school graduation may be admitted as full-time students upon application and in consideration of:

1. A minimum high school GPA of 3.5 considering all coursework,
2. A minimum ACT composite score of 20, or SAT 940 (combined Critical Reading and Math scores),
3. A written endorsement from the principal detailing the one or two courses the principal will

accept for completion of the high school diploma. Courses must be completed during the first year of enrollment at Union,

4. Written endorsements from the high school counselor and student’s parents,
5. An application on file with Undergraduate Admissions by April 1,
6. All other freshman requirements for admission,
7. An interview with the Admissions committee may be required, and
8. It is the student’s responsibility to submit a Union transcript to the high school for awarding of the high school diploma.

Home School Admission and Enrollment Philosophy

Union University actively seeks to admit and enroll students with a home school background. Graduating students may be admitted to Union University as freshmen if they meet the same requirements as students from private and/or public high schools as listed under Admission of Freshmen. If a class rank is unavailable, home school students may be admitted without conditions provided they have a minimum ACT composite score of 22 or 1020 SAT (combined critical reading and math scores) and a 2.5 core GPA.

Admission of Students Transferring From Another College

A transfer student must have completed at least 24 semester hours of transferable credit at an accredited college in order to enter Union under this category; otherwise, the applicant must meet freshman admission requirements and transfer GPA requirements. The academic status of a transfer student will be based on his/her cumulative GPA of all accredited post-secondary work attempted. The admission file of a student having less than a 2.3 cumulative GPA will be presented to the Undergraduate Admissions/Readmissions Committee following an interview with the Assistant Vice President for Undergraduate Admissions or the Director of Academic Support. The student may be denied admission, admitted as a Conditional Student (as stated in *Catalogue*), admitted on Academic Probation, or fully admitted. The determination for the above decision shall be the full academic record, recommendations, and explanation of any extenuating circumstances and will be detailed in writing from the Assistant Vice President for Undergraduate Admissions or the Director of Academic Support on behalf of the Admissions Committee.

Before acceptance into Union University may be granted, a transfer student must file the following information in the Office of Undergraduate Admissions:

1. An admissions application and \$35 application fee,
2. An official transcript of credits from all institutions attended, and
3. A completed student transfer form may be required for students who have received official disciplinary

action at a previously attended institution or if special circumstances arise that show a necessity.

Before registering for classes, the applicant must also file the following information in the Office of Undergraduate Admissions:

1. A complete official transcript from all institutions of higher learning attended,
2. A tuition deposit of \$200, applicable to the entering semester, is required after a student has been accepted for admission to reserve a place in class, and
3. A residence life deposit of \$100 is required of residential students to reserve an apartment on campus.

The refund schedule and policies regarding deposits are detailed in the Financial Information section entitled “Refunds.”

Credit will be accepted from other regionally accredited colleges if it parallels courses offered by Union. The minimum grade for acceptance is “C.” No more than 72 semester hours will be accepted from non-baccalaureate granting colleges toward a bachelor’s degree at Union University. Grades from other institutions do not transfer and therefore will not be recorded.

Union University will accept students from a Bible college accredited by The Association for Biblical Higher Education.

1. All regular policies pertaining to the admission of transfer students must be fulfilled.
2. The student must maintain an average of “C” on all work taken during the first semester at Union University in order for the credit from the Bible college to be accepted.

Admission of Students Who Already Have A Bachelor's Degree

Any student having graduated from an accredited undergraduate institution may be admitted to Union University by the following process:

1. An admissions application and (non-refundable) application fee, and
2. Submit official transcripts from all institutions attended.

Students having received a baccalaureate degree are required to submit a student transfer form only if special circumstances arise to show a necessity. A room deposit is required if the student desires campus housing. Additional transcripts may be required if necessary for academic advising.

Admission of Former Union University Students

Any student once admitted to Union University and then missing one or more semesters (Fall or Spring) must be readmitted by the following process:

1. Complete a new application (fee is not required),

2. Clear all previous academic, social, and financial obligations,
3. Submit official transcripts from institutions attended since leaving, and
4. Submit a student transfer form from the last institution attended only if special circumstances arise that show necessity.

A student who voluntarily withdraws and seeks to re-enroll for a later semester/term will be required to be readmitted if the student enrolls at another institution during the absence from Union, regardless of the length of the absence. Voluntary withdrawal does not guarantee permission to readmit to the university nor does it automatically exclude the student from future enrollment.

A former Union University student having less than a 2.0 cumulative GPA from Union University or less than a 2.0 cumulative GPA from all institutions attended will be considered for readmission by the Undergraduate Admission/Readmissions Committee. The student may be denied admission, readmitted with conditions, or readmitted under their prior academic standing at Union University.

Admission of International Students

All international students will meet the same freshman and transfer requirements for regular admission to the University. All international students will complete the required International Application for Admission including its \$50 application fee. All documents must be in English. Official transcripts must be evaluated, at the student's expense, through an approved service for the evaluation of international transcripts. Entry is allowed for Fall Semester only unless a special appeal is granted by the Admissions Committee or the Assistant Vice President for Undergraduate Admissions. The following additional requirements must be met:

1. A physical examination,
2. Student insurance purchased from a company approved by Union University,
3. Each international student shall prepay or show responsible evidence (such as a government scholarship) of having adequate money for one academic year's tuition (for Fall, Winter, Spring Semesters), room, board, insurance, books, and miscellaneous expenses. This amount will be determined by the Assistant Vice President for Undergraduate Admissions and the International Student Liaison Advisor for each individual student during the admission process,
4. Students whose native language is not English will submit TOEFL score reports of not less than 550 paper-based or 80 internet-based or an IELTS score of not less than 6.5 to be considered for full admission. Exceptions to this requirement will be considered for students presenting strong verbal scores on the SAT or ACT.

5. The Enhanced ACT/SAT(R) score requirement will normally be waived if the TOEFL score is at least 550 paper-based or 80 internet-based.
6. TOEFL or IELTS requirements will normally be waived for International Students who transfer to Union with at least 24 semester hours of transferable credit and who present evidence of English proficiency by earning a cumulative GPA of at least 2.3 from another regionally accredited college or university in the United States.
7. Students whose native language is not English will participate in an interview with the International Student Enrollment Counselor or the Assistant Vice President for Undergraduate Admissions and Recruitment. This interview may be conducted either in person or by phone. A placement test may also be required.

From a country where the native language is English, students will be admitted on academic credentials without regard to language requirements. Academic requirements will be the same as for regular admission.

From another accredited institution of higher learning in the United States, students will be required to meet the same requirements for admission as all other transfer students.

An I-20 form may be issued only after admission requirements and the above monetary requirements have been satisfied.

As a condition of their admission, each international student will be required to enroll as a full-time student in course work tailored for their unique orientation needs to include; but not be limited to; ENG 111, ENG 112, and ICS 105. International students will be advised by an international student advisor, as well as by an assigned faculty advisor in their major department, during their first year.

Both the international student advisor and the departmental advisor must be consulted in registration decisions.

For students who have obtained their permanent residency card the following requirements must be met:

1. Submit the Application for Undergraduate Admission with a \$35 application fee.
2. Meet all requirements for regular admission.
3. Submit a copy of permanent residency card.

Admission to Special Programs

Union University occasionally partners with institutions and entities with a shared mission for course offerings and reserves the right to make adjustments to both the admission process and the admission requirements based upon formalized agreements and arrangements with these partnering institutions and entities. These may include dual enrollment agreements and special semester intensive study programs.

Students may complete a maximum of 24 semester hours through the University's reduced tuition programs, including dual enrollment, rising high school senior, and home school enrollment.

Dual Enrollment

The Union University High School Dual Enrollment program is open to exceptional high school juniors and seniors from partnering institutions who have the ability, motivation, and maturity to begin their college education before high school graduation. Students desiring to enroll in the Union University dual enrollment program must do so through Union University's Office of Undergraduate Admissions and meet the admissions criteria as outlined in the formalized agreement with the partnering institution.

Home School Dual Enrollment

Outstanding area home schooled students may be admitted to take a maximum of 12 semester hours during their junior and senior years of high school on a space available basis. A personal conference with the Assistant

Vice President for Undergraduate Admissions is required before the student is accepted for admission. A 20 ACT Composite or a 940 SAT (combined Critical Reading and Math scores) is required.

Rising High School Senior Program

Exceptional high school students, after completing the junior year of high school, may earn college credit by attending the June Term, earning a maximum of seven semester hours. The RHSS Program is designed for selected high school students who:

- A. Have completed the junior year with a B average or a 20 ACT Composite or a 940 SAT (combined Critical Reading and Math scores).
- B. Have demonstrated to their principal or guidance counselor sufficient maturity to profit from college work.

Before being admitted to the program, an applicant must meet the following standards and have the following information on file in the Office of Undergraduate Admissions:

1. An admissions application and application fee
2. A high school transcript of five semesters
3. A recommendation from the student's principal or counselor

A fee of \$125.00 per semester hour is charged. Room and board is available at the regular rates.

No student may participate in the RHSS Program who does not plan to return to high school for completion of the senior year.

Alternative Categories of Admission

Conditionally Admitted Students

Occasionally students who do not meet minimum criteria may be accepted with conditions. Admittance with Condition, as a degree-seeking student, may be based on a further review of high school course work and grades, standardized test scores, GPA, rank in class, and recommendation from appropriate personnel in their school, church and community and an interview with the Director of Academic Support. Conditions will be detailed in writing from the Assistant Vice President for Undergraduate Admissions and Recruitment and the Director of Academic Support on behalf of the Admissions Committee.

Keystone Program

The Keystone Program is designed to support and facilitate a successful transition of conditionally admitted students into the learning community of the university. Its mission

is to encompass and connect the academic achievement, personal strengths, values, goals, and faith for each student. To achieve this mission, the Office of Academic Support will assist in a seamless transition through deliberate and intentional programs outlined in an individualized Keystone Plan. For further information on Keystone, please contact the Office of Undergraduate Admissions.

Provisional Students

With limited exceptions, provisional students are enrolled as degree-seeking students. These students do not have immediate access to official documents in order to be fully admitted. Any credit taken while in this status will not be transferred as regular matriculated credit until the status has officially been changed. Students will be required to submit all outstanding items to complete admissions for the provisional status to be changed.

The student will be bound by all general academic requirements imposed upon fully matriculated students so far as prerequisites, quantity and quality of work. All work completed or attempted will be documented on the academic record.

The conditions and limitations of this status will be outlined in the student's official letter of acceptance. It is the student's responsibility to submit documents required to complete the admission file. A student may remain on provisional status for only one semester and the subsequent short term unless special circumstances exist and an extension is granted by the Assistant Vice President for Undergraduate Admissions. A personal conference with the Assistant Vice President for Undergraduate Admissions may be required before the student is accepted for admission on a provisional basis.

Non-Degree Seeking Students

Students may be admitted to take courses for special interest or as a "visiting student" for a maximum of 12 semester hours. Classes may be taken for credit or audit on a space available basis. Students must meet all requirements for admission to change from Non-Degree Seeking to Degree Seeking status. A personal conference with the Assistant Vice President for Undergraduate Admissions may be required before the student is accepted for admission on this basis. Students admitted as non-degree must reapply each semester/term.

Advanced Placement and Credit by Examination

Placement tests developed by Union University may be administered in all departments represented in the core curriculum. No credit will be awarded for Union-developed tests; the hours required in the core will be satisfied at a higher level.

Nationally recognized credit by examination programs including the Advanced Placement Program of the College Entrance Examination Board (CEEB), the College Level Examination Program (CLEP), Correspondence and Extension credit, International Baccalaureate (IB) and DANTES SST may be accepted. Credit will be awarded

for training received in the military service in accordance with recommendations of the American Council on Education (ACE). Other ACE-evaluated programs may be accepted upon review.

Credit awarded by successful completion of CEEB, CLEP, DANTES and IB exams and for ACE-approved training through non-collegiate sponsored education, including but not limited to the military, is assigned semester hours without quality points.

The General Core for all degrees requires an in-class laboratory science. Therefore, the requirement may not be completely satisfied with credit by testing.

Advanced Placement Program of the College Entrance Examination Board (CEEB)

Union University will award credit with grades of 3 or above:

CEEB Test	Union Parallel/Substitute	Credit
Art History.....	none / ART 210 . . . . .	.3
Studio Art*	none / Elective . . . . .	.3
Biology	BIO 100 / n/a . . . . .	.4
Chemistry	CHE 105 or 111 / n/a . . . . .	.4
Computer Science A	none / CSC Lower-level Elective . . . . .	.3
Computer Science B.....	none / CSC Lower-level Elective. . . . .	.3
Economics	ECO 211-2 / n/a . . . . .	.6
English Language and Composition	ENG 111 / n/a . . . . .	.3
English Literature and Composition	ENG 111-2 / n/a . . . . .	.6
French Language and Composition***.....	FRE 111-2 / n/a . . . . .	.6
German Language.....	GER 111-2/ n/a . . . . .	.6
Government and Politics, United States	PSC 211 / n/a . . . . .	.3
Comparative Government.....	PSC 332 / n/a . . . . .	.3
History, European	n/a / HIS 102 and 3-hour Elective . . . . .	.6
History, United States	HIS 211-2 / n/a . . . . .	.6
History, World.....	HIS 101-2 / n/a . . . . .	.6
Human Geography.....	none / GEO Lower-level Elective . . . . .	.3
Latin.....	LAT 111-2 / Language . . . . .	.6
Mathematics, Calculus AB	MAT 211 / n/a . . . . .	.4
Mathematics, Calculus BC	MAT 211-2 / n/a . . . . .	.8
Music Theory.....	MUS 111 . . . . .	.3
Physics B	PHY 213-4 / n/a . . . . .	.8
Physics C–Mechanical	PHY 231 / n/a . . . . .	.5
Physics C–E & H.....	PHY 232 / n/a . . . . .	.5
Psychology.....	PSY 213 / n/a . . . . .	.3
Spanish Language and Literature***	SPA 111-2 / n/a . . . . .	.6
Statistics.....	MAT 114 / n/a . . . . .	.3

*Pending evaluation of student's art portfolio by Union's Art Department

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***Students will receive 111,112, 211, 212 credit for an AP score of 4 or 5 (total of 12 hours credit)

College-Level Examination Program (CLEP), Subject Exams

Credit will be awarded to students earning a minimum score equivalent to a grade of C in accordance with the standards of ACE:

CLEP	Union Parallel/Substitute	Credit
American Government	PSC 211 / n/a	3
American Literature	none / ENG** Lower-level Elective	3
Analysis and Interpretation of Literature.....	none / ENG Lower-level Elective	3
Biology	BIO 100 / n/a	4
Chemistry.....	CHE 111 / n/a	4
Calculus with Elementary Functions.....	MAT 211 / n/a	4
College Algebra	MAT 111 / n/a	3
College French- Levels 1 and 2*	FRE 111-2 / n/a	6
College German- Levels 1 and 2*	GER 111-2 / n/a	6
College Spanish- Levels 1 and 2*.....	SPA 111-2 / n/a	6
English Literature.....	none / ENG** Lower-level Elective	3
Financial Accounting.....	ACC 211-2 / n/a	6
Human Growth and Development	PSY 324 / n/a	3
Information Systems and Computer App.	none / CSC Lower-level Elective	3
Introduction to Educational Psychology.....	PSY 318 / n/a	3
Introductory Business Law.....	BLAW 321 / n/a	3
Introductory Sociology	SOC 211 / n/a	3
Marketing, Principles.....	%%MKT 328 / n/a	3
Mathematics, College.....	MAT 101&107/n/a	6
Psychology, Introductory	PSY 213 / n/a	3
PreCalculus	MAT 116/n/a	4
Principles of Macroeconomics.....	ECO 211/ n/a	3
Principles of Management	###MGT 318 / n/a.....	3
Principles of Microeconomics.....	ECO 212 / n/a	3
U.S. History I.....	HIS 211 / HIS 101	3
U.S. History II.....	HIS 212 / HIS 102	3
Western Civilization I: Ancient New East to 1648	*HIS Lower-level / HIS 101	3
Western Civilization II: 1648 to the Present.....	*HIS Lower-level / HIS 102	3

* Additional hours are awarded to the student with a superior test score which may apply to a Language major/minor upon demonstration of proficiency for admission to 300-level courses.

** 201 or 202 as needed

%% May not be taken after earning credit in BSOL 421.

May not be taken after BSOL 435 or any MGT course.

* General Core application; application to History major only with History Department approval.

DANTES Subject Standardized Tests

Credit will be awarded for passing scores as defined by ACE:

DANTES Test	Union Parallel/Substitute	Credit
Anthropology, General.....	none / SOC Lower-level Elective	3
Art of the Western World.....	ART Elective / ART 210	3
Astronomy	none / ***PHY Elective.....	3
Business, Introduction	**Elective/Lower-level	3
Business Law II.....	BLAW 324 / n/a	3
Business Mathematics.....	none / Lower-level Elective	3
Business Ethics & Society.....	BAD 475	3
Civil War & Reconstruction	HIS 332 / n/a	3
College Algebra, Fundamentals.....	MAT 111 / n/a	3
Computing, Introduction	none / CSC Lower-level Elective.....	3
Counseling Fundamentals	none / PSY Lower-level Elective	3
Criminal Justice	none / SOC Lower-level Elective	3
Environment & Humanity	none / PHY 310	3
Ethics in America	none / PHL 243	3
Financial Accounting.....	ACC 211 / n/a	3
Finance, Principles.....	FIN 320 / n/a	3
Foundations of Education	%EDU 150 / n/a	2

Health, Here's to your.....	PEWS 324 / n/a	3
Human/Cultural Geography.....	none / GEO Lower-level Elective	3
Human Resource Management	##MGT 432 / n/a	3
Law Enforcement, Introduction	none / Lower-level Elective	3
Life Span Development Psychology.....	PSY 219 / n/a/.	3
Management Information Systems.....	*MGT 310 / n/a	3
Middle East, Introduction to Modern	none / HIS Elective	3
Money & Banking	none / ECO Elective	3
Organizational Behavior.....	*MGT 348 / n/a	3
Personal Finance.....	@ECO 400 / n/a	3
Physical Geology.....	none / ***PHY Elective.	3
Physical Science I.....	@PHY 111 / n/a	3
Public Speaking, Principles	none / COM Lower-level Elective	3
Soviet Union, Rise & Fall	HIS 420 / n/a	3
Statistics, Principles	MAT 114 / n/a	3
Substance Abuse.....	PEWS 301 / n/a	3
Supervision, Principles	##/ Elective	3
Technical Writing.....	none / Elective	3
Vietnam War, History.....	none / HIS Lower-level Elective	3
Western Europe Since 1945.....	none / HIS 322.	3
World Religions, Introduction.....	PHL 349 / n/a	3

*** Together the two tests sub for PHY 112 for teacher licensure programs.

% See the Director of Teacher Education regarding the field experience requirement.

* May not be taken after BSOL 418.

** May not be taken after earning credit in any MGT course, MKT 328, BSOL 402, or BSOL 421.

May not be taken after BSOL 435 or any MGT course.

@ May not be taken after earning credit in CHE or PHY.

@@ May not be taken after BSOL 350.

International Baccalaureate

Union University awards credit for successful completion of selected programs of the International Baccalaureate. Course credit will be awarded as indicated in parenthesis (). IB Level refers to S or Subsidiary, H or Higher, n/a or either level is acceptable.

IB Course	Minimum Score	IB Level....	Union Parallel/Substitute (credit)
Art/Design.....	5	S	ART Lower-level Elective/ART 210 (3)
Biology	5	n/a	BIO 100 (4)
Chemistry.....	5	n/a	CHE 111 and 112 (8)
Computer Science	5	S	CSC 115 (3)
Computer Science	5	H	CSC115(3) & CSC Lower-level Elective (3)
Design Technology.....	5	n/a	Lower-level Elective (3)
English A1	5	H	ENG 202 (3)
Geography.....	5	n/a	GEO 112 (4)
History-Europe.....	5	H	HIS Lower-level Elective / HIS 102 (3)
History-Additional 100-year study.....	5	H	HIS Lower-level Elective (3)
Mathematics	5	H	MAT##(3)
Math Methods	5	S	MAT**(3)#
Math Studies.....	5	S	MAT**(3)
Math, Advance	5	S	MAT 205 (3)
Music.....	5	H	MUS 220 (3)
Music.....	5	S	MUS 216 / ART 210 (3)
Spanish B	5	n/a	SPA 112 (3)
Business & Organization.....	5	n/a	Business @ Upper-level
Economics.....	5	n/a	ECO**(3) Lower Level
Info. Tech. in Global Society	5	S	CSC Lower-level Elective (3)
Psychology.....	5	n/a	PSY## (3) Lower Level
Social Anthropology.....	5	H	SOC 355 (3)

* upon presentation to Art Faculty of acceptable journal

** applicable to General Core requirements

applicable to Specific Core requirements

applicable as an elective to the major or minor indicated

@ applicable as an elective to any SOBA major or minor

FINANCIAL INFORMATION

Student Accounts

The registration of a student signifies an agreement by the student and, if applicable, his/her parents to fulfill the related financial obligations to the end of the semester in which the student is registered. The University expects that every student will care for his/her account and believes that responsibility for handling the student account is a part of the educational experience as a whole.

All financial information is subject to change without notice.

Expenses, Due and Payable

All expenses for the semester, after subtraction of financial aid, are due and payable before the beginning of classes for that semester. A 1.5% service charge will be assessed monthly on all outstanding student account balances.

Failure of a student to keep payments current will make him/her liable for exclusion from class attendance and from the University. All charges must be paid before the student may receive a diploma or academic transcript or enroll for a subsequent term. Students preregistering for a semester must have their current account paid in full; subsequent withdrawal will still incur fees.

Financial assistance, including grants, scholarships, loans for students or parents, and student employment is available for those who qualify. Please review the section below entitled "Scholarships and Financial Aid" for additional information. The University accepts payment via Web Advisor, in person, or by phone or mail. Debit or credit card payments are subject to a convenience fee of 2.5%. We can not accept VISA due to their policies. Payment plans are available if needed, and may be established through the Office of Business and Financial Services.

Tuition and Fees

Tuition for 12-16 hours is \$12,470 per semester hour for Fall and Spring Semesters. For each hour below the 12 hours, the tuition will be \$845 per hour. For each hour in excess of 16 hours the tuition will be \$845 per semester hour. The Audit fee for any semester/term is \$125 per hour; audit does not apply toward graduation.

The Student Services Fee covers a variety of university costs, including the basic medical fee, admission to many campus-sponsored events (including home athletic contests), post office box rental, student publications, graduation, computer lab fees, etc. The student services fee is not refundable.

Tuition Summary

Fall or Spring	
1-11 hours	\$845/hour
12-16 hours	12,470
17+ hours	12,470 + 845/hour
Winter or Summer	580/hour

Winter or Summer Internet Courses (location WB)	580/hour
Audit courses taken with 12 or more hours are subject to an additional charge of \$125 per hour audit fee.	

Resident Student Charges for each Fall or Spring Semester

Room	
Heritage Apartments	\$3,420
The Quads Apartments	3,795
Meals	
50 Meal Block	\$400
100 Meal Block	795
150 Meal Block	1,190
250 Meal Block	1,985

Resident Student Charges for Winter Term or Summer Term

Room*	
Heritage Apartments (summer only)	\$480
The Quads Apartments (summer only)	540
*There will be no charge for Winter Term housing for students enrolled in Winter Term.	
Meals (includes 9.75% sales tax)*	
15 Meals per term	\$120
25 Meals per term	200
45 Meals per term	360
65 Meals per term	525
*Students in an apartment with a kitchen may purchase any meal option but are required to buy the minimum 100 Block Meal Plan.	
Warmath Family Student Apartments (per month plus utilities)	\$620
Warmath Single Student Apartments	
Single Traditional Student occupancy/semester	3,620
Double Traditional Student occupancy/semester	3,260

Student Services/Technology Fee

Fall/Spring, Day/Evening	
12 hours or more	\$355
5-11 hours	290
1-4 hours	225
Winter, Day/Evening	90
Summer (per term)	90

Expenses Paid in Addition To Tuition As Applicable To Student Enrollment in Courses And Programs Noted

Orientation fee (required of all freshmen and Resident Transfers)	\$100
Orientation, additional (required of all International Students and Mk's)	30
ART 113, 114, 116, 117, 218, 357	25
ART 120, 221, 345, 346, 445, 490	90
ART 216, 217, 220, 242, 311, 312, 316, 317, 323, 324, 333, 343, 411, 412, 424	30
ART 413, 414, 499	15
ART 325	40

ART 231, 232	45
AT 170	30
AT 265, 275, 365, 375, 465, 475	50
BIO 100, 110, 112, 121, 200, 211, 213, 214, 215, 221, 222, 312, 315, 316, 317, 318, 395, 495	30
BIO 302, 307, 309, 320, 321, 323, 325, 336, 337, 415 424	40
BIO 322	110
CHEM 105, 111, 112, 301	40
CHEM 106, 221, 319, 324, 326, 327, 405, 430, 435	45
CHEM 424, 425, 498	50
COM 333, 409	30
COM 121, 311, 322, 330, 348, 350, 360, 365, 395 (when applicable), 403 412, 490, 498	90
COM 220, 230, 406, 410	90
EDU 233	20
EDU 326, 351, 352, 353, 354, 355, 356, 410, 411, 414, 416, 417, 430, 431, 432, 433, 435, 437	20
EGR 250, 261, 262, 342, 352, 361, 376, 405, 450, 470, 475	40
GEO 112	40
Keystone Program	200
Language 111, 112	20
MGT 445	35
SE 320, 321, 340, 345, 405, 410, 435	20
PEWS 107, 116	80
PEWS 115	Actual Cost
PEWS 121	40
PEWS 125	135
PHY 111, 112, 213, 214, 231, 232, 301, 311, 310	40
PHY 262	35
PHY 424, 430, 498	50

Music Fees Per Enrollment

Class Piano, Class Voice	\$55
Private lessons 1 hour credit (one 30-minute lesson per week)	140
2 or 3 hours credit (two 30-minute lessons per week)	240

Nursing Fees as indicated

Insurance fee (per year)	\$25
Standardized Exams	Actual Cost
National Student Nurse Association Membership Fee, optional	35
Union University Student Nurse Association Membership Fee, optional	3
School Pin and Composite (at graduation)	35-120
Clinical Fees per enrollment*	
NUR 302	25
NUR 303, 419	50
NUR 304, 307, 308, 309, 421, 423, 425	245
NUR 310	145
NUR 318, 418, 430, 440	195
NUR Challenge Exam 310	330
NUR Challenge Exams 309	85
NUR Challenge Exam 302	140
NUR Challenge Exam 308	220
NUR Challenge Exam 410	110
NUR Challenge Exams 318, 418	195

*Transportation to the clinical site is the responsibility of the student.

Simulation Fee (assessed through NUR 303, 410, 419, 425... \$1,500 paid in 4 installments/clinical semester)

Social Work Program Practice Insurance and Fees

Professional Liability Insurance (approximate cost per year / assessed through SW 201, 315 & 490)	\$25
National Association of Social Workers Membership Fee, optional	42
SW 490 (assessed through SW 423)	50

*Transportation to the practicum site is the responsibility of the student.

Study Abroad, minimum. \$50

Teacher Education Program

Portfolio Fee (assessed in EDU 150)	\$150
Professional Liability Insurance for field experiences (approximate cost)	25
Enhanced Student Teaching (\$20 materials fee / \$140 teaching fee)	160
Background Check / Fingerprinting	Actual Cost

Testing, per attempt:

ACT(R)	\$20
CLEP	77
DANTES SST	95
Calculus-Readiness Test	20

Incomplete and In Progress Processing Fee

A fee of \$10 is charged per Incomplete and In Progress grade assigned.

Late Entrance Fees

A late entrance fee of \$25 will be charged those registering during Late Registration as specified in the calendar.

Course Drop Fee

A fee of \$10 per dropped course will be assessed in addition to any applicable proration of tuition. Permission of the Registrar is required to exempt the charge.

Non-Traditional Programs

For tuition and fees please see the *Catalogue* section entitled Adult Studies.

Rising Seniors

A fee of \$125 per semester hour is charged. Materials fees are charged as applicable. Room and board is available at the regular rates.

Refunds

A. Advance Deposits for New Students

A tuition deposit of \$200 is required after acceptance for admission to reserve a place in class. This deposit applies to the tuition for the entering semester. A housing deposit of \$100 is charged for room reservation in all residence complexes. All tuition and housing deposit will be refunded if the cancellation and request

is made by **May 1** for Fall semester, **November 15** for Winter term, **December 1** the Spring semester, and **May 1** for Summer. **NO REFUND WILL BE GIVEN ON CANCELLATIONS MADE AFTER THESE DATES.** If the student is not accepted for admission, all deposits will be refunded. Requests for refund of tuition deposit must be submitted in writing to the Director of Admissions.

- B. A student following proper procedures for dropping a class(es) or withdrawing from all classes will be refunded tuition charges according to the chart below. Refunds on housing charges will be prorated to the end of the week in which the student withdraws up to day 25. Refunds on meal plans will be prorated to the end of the week in which the student withdraws. Student Services Fee, lab fees, and all other fees are not refundable. Students withdrawing due to disciplinary action will not receive a refund on housing charges.
- C. Refund policy for the sixteen week semester is as follows:
 - 1. On or before the fifth day following the official day of registration as indicated on the University calendar (if withdrawing—100% less \$40 per course matriculation fee)
 - 2. Days six through ten 75%
 - 3. Days eleven through fifteen. 50%
 - 4. Days sixteen through twenty-five 25%
 - 5. After the twenty-fifth day, there is no refund.
- D. Refund policy for the three week semester is as follows:
 - 1. On or before the first day following the official day of registration as indicated on the University calendar (if withdrawing—100% less \$40 per course matriculation fee)
 - 2. Day 1 100%
 - 3. Day 2 75%
 - 4. Day 3 50%
 - 5. Day 4 25%
 - 6. After the fifth day, there is no refund.
- E. Refund policy for the four week terms is as follows:
 - 1. On or before the second day following the official day of registration as indicated on the University calendar (if withdrawing—100% less \$40 per course matriculation fee)
 - 2. Day three 75%
 - 3. Day four 50%
 - 4. Days five through six 25%
 - 5. After day six, there is no refund.

Note: Days noted in C, D, and E exclude Saturdays and Sundays.
- F. Refund policy for the six week term is as follows:
 - 1. On or before the second day following the official day of registration as indicated on the University calendar (if withdrawing—100% less \$40 per course matriculation fee)
 - 2. Day three through day four 75%
 - 3. Day five through day six 50%
 - 4. Day seven through day eight 25%
 - 5. After the eighth day, there is no refund.
- G. Refund policy for the eight through fifteen week terms is as follows:
 - 1. On or before the fourth day following the official day of registration as indicated on the University

calendar (if withdrawing—100% less \$40 per course matriculation fee)

- 2. Days five through ten 75%
- 3. Days eleven through fifteen. 50%
- 4. Days sixteen through eighteen 25%
- 5. After the eighteenth day, there is no refund.

- H. Regulations for refunds for all terms are as follows:
 - 1. Students refusing to conform to the community values of the University forfeit all claims for refunds.
 - 2. All refund regulations put the responsibility on the student. He/she saves money and avoids misunderstanding by immediately seeing the Vice President (or Assistant Vice President) for Business and Financial Services.
- I. Proration of financial assistance upon withdrawal

Information regarding proration of financial assistance upon withdrawal from all classes or dropping of class(es) may be found below in the Scholarship and Financial Aid section.
- J. Housing Deposits

A student graduating or moving out of the residence complex permanently must give written notice to the Director of Residence Life to secure a refund or the housing deposit. Request for refund dates semester/term match those in A. above.

How to Obtain a Credit of Institutional Charges

To obtain a credit of institutional charges, a student must notify Union Station or the Academic Center and indicate the last day which he attended class. Upon verification and approval, this information will be recorded on a withdrawal record and passed to the offices of Business Services and Student Financial Planning for calculation of credit of institutional charges and adjustment of financial assistance.

Equipment

Any University equipment, musical instruments, athletic equipment, laboratory apparatus, etc., made available for students' use is the responsibility of the student. Any damage or breakage, other than by normal use, will be charged to the student's account. No equipment is to leave the campus, unless in care of the faculty member responsible for it.

Scholarships and Financial Aid

The cost of a college education inevitably rests upon the student and his/her family. The Office of Student Financial Planning of Union University exists to help make a Union education more affordable by offering institutional scholarships and grants, and disbursing federal and state funds for which students qualify. A student interested in financial assistance can contact Student Financial Planning to obtain the appropriate forms necessary to complete the financial aid process.

Application

- 1. New students must submit the Union University Application for Undergraduate Admission and

- Scholarship Assistance for the appropriate year to be considered for any aid. Applicants for federal/state assistance must also file the Free Application for Federal Student Aid (FAFSA) for the appropriate year. Applicants for Scholars of Excellence, Engineering Scholarship, TN Baptist Convention Church Scholarship, African American Scholarship, Minority Scholarship, and Church and Convention Ministry Scholarship must submit separate applications. Applicants for on-campus employment must complete a separate online application for employment.
2. Students wishing to reapply for federal and state funds must file the FAFSA or Renewal FAFSA each year. It is the student's responsibility to complete all applications by the deadline.
 3. All students are required to notify Student Financial Planning of any other scholarships or loans extended to them from sources outside the university.
 4. The returning student's financial need will be reevaluated each year and appropriate increase or decrease in the amount of assistance offered will be made.

Award Notification

1. Applicants will be notified of their award package by an Award Letter. The Award Acceptance Form should be signed and returned to Student Financial Planning within the time specified on the Acceptance Form.
2. Federal Stafford Loans are awarded each academic year from a serial Master Promissory Note. Notification of the amount is made to the student by an Award Letter. Students must return the Award Acceptance Form to begin the loan certification process, being sure to make any desired changes to the amount(s).
3. Federal Stafford Loan and PLUS amounts shown on the Award Letter reflect the gross amount of the loan. The net amount of the disbursements may be less, due to fees deducted by the lender.
4. Most awards are divided evenly between fall and spring semesters. The Award Letter indicates how each award will be divided.
5. Most scholarships from outside sources will show on the Award Letter simply as "Outside Scholarship." Any tuition reimbursement will be indicated on the Award Letter as "Tuition Reimbursement."
6. Award for Workshop/Work Study is the amount a student may expect to earn during the academic year contingent upon actual placement in a job assignment and actual hours worked. Students must report to Student Financial Planning upon arrival on campus for job assignment and clearance.

Disbursement

1. Disbursement of awards for a semester (excluding Federal Work Study and Institutional Workshop) is made by crediting the student's account.
2. Students on Federal Work Study receive a monthly paycheck for hours worked. Students on Institutional Workshop have the amount earned each month credited to their student account if there is a balance owed. If the amount earned exceeds any balance owed on the account, the student will receive a paycheck for the

amount earned which exceeds the amount owed. If there is no balance owed, the student will receive a paycheck for total amount earned.

3. Federal Perkins Loan funds cannot be disbursed until the recipient has signed a Perkins Loan Promissory Note and completed Perkins Loan Entrance Counseling as required by federal regulation. Regulations also require a student to complete Stafford Loan Entrance Counseling before Federal Stafford Loan funds can be disbursed. TEACH Grant funds require students complete the Agreement to Serve and TEACH Entrance Counseling prior to receiving the grant.
4. Union awards requiring separate applications (Union TBC Award, Engineering Scholarship, and CCMS) will not be disbursed until the recipient's approved application is on file in Student Financial Planning.
5. The lender will notify the loan borrower of the estimated disbursement dates for Stafford and PLUS loans. Union will notify the student by email when disbursement has been made. Funds received electronically by Union will be posted to the student's account within 3 business days.
6. If the student's account of federal or state aid shows a credit balance, a credit refund check will be available within 14 days.

Financial Aid Census Date

1. A Financial Aid Census Date is established to determine a student's enrollment status (full time: 12 hours or more, $\frac{3}{4}$ time: 9–11 hours, half time: 6–8 hours, less than half time: 1–5 hours) upon which their awards will be made. Union University's Financial Aid Census Date shall be the last day to add a class for the regular semester.
2. A student is required to be enrolled full time as of the census date in order to receive Union University funds. Students whose required hours to graduate are less than full time in their final semester may request their Union University aid be prorated based on the number of actual hours enrolled. A student is required to be enrolled at least half time as of the census date to be awarded Federal Stafford Loan, Federal Parent Loan (PLUS), TN Student Assistance Award (TSAA), Federal ACG Grant, or Federal Smart Gent. A student must be enrolled at least half time at time of disbursement to receive federal loan funds.

Adjustment of Awards

1. Students whose Financial Aid Enrollment Status is less than full time on the census date will have their federal and state awards adjusted according to their enrollment status. Any institutional aid that may have been awarded prior to the census date will be removed due to the full-time enrollment requirement.
2. Students dropping or adding a class after the census date will not have federal and state awards adjusted. An exception is a Pell Grant or TEACH Grant recipient who drops a class never attended, may have Pell Grant or TEACH Grant adjusted according to the resultant enrollment status, per federal regulations. Students awarded Federal Stafford Loans (PLUS) who are enrolled less than half time at the time of disbursement will have disbursements returned to the lender.

3. Students dropping or adding a class after the census date, but during the period of tuition refunds established by the Office of Business and Financial Services, will have their institutional aid adjusted according to actual enrollment status.

Withdrawal from all classes

1. A student who withdraws from all classes before the 60% point of the semester, calculated by calendar days, may have a portion of federal funds (Federal Pell Grant, TEACH Grant, Federal SEOG, Federal ACG, Federal SMART Grant, Federal Perkins Loan, Federal Stafford Loan, Federal PLUS Loan but not Federal Work Study) returned to the source as required by federal regulations. This calculation may result in the student owing a balance to Union University and to the U.S. Department of Education.
2. A student who withdraws from all classes before the last day to receive a refund of tuition charges will have their institutional aid prorated according to the same schedule used to refund tuition.
3. State awards will remain the same according to enrollment status established on the census date.
4. Scholarships received from outside sources will remain the same according to enrollment status established on the census date, unless specified by the donor to be returned in full or in part.

Requirements/Provisions

1. The following scholarships require a student to maintain a minimum cumulative GPA to retain the scholarship. Exact GPA requirements are specified on the Award Letter. Scholars of Excellence Scholarships (Presidential, Provost, Dean, University, Collegiate), Academic

Scholarship, Church and Convention Ministry Scholarship, Engineering Scholarship and Transfer Academic Leadership Scholarship.

2. Scholars of Excellence Students awards are awarded for a maximum of 128 semester hours. Award may be applied towards any regular or overtime hours for Fall, Winter, Spring or Summer Terms. Academic Scholarship and CCMS are awarded for a maximum of either Fall/Spring Semesters. Transfer /Academic Leadership Scholarship is awarded for a maximum of four Fall/Spring Semesters.
3. Students must meet the requirements of Union's Standards of Satisfactory Academic Progress for Financial Aid Eligibility to receive federal/state grants and loans.
4. Prior to graduation or withdrawal, recipients of Federal Perkins Loan, Federal Stafford Loan or TEACH Grant must complete exist counseling regarding loan repayment.

Disclaimers

1. Commitment of federal funds (Pell Grant, Supplemental Educational Opportunity Grant, ACG, SMART Grant, or Perkins Loan) or state funds (Tennessee Student Assistance Award, HOPE Scholarship, General Assembly Merit Scholarship, Aspire Award) is tentative and contingent upon subsequent congressional and/or state appropriation and actual receipt of the funds by Union University.
2. Student Financial Planning reserves the right to review, modify or cancel an award at any time because of changes in financial, enrollment, or academic status; changes of academic program; or because of the recipient's failure to observe reasonable standards of citizenship.

Satisfactory Academic Progress for Financial Aid Eligibility

Federal regulations require institutions of higher education establish minimum standards of "satisfactory academic progress" for students receiving federal financial assistance: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), ACG, SMART Grant, TEACH Grant, Federal Work Study, Federal Perkins Loan, Federal Stafford Loan, and Federal Parent Loan for Undergraduate Students (PLUS). These standards are separate from academic standards required by the university for continued enrollment.

Criteria and Requirements

The criteria used to determine academic progress for purposes of determining eligibility for federal/state financial aid are cumulative GPA, cumulative Completion Rate, and Maximum Time for completion of educational objective.

1. Qualitative Requirement
 - a. Undergraduates must achieve a 1.5 cumulative GPA by the end of the first academic year (24 credit hours).

- b. A student must achieve a 2.0 cumulative GPA after completing the second academic year (48 credit hours), and must maintain a minimum 2.0 through the completion of his program.
2. Quantitative Requirement
 - a. Completion Rate - Students must successfully complete a minimum of 67% of cumulative credit hours attempted, excluding audits and testing credits. To successfully complete is to receive a final grade of A, B, C, D or P.
 - b. Maximum Time for Completion - Students must complete their degree program within 150% of the published length of the program. For example, pursuing a degree requiring 128 credit hours, a student could not receive aid beyond 192 hours attempted, including transfer credit hours, whether or not aid was received for all of those hours.
 3. Freshmen students who either do not achieve the required 1.5 GPA after 24 hours earned or do not achieve the 67% Completion Rate after 24 hours attempted will be allowed to continue to receive state/federal financial aid for one conditional semester, after which they must meet both requirements.

Incomplete Grades

Satisfactory Progress will not be calculated for a student with a grade of Incomplete or In Progress. Therefore awards based on cumulative GPA will not be awarded until a final grade is received and the calculation is made.

Repeated Courses

For financial aid purposes, repeated courses affect academic progress as indicated:

1. GPA - Only the most recent grade applies to the student's cumulative GPA.
2. Completion Rate and Maximum Time Frame - Only credit hours earned for the retake will be counted.

Drop and Withdrawal from Classes

Dropping classes or withdrawal from all classes prior to last day to drop affects a student's completion rate (counts as credit hours attempted but 0 credits earned) and Maximum Time Frame (counts as credit hours attempted).

Transfer Hours

Transfer credit hours apply only toward the overall Maximum Time calculation. Transfer hours have no effect upon the cumulative GPA or Completion Rate.

Students Readmitted to Union

A student readmitted to Union University whose prior academic record does not meet the standards for satisfactory progress will be eligible to receive financial aid for a conditional period of one semester. If, at the end of the conditional period, the student fails to regain satisfactory academic progress, they will not receive aid for subsequent semesters unless they follow the appeal process and are approved, or until such time as they do regain satisfactory academic progress.

Evaluation of Progress

1. Standards used to measure progress must include all semesters/terms of the student's enrollment. Satisfactory progress will be evaluated at the end of each Fall/Spring/Summer Semester.
2. A student who does not meet standards at the end of a semester who enrolls in the following term will not be eligible to receive financial aid for that term. However, credit hours attempted and grades earned during the term could restore the student to satisfactory progress for the following semester. A student who wishes his progress to be reevaluated following a particular term should follow the procedures in "Reinstatement of Eligibility."

Notification of Failure to Meet Satisfactory Academic Progress Standards

At the end of each semester, any student not making satisfactory progress will be notified by Student Financial Planning by letter. Unless the student falls under a conditional period as described in this policy, the student will not be eligible to receive any federal or state financial aid from that point forward. The student may appeal to the Director of Student Financial Planning for reinstatement.

Appeal Process

1. Students who have lost eligibility due to GPA or Completion Rate may appeal if extenuating circumstances prevented them from making satisfactory progress. Appeal is made in writing to the Director of Student Financial Planning describing the extenuating circumstances and indicating steps the student plans to take to improve his academic progress.
2. Students who have lost eligibility for aid for exceeding the 150% Maximum Time Frame may appeal if they have changed their major since beginning attendance at Union. Appeal should be made in writing to the Director of Financial Aid and accompanied by documentation from the Academic Center showing the student's new major and the credit hours which apply toward the new major. The student will be allowed to appeal on the basis of a change in major one time only.
3. If the student who loses eligibility does not appeal or if the appeal is not approved, he/she will not receive federal aid until regaining eligibility. Students will be informed by letter or email of the results of their appeal.

Reinstatement of Eligibility

A student whose letter of appeal is approved will have eligibility reinstated. A student who has no basis of appeal may regain eligibility by bringing his/her cumulative GPA to the standard or, in the case of insufficient Completion Rate, by making up the deficient credit hours. When a student believes that he/she has regained eligibility, he/she should make a written request to Student Financial Planning that eligibility be reinstated. The request should be accompanied by a copy of the student's most recent grades, or in the case of regaining eligibility for Completion Rate, a current academic transcript. The student will be notified by letter or email the results of this request.

Veterans and Their Dependents

Union University is approved by the State Approving Agency for Veterans Training and training of dependents of veterans who qualify. Go to www.uu.edu/financialaid/veteranservices.cfm for information on obtaining these benefits. Check with the Office of Student Financial Planning as soon as possible after enrolling in courses.

Endowed Scholarships

Union University administers numerous privately endowed scholarship funds. Many are designated for students preparing for specific vocations. A full listing of privately endowed scholarships, church endowed scholarships and non-endowed scholarships is available on the Financial Aid web page. All are awarded based on student eligibility and availability of funds. The Application for Undergraduate Admission and Scholarship Assistance serves as the application for these endowed scholarships.

ORGANIZATION OF THE CURRICULUM

Subject Abbreviations

Abbrev.	Subject	Academic Unit
ACC	Accounting	Business Administration
ALNG	Applied Linguistics	Language
ART	Art	Art
AT	Athletic Training	Physical Education, Wellness and Sport
BAD	Business Administration	Business Administration
BIO	Biology	Biology
BLAW	Business Law	Business Administration
BSOL	Organizational Leadership	Continuing Education
CHE	Chemistry	Chemistry
CHR	Christian Studies	Theology and Missions
CLU	College Life at Union	College Life at Union
COM	Communication Arts	Communication Arts
CSC	Computer Science	Computer Science
DMS	Digital Media Studies	Communication Arts
ECO	Economics	Business Administration
EDU	Education	Education
EGR	Engineering	Engineering
ENG	English	English
FIN	Finance	Business Administration
FRE	French	Language
GEO	Geography	History
GER	German	Language
GRK	Greek	Theology and Missions
HBR	Hebrew	Theology and Missions
HIS	History	History
HON	Honors	Interdisciplinary Studies
ICS	Intercultural Studies	Institute for International and Intercultural Studies
LANG	Language	Language
MGT	Management	Business Administration
MKT	Marketing	Business Administration
MAT	Mathematics	Mathematics
MUS	Music	Music
NUR	Nursing	Nursing
PHL	Philosophy	Theology and Missions
PEWS	Physical Education, Wellness and Sport	Physical Education, Wellness and Sport
PHY	Physics	Physics
PSC	Political Science	Political Science
PSY	Psychology	Psychology
RGL	R.G. Lee Centers	Theology and Missions
SIG	Sign Language	Language
SW	Social Work	Social Work
SOC	Sociology	Institute for International and Intercultural Studies
SPA	Spanish	Language
SE	Special Education	Education
TESL	Teaching English as a Second Language	Language
UNI	University Studies	University Studies

COLLEGE OF ARTS AND SCIENCES

Dean

Hunter Baker (2010). Acting Dean of the College of Arts and Sciences and Associate Professor of Political Science. B.S., Florida State University; M.P.A., University of Georgia; J.D., University of Houston Law Center; Ph.D., Baylor University.

George Moss (2009). Assistant Dean of Arts and Sciences and Associate Professor of Mathematics. B.S., Auburn University; Ph.D., Virginia Technological University.

William Nettles (2006). Associate Dean of Arts and Sciences and Professor of Physics and Department Chair. B.S., Mississippi College; M.S., and Ph.D., Vanderbilt University

The College of Arts and Sciences offers five undergraduate degrees in some thirty-two programs of study. Featuring fourteen departments, the College supports the university's core curriculum and provides specialized study in the humanities, the sciences, and the visual and performing arts.

Dedicated to carrying forth the liberal arts tradition of Union University, the College of Arts and Sciences routinely sponsors events which highlight the rewards of a liberal-studies curriculum. From book signings and lectures to exhibits, performances, and colloquia, the College thrives on opportunities to celebrate its status as the heart of Union University.

Mission Statement

The College of Arts and Sciences provides an excellent liberal arts education that is informed by Christian faith and prepares students for life, careers, and service.

Goals

- **Excellence driven:** The College of Arts and Sciences is committed to excellence in every aspect of the academy, including teaching, scholarship, and service.
- **Christ-centered:** The College of Arts and Sciences seeks to foster spiritual growth and the development of a vital Christian worldview in both its faculty and its students.
- **People-focused:** The College of Arts and Sciences consists of faculty and staff committed to modeling the concept of servant leadership.
- **Future-directed:** The College of Arts and Sciences seeks to nurture lifelong learning skills, empowering students and faculty to impact their local and global communities.

DEPARTMENT OF ART

COLLEGE OF ARTS AND SCIENCES

Faculty

Aaron Lee Benson (1996). Professor of Art and Department Chair. B.F.A., B.S., and M.F.A., University of Tennessee at Knoxville.

Haelim Allen (2010). Assistant Professor of Art. B.A., University of Maryland; M.R.E., Trinity Evangelical Divinity School; M.F.A., University of Maryland.

Steve Halla (2009). Assistant Professor of Art. B.A., Moody Bible Institute; Th.M., Dallas Theological Seminary; Ph.D., University of Texas.

Christopher M. Nadaskay (1993). University Professor of Art. B.A., Southern Arkansas University; M.F.A., Texas A&M, Commerce.

Melinda Eckley Posey (2009). Assistant Professor of Art. B.A., Union University; M.F.A., Memphis College of Art.

Curriculum

The Department of Art provides an environment and curriculum devoted to developing skills, stimulating critical thinking, and expressing creativity within the framework of a Christian liberal arts program. In the freshman year art students begin a four-course visual foundations sequence in drawing and design. Students complete a four-course art history sequence and pursue visual studies in one of several areas of concentration. Students may also choose to major in Digital Media Studies. An art major who wishes to teach art grades K-12 may receive licensure. See Teacher Licensure III.

Through department activities students may participate in a variety of related service projects, trips, and social events. The University Art Gallery presents ongoing series of art exhibits highlighting a wide variety of professional artists' work. In addition, the gallery presents an annual exhibit of student work and graduating senior exhibits.

Graduates of the department may continue studies at the graduate level or pursue work in a variety of areas such as digital imaging, graphics, illustration, independent studio art, museum gallery sales, photography, teaching, or web page design.

Students desiring consideration for transfer studio credit, advanced placement, department scholarships, and workshops must submit a portfolio for review by the art faculty. Awards are based on this review and outstanding performance in art coursework.

I. Major in Art—49 hours

- A. Core for all Art majors—31 hours
 1. ART 113, 114, 116, 117, 120, 198
 2. ART 313, 314, 315, 318; Graphic Design Emphasis may substitute ART 319 for 318.
 3. ART 398, 499

- B. Choose a subset of the 3 concentrations: Drawing/Painting; Ceramics/Sculpture; Graphic Design/Photography; Visual Aesthetics—12 hours. Application of a course in the other subset of the concentration is allowed with departmental approval.
- C. Choose a secondary studio subset from B—6 hours.

II. Digital Media Studies Major

- A. Core requirements for all emphases—39 hours
 1. ART 120, 221, 345, 348; DMS 190
 2. COM 220, 320, 327, 365
 3. CSC 115 (or 105 & 106), 200, 360, 351
 4. DMS 490
- B. Art Emphasis requirements—32 hours
 1. ART 113, 114, 116, 198, 231
 2. ART 346, 398, 445
 3. Art History 313, 314, 315, 319—12 hours
- C. Communication Arts Emphasis (25 hours) and Computer Science Emphasis (25 hours). See respective departments for details.

III. Teacher Licensure for Visual Arts (Grades K-12)

- A. Major in art as shown above. Must include: ART 216, 311, 323; 2 areas in the secondary concentration may be used to facilitate this requirement.
- B. Professional Education: ART 325; EDU 150, 250, 326, 417, 435; PSY 213, 318; SE 225.
- C. Applicable portions of the Praxis II.
- D. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IV. Minor in Art—24 hours

- A. Core for all art minors—15 hours
 1. ART 113, 114, 116, 117
 2. ART 313, 314, 315, or 318
- B. Art Electives—9 hours

V. Minor in Visual Aesthetics—18 hours

- A. ART 237 and 230—6 hours
- B. ART 327 and 330—6 hours
- C. ART 427 and 430—6 hours
- D. Minor cannot be earned with a major of the Art Department.

Major in Art with Discipline-Specific Honors Application Timeline/Process

Students may apply at the end of the sophomore year.

Admission Requirements

- Completion of at least 15 hours at Union University or in transfer
- Minimum GPA of 3.50 in all coursework
- Grade of A in each of the following courses: ART 113, 114, 116, 117, 120, and 198
- Completion of all 12 hours in a studio or visual aesthetics emphasis

Progression

In addition to the 31-hour Art core and the 12-hour art concentration required of all majors, a student in discipline-specific honors must complete

1. 12 hours of Art Aesthetics courses
2. Art 413-414 (3 hours fall, 3 hours spring of the senior year)
3. Art 495-6-7 (6 hours in any combination)
4. Art 499 (2 hours, counted toward the Art core; must be taken in spring of senior year)
5. A weekly meeting with each instructor

Students are also required to attend presentations of Art Honors projects/theses.

If specific guidelines and markers for completing assigned experiences are not met by the student, the instructor will report to the Art faculty for its recommendation of either probation or dismissal of the

student from the Honors program. The Honors Director will be notified of any student on probation and will be included in the process involved for a dismissal.

Assessment of Majors

Students with a major in the Department are required to take ART 398 for assessment of work in the major after completion of 12 hours as required to submit a portfolio containing slides or original work in the chosen area of concentration. Portfolios will be retained in the department. Art majors are required to present an exhibition of their work, ART 499, during the semester of graduation. The assessment of the major is based on the exhibition, an oral review, and an artist's statement. DMS/ Art majors are required to make a formal presentation of research, ART 490, during the semester of graduation.

Course Offerings in Art (ART)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

Art History

210. The Arts in Western Civilization (3) F, W, S

Prerequisite/Corequisite: HIS 101, Attendance at specified cultural events.

Introduction to the principal styles of fine art from architecture, music, painting, sculpture, literature, and theatre, giving economic, religious, social, and political reasons for development, as well as insight through formal analysis of how these forms are constructed. Appreciation of the fine arts as evidence of the spirit and values of specific times.

227. Visual Aesthetics: The Western Tradition, Classical Greece to the Renaissance (3) F

A study of visual aesthetics in the Western tradition from Classical Greece to the Renaissance with a specific focus on the visual arts.

230. Visual Aesthetics: The Western Tradition, The Renaissance to the 19th Century (3) S

A study of visual aesthetics in the Western tradition from the Renaissance to the 19th Century with a specific focus on the visual arts.

313. Art History I (3) F

Prerequisite: ART 210.

A survey of painting, sculpture, architecture, and the minor arts as represented by significant examples of art from prehistoric times to the Medieval Period.

314. Art History II (3) S

Prerequisite: ART 210.

A survey of painting, sculpture, architecture, and the minor arts as represented by significant examples of art from the Renaissance to Romanticism.

315. Art History III (3) F

Prerequisite: ART 210.

A survey of painting, sculpture, architecture, and the minor arts as represented by significant examples of art from Realism to the present.

318. Contemporary Issues in Art (3) S

Prerequisite: ART 315.

Seminar to expand the critical approach adding the Christian contribution to contemporary art as well as insights from practicing artists. Includes team survey projects, research assignments, and film review.

319. History of Graphic Design and Visual Culture (3) F or S

Prerequisite: ART 113, 198.

Survey of methods, fundamentals of design, history of the medium/culture, while examining critical theory and the impact of technology upon design precepts that previously dominated design history. Includes research assignments, cultural review and examples of design from prehistoric to modern times.

327. Visual Aesthetics: The Japanese and Native North American Traditions (3) Fall—Even Years

A study of visual aesthetics in the Japanese and Native North American traditions with a specific focus on the visual arts.

330. Visual Aesthetics: The Western Tradition 1900–1950 (3) Spring—Even Years

A study of visual aesthetics in the Western tradition from 1900-1950 with a specific focus on the visual arts.

427. Visual Aesthetics: The Western Tradition 1950–2000 (3) Fall—Odd Years

A study of visual aesthetics in the Western tradition from 1950-2000 with a specific focus on the visual arts.

430. Visual Aesthetics: Contemporary Issues 2000–Present (3) S—Odd Years

A study of visual aesthetics in the Western tradition from 2000 to the Present with a specific focus on the visual arts.

Studio Courses

113. 2D Foundations: Design (3) F

Study of the elements and principles of two-dimensional design with an emphasis on color theory. Six studio hours per week.

114. Three-Dimensional Design (3) S

A skill-based course where students learn aesthetic problem solving skills as they relate with areas of three dimensionality; ie, texture, form and space. Students will develop a vocabulary that will enable them to articulate visual arts ideas, concepts and criticisms. Six studio hours per week.

116. 2D Foundations: Basic Drawing (3) F, S

Introduction to the materials and processes of drawing. Emphasis is placed on strengthening visual awareness through observation, spatial organization, and development of imagery. Six studio hours per week.

117. 2D Foundations: Drawing the Figure (3) S

Prerequisite: ART 116.

Objective and subjective representation of the human figure through various traditional and nontraditional drawing media. Six studio hours per week.

120. Introduction to Digital Media (3) F, S

An introduction to the creative potential and application of computer-generated art. Applied instruction combined with theoretical considerations guide students to a basic understanding of the computer as a creative medium. Six studio hours per week.

198. Visual Arts Seminar I: Introduction (0) F

Introduction to Art major emphases, program and department expectations, international study opportunities, and work presentation/craftsmanship. Pass/Fail.

216. Ceramics Hand Building (3) F

The introductory studio class with focus on skills of building, decorating and firing clay. The student will learn to hand build using pinch, coil, hard, and soft slab methods. Six studio hours per week.

217. Ceramics Wheel Throwing I (3) S

Prerequisite: ART 216.

Focus on the skill of throwing on the wheel, decorating and firing class. Students will produce a variety of forms including cups, bowls, plates, platters, pitchers and teapots. The student will fire and glaze 10 works in each form assigned while learning how to fire high fire gas kilns and begin the process of glaze calculation. Six studio hours per week.

218. Drawing: Advanced Methods and Practices (3) F or S

Prerequisite: ART 117.

Advanced study of drawing emphasizing the development of personal expression and critical analysis. Six studio hours per week.

220. Stained Glass (3) As Needed

A basic introduction to the copper foil method of stained glass. The cutting, grozing, grinding, fitting, foiling, and soldering of stained glass will be explored.

221. Introduction to Graphic Design and Visual Language (3) F

Prerequisite: ART 113 or consent of the instructor.

A study of the techniques, practices, and history of the Graphic Design field. Attention will be given to basic concepts and techniques involved in the preparation of art for commercial reproduction, publication design, and the use of the computer as a design tool. Six studio hours per week.

231. Photography I (3) F

Prerequisite: Camera with manually adjustable aperture and shutter speed.

Introduction to processes and aesthetical values of black and white photography, including basic camera and darkroom techniques, content, and composition, and an introduction to expressive and documentary works applicable to art and journalism. Student furnishes film and darkroom supplies for projects. Six studio hours per week.

232. Photography II (3) S

Prerequisite: ART 231.

A continuing exploration of photography with emphasis on creative expression and visual experimentation. Six studio hours per week.

242. Printmaking I: Basic Planographic Processes (3) As Needed

Prerequisite: ART 116 or 117.

An introduction to printing in the processes of intaglio, relief, and planographic. Six studio hours per week.

311-2. Painting: Intermediate and Advanced Methods and Practices (3) F, S

Prerequisite: ART 116.

Traditional practices and approaches to studio oil/acrylic painting. Emphasis on continued visual development and the use of color. Six studio hours per week.

316. Ceramics Wheel Throwing II (3) F

Prerequisite: ART 217

Advanced skill of throwing on the wheel, decorating and firing clay. The student will throw a significant number of pots to perfect throwing skills and will produce gallery or show-quality pieces. The student will write their own criteria in throwing. Six studio hours per week.

317. Ceramics Wheel Throwing III (3) S

Prerequisite: ART 316.

Advanced skills of throwing on the wheel, as well as setting up, equipping, maintaining and running professional production pottery. The student will throw a significant number of pots to perfect throwing skills and will participate in a craft show and fair. The student will write their own criteria in throwing. Six studio hours per week.

323. Sculpture I (3) F

Prerequisite: ART 116.

An introductory course to the various processes, tools, and techniques that are used in creating 3-dimensional sculpture. Six studio hours per week.

324. Sculpture II (3) S

Prerequisite: ART 116.

Modeling and casting in various materials. Six studio hours per week.

331. Photography III (3) F

Prerequisite: ART 232

A continuation of building technical and studio skills acquired in I and II and also to begin the introductions to digital work. To include basic digital techniques as well as computer related instruction including photo editing software and photo-related hardware.

332. Photography IV (3) S

Prerequisite: ART 232

Portfolio development as it pertains to digital and black and white, wet photography, photo history, and current photo trends. Students will develop aesthetic skills, exploration of photo expression and creativity.

333. Sculpture III Life Modeling (3) F

Prerequisite: Art 324.

Individual development of sculpture areas with specific concentration on concept, composition, and content. Research oriented through slides, books, and actual works. Individual responsibility for subject matter encouraged.

338. Advanced Drawing: Expression, Experimentation and Critical Analysis (3) F, S

Prerequisite: ART 218

Advanced individualized study of drawing emphasizing the development of personal drawing techniques, modes of expression, experimentation with the non-traditional media and critical analysis. Six studio hours per week.

343. Printmaking II: Advanced Planographic Processes (3) As Needed

Prerequisite: ART 242.

A continuation of ART 242 with emphasis on developing visual expression and concept through the printmaking mediums. Six studio hours per week.

345. Identity Systems (3) S

Prerequisite: ART 221.

A continuation of 221 with emphasis on corporate media structures, branding techniques and strategies. Attention will be given to artwork preparation, presentation for client, package design, commercial reproduction and printing techniques. Six studio hours per week.

346. Typography (3) F

Prerequisite: ART 345.

A comprehensive study of type, its history, standard usage and creative trends. Students will learn measuring systems, grid composition, and the influence of the computer as a type design tool. Six studio hours per week.

348. Motion Graphics (3) F

Prerequisites: ART 221 & 345.

Introduction to motion graphics, with emphasis placed on animation of typography, motion transitions and animation software. Six studio hours/week.

398. Visual Arts Seminar II: Mid-Program Review (2) F

Prerequisite: ART 198.

Review of student work with Art faculty for direction and clarification of the successful completion of the major. Topics include making slides of work, motivational gifts assessment, exploration of career paths, internship options, and resume building.

411-2. Advanced Painting: Expression, Experimentation and Critical Analysis (3) F, S

Prerequisite: ART 312.

Continued development of painting with emphasis on expression of personal vision, experimentation, and development of a body of work which indicates a direction of artistic pursuit. Six studio hours per week.

413-4. Advanced Art Studio (3) F, W, S, Su

Prerequisite: Consent of the Instructor.

Advanced studio course for professional development in any of the major areas of the department; meets at the same time the parallel studio is scheduled.

424. Sculpture IV (3) S

Prerequisites: Art 333.

Individual development of sculpture problems and techniques. Students are responsible for developing a thematic investigation of a specific concept using appropriate methods, materials, and techniques.

445. Design Studio Practicum (3) S

Prerequisite: ART 346.

Advanced study in graphic design techniques and fieldwork. Students will develop an in depth portfolio of work that will emphasize experimental techniques, creative use of imagery and material, as well as strategies for freelance and creative development. Six studio hours per week.

485. Internship/Apprenticeship (2-4) As Needed

Prerequisite: Permission of Chair.

Students are assigned supervised practical work or studio experience in their chosen concentration in art. Does not satisfy art major or minor requirements. May be taken for a maximum of 9 credit hours. Pass/Fail.

490. Digital Media Studies Senior Seminar (3) F, S

Reciprocal credit: DMS 490.

Capstone course for DMS-ART Emphasis for exposure to the variety of fields of digital media and associate workplace cultures. Includes case studies, guest speakers, field trips, and an interdisciplinary group project culminating in the production of a computer-based portfolio for job search.

499. Seminar III: Portfolio and Graduating Exhibit (2) F, S

Prerequisite: Consent of the Department; ART 198, 398.

Portfolio selection, compilation, and documentation of student's work in the chosen area of concentration. Students must present an exhibition of their work in a gallery setting. Work exhibited may represent both primary and secondary concentrations.

Teacher Licensure

325. Art in the Elementary Schools (3) F, S

A course designed for the elementary teacher developing art skills drawn from study units in art appreciation. No credit toward a major in art.

357. Instructional Design VII: Integrating Art into Classroom Instruction (2) As Needed

Design and implementation of instruction with attention to current issues, problems, and practices in the field, including integration of art in classroom instruction, national standards, integration of technology, diversity, inclusion, and faith and ethics.

Course Offerings in Digital Media Studies (DMS)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

190. Digital Media Studies Freshman Seminar (0) F or S

An introduction to the Digital Media Studies major and to the field of digital media, with emphasis on program expectations. Graded Pass/Fail.

490. Digital Media Studies Senior Seminar (3) F, S

Reciprocal with CSC and COM.

Capstone course for DMS major to bring the emphases together for exposure to the variety of fields of digital media and associated workplace cultures. Includes case studies, guest speakers, field trips, and an interdisciplinary group project culminating in the production of a computer-based portfolio for job search.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular department offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular department offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

DEPARTMENT OF BIOLOGY

COLLEGE OF ARTS AND SCIENCES

Faculty

Mark Bolyard (2006). Professor of Biology and Department Chair. B.A., Hanover College; Ph.D., University of North Carolina.

Jennifer Gruenke (2009). Associate Professor of Biology and Director of the Center for Scientific Studies. B.S., Bryan College; Ph.D., University of Virginia.

James A. Huggins (1987). University Professor of Biology. B.S.A. and M.S., Arkansas State University; Ph.D., University of Memphis; Additional study, University of Tennessee at Memphis, Mid-America Baptist Theological Seminary, and University of Memphis.

James Kerfoot, Jr. (2009). Assistant Professor of Biology. B.S. and M.S., Southern Illinois University Edwardsville; Ph.D., Florida Institute of Technology.

James Marcus Lockett (2004). Associate Professor of Biology. B.S. and M.S., Murray State University; Ph.D., University of Tennessee.

Andy Madison (2002). Associate Professor of Biology. B.S., University of Tennessee; M.S., University of Kentucky; Ph.D., Kansas State University.

James Mahan (2010). Associate Professor of Biology. B.A., Vanderbilt University; M.S. and Ph.D., University of Memphis.

Michael L. McMahan (1980). University Professor of Biology. B.S. and M.S., University of Mississippi; Ph.D., Louisiana State University.

Tamara Popplewell (2008). Assistant Professor of Biology. B.S. and M.A.Ed., Union University; additional study, Mississippi State University.

Michael Schiebout (2012). Assistant Professor of Biology. B.A., Dordt College; M.S. and Ph.D., University of Northern Colorado.

Elsie Y. Smith (1962). Associate Professor of Biology. B.S., Union University; M.S., University of Illinois; Additional study in Radiation Biology, University of Tennessee at Memphis.

Carol Weaver (1998). Professor of Biology. B.S., Union University; M.S., University of Missouri–St. Louis; Ph.D., St. Louis University.

Wayne Wofford (1987). Professor of Biology. B.S., Union University; M.S. and Ph.D., Texas A & M University.

Faith A. Zamamiri-Davis (2011). Assistant Professor of Biology. B.S., Westmont College; Ph.D., Pennsylvania State University.

Instructional Staff

Lisa Conway (2012). Laboratory Specialist. B.S. and D.V.M., Texas A&M University.

Cathy Huggins (2009). Laboratory Specialist. B.S. and B.S.M.T., Arkansas State University; M.B.A., Union University.

Robert A. Wamble (2011). Laboratory Specialist. B.S., University of Tennessee, Knoxville; D.V.M., Auburn University.

Curriculum

The curriculum in biology is designed to acquaint students with living organisms as whole, functioning entities that, in their diversity, share many common features. In addition to providing the scientific background required of all educated citizens, the courses provide a foundation upon which the student may build a graduate program, undertake training in health-related professions, or prepare for secondary-level science teaching. Students participate in independent or group research as well as specific courses.

Because contemporary biology leans heavily on mathematics and physical sciences, students majoring in biology should include mathematics, statistics, chemistry, and physics. In the freshman year students in BIO 112 will build a foundation for study of biological processes. Students can proceed to the first 200-level biology course during the second semester of the freshman year. In the sophomore year, students will continue the survey of the kingdoms of life by taking additional 200-level biology courses. Students should strengthen their understanding of mathematics and obtain a background in organic chemistry as appropriate. Biology courses at the 300-400 level should be taken during the junior and senior years, with seminar reserved for the senior year. Students will examine in detail how organisms function and interact with their environment and each other.

Biology majors are required to complete a minor and are encouraged to minor in chemistry. Conservation Biology and Cell and Molecular majors are exempt from the minor requirement.

Upper-level students may enroll in courses by cooperative agreement with the Gulf Coast Research Laboratory and the Au Sable Institute of Environmental Studies. For information, see the Department Chair.

Conservation Biology Majors may meet the requirements to become a certified wildlife biologist by taking twelve hours of communication. The General Core requirement for COM 112 and electives of COM 121 and COM 235 may be used to fulfill 10 hours of this requirement. The remaining hours may be selected in consultation with your assigned faculty advisor.

I. Major in Biology—42-48 hours

- A. General Biology Concentration/Independent Research Option—42-44 hours
1. BIO 112, 302, 425, 426, 437, and 498—8 hours
 2. BIO 211, 213, 214, 215, and 315—20 hours
 3. Four 300-level BIO courses—14 hours minimum
- B. General Biology Concentration/Collaborative Research Option—45-47 hours
1. BIO 112, 302, 415, and 498—7 hours
 2. BIO 211, 213, 214, 215, 304 and 315—24 hours
 3. Four 300-level BIO courses—18 hours minimum
- C. Zoology Concentration/Independent Research Option—43-44 hours
1. BIO 112, 302, 425, 426, 437, and 498—8 hours
 2. BIO 213, 214; 200 or 211—12 hours
 3. BIO 316, five 300-level BIO excluding 307, 309, 322 & 337—23 hours minimum
- D. Zoology Concentration/Collaborative Research Option—47-48 hours
1. BIO 112, 302, 415, and 498—7 hours
 2. BIO 213, 214; 200 or 211; 304—16 hours
 3. BIO 316, five 300-level BIO excluding 307, 309, 322 & 337—27 hours minimum

II. Major in Cell and Molecular Biology—72–76 hours

- A. Independent Research Option—72–73 hours
1. BIO 112, 211; 214 or 215—12 hours
 2. BIO 302, 315, 323, 325, 397, 498—16 hours
 3. Three of BIO 307, 309, 310, 316, 317, 320, 321, or 324—12 hours
 4. One 300-level BIO Elective—3 or 4 hours
 5. CHE 111, 112, 314, 315, 324, 326, 319, 329—26 hours
 6. BIO 425, 426 and 437—3 hours
 7. No minor is required
- B. Collaborative Research Option—75–76 hours
1. BIO 112, 211; 214 or 215—12 hours
 2. BIO 302, 315, 323, 325, 397, 498—16 hours
 3. Three of BIO 307, 309, 310, 316, 317, 320, 321, or 324—12 hours
 4. One 300-level BIO Elective—3 or 4 hours
 5. CHE 111, 112, 314, 315, 324, 326, 319, 329—26 hours
 6. BIO 304 and 415—6 hours
 7. No minor is required

III. Major in Conservation Biology—70-71 hours

- A. Prerequisites or Corequisites: CHE 111; PHY 112 or higher; 2 MAT courses 111 or higher
- B. BIO 112, 200, 213, 214, 215—20 hours
- C. BIO 302, 303, 304, 305, 315, 318, 335, 336, 337, 355—32 hours
- D. BIO 425, 426, 437, 498—4 hours
- E. No minor is required.

IV. Teacher Licensure in Biology (Grades 7-12)

- A. Major requirements as shown above with General Biology Concentration (I.A. or B) to include 316 (or 307 and 309) and 318.
- B. Additional requirements: PHY 111 & 112; CHE 111 & 112; MAT 114 or 208 (in B.S. core); CSC 105; and membership in BIOME.

C. Professional Education: EDU 150, 250, 326, 418, 433; PSY 213, 318; SE 225

D. Completion of applicable portions of the Praxis II.

E. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

V. Minor in Biology—21–24 hours

- A. BIO 112
- B. Two 200-level BIO courses—7–8 hours
- C. Three 300-level BIO courses—10–12 hours, no more than 2 may be from BIO 307, 309, 322.

Major in Biology with Discipline-Specific Honors

The Biology Discipline-Specific Honors program offers advanced training in laboratory and library research through completion of contract courses with expanded requirements, a original research project, as well as colloquium attendance.

Application Timeline/Process

- At least three full semesters, preferably four, must remain before graduation
- Applications are submitted to the Office of the Director of the Honors Community after the student has met with the Chair of the Department of Biology

Admission Requirements

- Minimum GPA of 3.50 both overall and in Biology
- Completion of at least one semester at Union prior to application

Progression

- Maintain at least a 3.50 GPA both overall and in Biology
- Complete each honors contract course with a B or better

A one-time, one-semester probation will be allowed to correct a deficient GPA. If the deficiency is not corrected, the student will be dismissed from the Honors program. A one-time, one-semester probation also will be allowed for students failing to meet other expectations, as determined by their thesis adviser and/or Biology chair. Appeals may be instituted by students in the manner stipulated in the Student Handbook. Application forms may be obtained from the department chair.

Honors Requirements

Accepted students will

1. Complete 12 hours of contract courses, selected from among the 300-level biology courses that count toward the Biology major, by entering into a contract with the instructor of each chosen course that outlines the additional course requirements
2. Attend at least four colloquia during each year (8 total) and, within one week of attendance, submit a reflection paper on each colloquium to his or her thesis adviser. At least one of the four colloquia

attended each year must be sponsored by the Biology Department.

3. Design and complete an honors project/thesis that will lead to either an off-campus presentation or to a paper suitable for submission to an appropriate professional journal. This project meets the research requirement all Biology majors must complete prior to graduation.

Assessment of Majors

Biology majors are required to take two terminal courses as a requirement for graduation: BIO 415, Collaborative Research Experience or BIO 437 Research Experience; and BIO 498, Seminar. The Department administers the Major Field Examination to senior biology majors in BIO 498.

Student Organizations

Biologists In Observation of the Master's Earth, BIOME, serves students interested in exploring the world of biology beyond the classroom. BIOME is designed primarily for biology majors and minors but is open to anyone with an interest in biology.

Union's Biology department has recently formed a local chapter of **Tri-Beta**, which is a society for students, particularly undergraduates, dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research (www.tri-beta.org).

Student Awards

The **Biology Research Award** is given by the faculty of the Department of Biology to the student in BIO 437 who presents the best research paper of the year, based on an original piece of work.

Whiteaker Freshman Biology Award. The Department selects a freshman major or minor based on outstanding scholastic achievement, financial need, Christian service, and school spirit.

Course Offerings in Biology (BIO)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

100. Survey of Biological Concepts (4) F, W, S

A course for non-science majors focused on the basic ideas to enable students to appreciate the living world and their relationship to it. Topics : the cell, genetic basis of life, biodiversity, survey of the 5 kingdoms of life, ecology, and the environment. Three hours lecture and 2 hours laboratory/week. No credit toward BIO major/minor.

110. Global Biology (4) S

A course for non-science majors focused on global issues in biology, including global diversity, global health; agriculture and biotechnology; and the interactions between humans and nature. Three hours lecture and 2 hours laboratory/week. No credit toward BIO major/minor.

112. Principles of Biology (4) F, S

A study of the basic characteristics of organisms, dealing with structure, function, reproduction, and ecology. Three hours lecture and 3 hours laboratory/week.

200. Wildlife Biology (4) S

Prerequisite: BIO 100 or 112.

Biological concepts involved in fisheries and wildlife biology, their application in practice, and exploration of contemporary issues facing the organisms, habitats, and human consumers. Three hours lecture and 3 hours laboratory/week.

201. Survey of Microbiology (4) F, S

Pre- or Corequisites: BIO 221 and BIO 222.

Emphasis on observation, growth, identification and control of microbes with focus on selected microbial diseases. Four hours lecture per week to include lab demonstrations and simulations. No credit toward BIO major/minor.

211. Microbiology (4) F, S

Prerequisites: BIO 112 and CHE 111.

Classification, morphology, physiology, and ecology of bacteria and viruses, with special emphasis on bacteria. Three hours lecture and 3 hours laboratory/week.

213. Invertebrate Zoology (4) F

Prerequisite: BIO 112.

Classification, morphology, physiology, and ecology of the invertebrate animals. Three hours lecture and 3 hours laboratory/week.

214. Vertebrate Zoology (4) S

Prerequisite: BIO 112.

Classification, morphology, physiology, and ecology of the vertebrate animals. Three hours lecture and 3 hours laboratory/week.

215. Botany (4) F

Prerequisite: BIO 112 and CHE 111.

Classification, morphology, physiology, and ecology of the algae, fungi, bryophytes, and vascular plants. Three hours lecture and 3 hours laboratory/week.

221. Human Anatomy & Physiology (4) F, Su

The first semester of a 2-semester course for nursing, physical education, and allied health students. Body systems studied include the integumentary, cardiovascular, lymphatic, skeletal, and muscular. Three hours lecture and 2 hours laboratory/week. No credit toward BIO major/minor.

222. Human Anatomy & Physiology (4) S, Su

A continuation of BIO 221. Systems studied include: urinary, nervous, endocrine, digestive, and respiratory. Three hours lecture and 2 hours laboratory/week. No credit toward a BIO major/minor.

300. Pathophysiology (3) F, W, S

Prerequisite: BIO 221 and 222.

Various states of altered health. Topics: stress, shock, altered acid-base balance, altered fluid and electrolyte balance, neoplasia, hypertension, immunodeficiency, genetic disorders, altered cardiac rhythms, renal failure and uremia. No credit toward a BIO major/minor.

302. Seminar Attendance (0) F, S

Prerequisites: 12 BIO hours, graded on a Pass/Fail basis. Students are required to attend all seminar presentations made by students enrolled in BIO 498 during the semester. Must be taken before enrolling in BIO 498.

303. Natural Resources Policy (3) F—Odd Years

Prerequisites: BIO 112, 200, & 4 hours applicable to Conservation BIO major.

Examines current laws and policies governing public and private lands and the conservation of wildlife in the United States.

304. Experimental Design and Biostatistics (4) F

Prerequisites: 12 BIO hours; MAT 111 or higher (MAT 114 or 208 recommended)

Introduces students to the basic concepts and techniques underlying statistical analysis of data in a biological context. Students will be given the opportunity to identify a variety of biological problems, develop specific questions, design and conduct experiments to address these questions, formulate and test hypotheses, choose and run the appropriate statistical test, and interpret the outcomes of such test. Three hours lecture and 3 hours laboratory/week.

305. Conservation Techniques (3) S—Odd Years

Prerequisites: BIO 112, 200, & 4 hours applicable to Conservation BIO major.

A field intensive introduction to techniques for determining the age of many species, trapping for population assessments, terrestrial and aquatic sampling methods, methods for assessing population health through necropsies, and habitat management techniques.

307. Advanced Human Anatomy & Physiology I (4) F

Prerequisite: BIO 112, 214 and an additional 4 hours of BIO hours applicable to the BIO major.

The 1st of a 2-semester sequence designed primarily for science majors seeking to establish a knowledge base of human anatomy and physiology. Body systems studied include the integumentary, skeletal, muscular, and nervous systems. Three hours lecture and 3 hours laboratory/week.

309. Advanced Human Anatomy and Physiology II (4) S

Prerequisite: BIO 307.

A continuation of BIO 307 studying body systems: endocrine, cardiovascular, respiratory, urinary, digestive, and lymphatic. Three hours lecture and 3 hours laboratory/week.

310. Histology (4) W—Odd Years

Prerequisite: BIO 112 and 8 hours of BIO applicable to the Biology Major.

The branch of anatomy that deals with structure, composition, design and function of body tissues as it relates to the principles of physiology, biochemistry, molecular biology and medicine. Three hours lecture and 3 hours laboratory/week.

312. Comparative Vertebrate Anatomy (4) W—Odd Years

Prerequisite: BIO 112 and 214, plus 4 additional hours of BIO.

Study of the similarities of anatomy and early development of vertebrates, complemented by dissection of representative adults. Three hours lecture and 3 hours laboratory/week.

315. Genetics (4) S

Prerequisite: 12 hours of biology.

A study of the principles of heredity including both classical and molecular genetics. Three hours lecture and 3 hours laboratory/week.

316. Physiology (4) S

Prerequisite: 12 BIO hours; CHE 111-112. BIO 214 and CHE 314 are recommended.

A study of the principles of physiology, emphasizing metabolic processes common to many organisms. Three hours lecture and 3 hours laboratory/week.

317. Developmental Biology (4) F

Prerequisite: 12 BIO hours. BIO 214 is recommended.

A study of development in organisms, including both classical, descriptive embryology and contemporary investigations of processes involved in morphogenesis and differentiation.

318. Ecology (4) S—Odd Years

Prerequisite: 12 BIO hours.

A study of the interactions between organisms and their biological and physical environments. Three hours lecture and 3 hours laboratory/week.

320. Immunology (4) F

Prerequisite: BIO 211, CHE 314, and 8 additional BIO hours. Structure and function of the immune system and some diseases related to the immune system. Laboratory will focus on a group research project. Three hours lecture and 3 hours laboratory/week.

321. Ecotoxicology (4) W—Even Years

Prerequisites: 12 BIO hours and CHE 111-2.

A comprehensive overview of the ecological consequences of environmental pollution, the effects of toxic substances on the ecosystem as a whole and on individuals with that ecosystem, and the methodology of assessing pollutant damage. Three hours lecture and 3 hours laboratory/week.

322. Human Gross Anatomy (3) Su

Prerequisite: BIO 221 & 222 or 214 or 312.

Cadaver anatomy and dissection for nursing, preprofessional, and physical education students to enhance understanding of anatomy and prepare for work on living humans.

323. Cell Biology (4) S

Prerequisites: 12 BIO hours.

A study of biological systems at the cellular and subcellular levels emphasizing functional aspects such as protein procession and sorting, membrane systems, energy generation in mitochondria and chloroplasts, and cell signaling. Three hours lecture and three hours laboratory/week.

324. Medical Parasitology (4) W—Even Years

Prerequisite: 12 BIO hours

Parasitology is a course that will apply information learned in a variety of Biology courses to the study of parasites and parasitic diseases. Specifically, this course will address the ecology, epidemiology and biochemistry of parasites and diseases caused by parasites. The laboratory will focus on the identification of important parasite groups and methods for host examination and diagnosis. Three hours of lecture and 3 hours laboratory/week.

325. Molecular Biology (4) F

Prerequisites: BIO 211 and 8 additional BIO hours applicable to the major; CHE 314 and 324.

Basic principles of molecular biology focusing on recombinant DNA methods as applied to a variety of biological questions. Students will learn basic research laboratory skills through a wide range of methods from gel electrophoresis to subcloning. Three hours lecture and three hours laboratory/week.

335. Conservation Biology (3) F—Even Years

Prerequisites: BIO 200, MAT 211, and 4 hours applicable to the major.

A study of the principles of conservation and wildlife management. Examines the ecology of species of interest and the habitat manipulation techniques used in the conservation of such organisms.

336. Ecology and Conservation of the Vertebrates (4) F—Even Years

Prerequisite: BIO 214 and 8 additional BIO hours

Study of the natural history and ecology of North American vertebrates, including fish, amphibians, reptiles, birds and mammals. Conservation concerns of particular vertebrates will be examined. Three hours lecture and 3 hours laboratory/week.

337. Taxonomy of the Vascular Plants (4) S—Odd Years

Prerequisite: BIO 215 and 8 additional BIO hours

A study of the vascular plants of the eastern United States, focusing on the common herbaceous plants, vines, shrubs, and trees and their identification in the field. Field trips required. Two hours lecture and 6 hours laboratory/week.

355. Environmental Ethics (3) F—Odd Years

Prerequisite: BIO 112, 200, and 4 additional hours applicable toward a conservation major

This course will examine the relationship between humans and their natural environment; addressing the problems confronting the necessity to balance conservation with human need and the use of natural resources. Topics to be explored include an ethical consideration for the urban environment and of wilderness preservation, the interplay of local and global environmental ethics, and the ethics of sustainability. An overarching view of the scope of historical and modern bioethical issues will also enter into our discussions.

415. Collaborative Research Experience (2) S

Prerequisite: Junior Standing, 20 hours toward BIO major, minimum BIO GPA 2.0.

An introduction to the skills necessary to conduct scientific research in a group setting. Each group will develop a research question and submit research addressing that question. Students will attend all presentations in BIO 437. Course is not available by Audit.

425. Introduction to Research (1) F, S

Prerequisites: Junior standing, 20 hours toward BIO major, minimum BIO GPA of 2.0.

An introduction to the skills necessary to conduct scientific research, prepare a manuscript and make a presentation at a scientific meeting. Each student will develop and submit a research proposal for approval and attend all presentations in BIO 437. Not available by audit.

426. Research Experience I (1) F, S, Su, W

Prerequisite: BIO 425 or 415, minimum BIO GPA of 2.0. Students may only take this course during Winter or Summer if the student is also registered for Experience II (428) for a Fall or Spring Semester.

Individual research in accordance with the proposal developed and approved in 425. Students will attend all presentations in BIO 437. Course is not available by Audit.

428. Research Experience II (1) F, S

Prerequisite: BIO 425 and minimum BIO GPA of 2.0; Corequisite: BIO 437.

Continuation of individual research initiated during BIO 426. Course is graded Pass/Fail and is not available for Audit.

437. Research Presentation (1) F, S

Prerequisite: BIO 426, minimum BIO GPA of 2.0.

Presentation of results of 426 as a publishable manuscript and oral presentation. Not available by audit.

498. Biology Seminar (1) F, S

Prerequisite: 28 hours toward BIO major, a minimum BIO GPA of 2.0, senior standing.

Written and oral presentation of a library research paper and weekly discussions of current biological research. May be modified at the discretion of the department. Not available by audit.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies that do not appear in the regular departmental offerings.

395-6. Special Studies (1-4)

Upper-level group studies that do not appear in the regular departmental offerings.

397. Special Studies in Cell and Molecular Biology (3)

Upper-level group studies that do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

DEPARTMENT OF CHEMISTRY

COLLEGE OF ARTS AND SCIENCES

Faculty

Randy F. Johnston (1994). University Professor of Chemistry and Department Chair. B.S., University of Missouri, St. Louis; Ph.D., Texas Tech University.

Jimmy H. Davis (1978). Hammons Professor of Chemistry and Vice President for Institutional Research. B.S., Union University; Ph.D., University of Illinois; Additional study, University of Florida, Oak Ridge Associated Universities, Argonne National Laboratory, Harvard University, and Oxford University (England).

Michael Hayes (2009). Professor of Chemistry. B.S., Union University; Ph.D., University of Texas at Austin.

Sally A. Henrie (1998). Professor of Chemistry. B.S., University of Arizona; Ph.D., South Dakota State University.

Marlyn Newhouse (1992). Associate Professor of Chemistry. M.A. and B.S.Ed., Northern Arizona University; D.A., Middle Tennessee State University.

Brenda Peirson (2010). Professor of Chemistry. B.S., Bradley University; Ph.D., Miami University.

Michael R. Salazar (2001). Professor of Chemistry. B.S., New Mexico State University; Ph.D., University of Utah; Additional study, Los Alamos Laboratory.

Joshua R. Williams (2011). Associate Professor of Chemistry. B.A., Augustana College; Ph.D., University of Oregon.

David A. Wing (2008). Professor of Chemistry. B.S., Wheaton College; Ph.D., Northwestern University.

Curriculum

The chemistry program at Union University seeks to serve effectively all students, recognizing different needs, interests, and career goals. The faculty seeks to help students understand the physical world, the methods by which it may be studied, and its relationship to other aspects of the human experience. It is the intention of the faculty to create an environment in which students are challenged to acquire skills in problem solving utilizing the modern methods of science and to study in-depth the chemical processes which characterize life systems while developing an inquiring attitude toward scientific exploration. The curriculum is intended to provide liberal arts students with a working knowledge of science and to meet the needs of students who wish to:

- continue study in chemistry at the graduate level,
- teach science at the elementary or secondary school level,
- prepare to enter a health science profession such as medicine, dentistry, medical technology, pharmacy, nursing, physical therapy, or other allied health fields, or
- become a professional/industrial chemist.

Students pursuing a major in Chemistry must complete Math 211, 212; Physics 231, 232, and meet the following requirements in Chemistry:

I. Major in Chemistry—46 hours

- A. CHE 111, 112, 211, 221, 314, 315, 317, 318, 319, 324, 326, 327, 335, 498
- B. Research, 3 hours from: 424 or 425
- C. One of: 405, 430, 435

II. Major in Biochemistry—70 hours

- A. CHE 111, 112, 211, and 221—13 hours
- B. CHE 314, 315, 324, 326—10 hours
- C. CHE 317, 318, 319, 329, 327, 335—19 hours
- D. CHE 424/425—3 hours
- E. CHE 498—1 hour
- F. BIO 112, 211, 315, 325—16 hours
- G. BIO— one 200-level Elective—4 hours
- H. BIO— one 300-level Elective—4 hours
- I. No minor is required.

III. Major in Medical Technology Leading to the BS in Medical Technology

- A. Chemistry 111, 112, 211-21, 314-15, 319, 324, 326
- B. Biology 112, 211, 221, 222, 315, 316, 320
- C. Physics 213-214 or 231-232
- D. Computer Science (3 hours) and MAT 111 or preferably MAT 211
- E. A minimum of 33 hours of Medical Technology at an affiliated hospital as the fourth year of study.

IV. Major in Chemical Physics

Designed for those seeking a broad background in the physical sciences to pursue graduate work in chemistry or physics or secondary teacher licensure, the major permits students with previous experiences to shorten the time spent in formal education without reducing the quality of the degree obtained.

Students with an advanced preparation in secondary school or as college sophomores may be selected for this program. Entrance as a freshman requires an ACT Composite of 26 or higher with a Math ACT of 25 or higher, 4 units of high school math with a B average or better, high school chemistry and physics with a B average or better, and a successful personal interview with a faculty admissions committee. Entrance as a sophomore requires readiness to enter MAT 211, CHE 111 and PHY 231 with a CUM and science GPA of 2.5 or higher, and a successful interview with admissions committee.

- A. CHE 111, 112, 211, 221, 314, 315, 324, 326, 317, 318, 327, 319, 335—38 hours
- B. PHY 231, 232, 311, 313, 314; 325 or 420; 430—26 hours
- C. PHY or CHE 424; PHY or CHE 498; Upper level PHY or CHE—6 hours
- D. MAT 211, 212, 213, 314—15 hours
- E. ENG 111, 112; 201 or 202—9 hours
- F. ART 210; CHR 111, 112; BIO 112; CLU 195; HIS 101; and 9 hours of social science—27 hours

G. No minor is required.

V. Teacher Licensure with Endorsement in Chemistry 7-12

- A. Complete the requirements for the Chemistry major as shown above including CHE 405.
- B. Additional Requirements: CSC 105, PHY 112 (in B.S. core), PHY 231 & 232, MAT 212 (in B.S. Core), and membership in SMACS.
- C. Professional Education: EDU 150, 250, 326, 418, 433; PSY 213, 318; SE 225
- D. Completion of applicable portions of the Praxis II.
- E. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

VI. Minor in Chemistry

- A. CHE 111, 112, 211, 221, 314, 315, 324 326—23 hours
- B. Elective, one of: 317, 319, 335, 405, 430—3 or 4 hours

Major in Chemistry with Discipline-Specific Honors

In addition to the requirements listed in I.A., students must complete

- A. Honors contracts in two of the following courses: CHE 211, 315, 318, 319, or 335
- B. An honors contract in one of the following courses: CHE 405, 430, or 435

Major in Biochemistry with Discipline-Specific Honors

In addition to the requirements listed in III.A., students must complete

- A. Honors contracts in two of the following courses: CHE 211, 315, 318, 319, or 335.
- B. An honors contract in CHE 329.

Admission Requirements for Majors with Discipline-Specific Honors

- Completion of at least 15 hours at Union University or in transfer

Progression in Majors with Discipline-Specific Honors

To remain in the program a student must earn at least a B in each honors contract course in the major. A student who earns a B in two honors contract courses in the major may continue in the program only with permission of the department committee. A committee of three or four faculty (including the course instructor or research mentor) will be created for each course. The committee will approve the honors contract with the student and will evaluate the honors project on a satisfactory/unsatisfactory basis. The course instructor will determine the overall course grade.

Honors Contract Courses

1. Honors Contract Course Projects

In addition to the normal coursework, the discipline-specific honors student must complete one project in each honors contract course as noted here:

- a. In the first honors contract course, prepare a review article on a topic studied within the course.

- b. In the second honors contract course, prepare and deliver two 30-minute lectures on topics studied within the course.
- c. In the third honors contract course, prepare a societal impact study of an important chemically related topic.

2. Research Course Project

The student must complete the first honors lecture course before starting the research course. The research course includes preparation of a formal written proposal for the work to be completed (written before work starts) and a defense of the proposal before the department committee.

3. Seminar Course Project

The student must prepare a research proposal (similar to the one for the research course) on a different topic and present an oral presentation of the proposal to the class and committee.

Assessment of Majors

The Department utilizes standardized tests of the American Chemical Society as final examinations for the second semester of all one-year courses. These courses include General (CHE 111-2), Organic (CHE 314-5 and CHE 435), and Physical (CHE 317-8). Standardized examinations are also used as the final examination in Fundamentals (CHE 105), Analytical (CHE 211), and Biochemistry (CHE 319-29), Inorganic (CHE 335 and CHE 430). Examination results are used to monitor progress of students as a group through their course of study at Union. Strengths and weaknesses of courses are also assessed by comparing class averages with national norms. Students are required to complete a research project (CHE 424) and give a seminar to faculty and colleagues (CHE 498).

Student Organizations

Student Members of the American Chemical Society is organized to better acquaint students interested in chemical science with professional opportunities in the field and the mechanics of preparing and presenting technical material. The organization instills professional pride in the chemical sciences, while stimulating awareness of the responsibilities and challenges of the modern chemist. Membership is open to any student pursuing an undergraduate degree in chemistry or physics.

Sigma Zeta is a national honorary science society for those who have completed 15 hours in natural science and mathematics and with a minimum 3.0 GPA in these courses. Membership advantages include recognition for academic achievements by the Sigma Zeta Honor Award, participation in nationally recognized research projects, and a means of cooperation in similar areas of interest by students of different colleges.

Student Awards

The **Chemistry Research Award** is given by the faculty of the Department of Chemistry and Physics to the student who presents the best research paper of the year. The research must have been an original piece of work and must have been presented at a state, regional, or national professional chemistry meeting prior to graduation.

The **C.R.C. Freshman Chemistry Award**, given to encourage and sustain interest in the sciences, is awarded

in recognition of outstanding scholastic achievement in Freshman Chemistry.

Whiteaker Freshman Chemistry Award. The Chemistry Department selects a freshman chemistry major or minor to receive this award based on outstanding scholastic achievement, financial need, Christian service, and school spirit.

Course Offerings in Chemistry (CHE)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

105. Fundamentals of Chemistry I (4) F, S, Su

An introductory general chemistry course that includes study of both physical and chemical properties, structure and reaction of matter. Not applicable to pre-health professions except Nursing. Science credit will not be given to a student who has completed a course in either CHE or PHY. Three lectures and one 2-hour laboratory period/week.

106. Fundamentals of Chemistry II (4) As Needed

Prerequisite: CHE 105 or 111.

A beginning course in organic and biochemistry with emphasis on topics specifically related to the health sciences: carbohydrates, fats, proteins, vitamins, and hormones. Normal and abnormal metabolic processes and the role of ATP. Not open to science majors other than physical science and nursing. Three 1-hour lectures and one 3-hour laboratory period/week.

111. General Chemistry (4) F, W

Prerequisite: high school chemistry or PHY 111. A strong mathematics background (especially in algebra) is recommended.

A comprehensive study of the fundamental experiments, principles, and theories of chemistry with emphasis on the quantitative relationships. The structure and properties of matter with their energy relationships are stressed. Three lectures and one 3-hour laboratory/week.

112. Chemical Equilibrium (4) W, S

Prerequisite: CHE 111.

Detailed study of the principles of equilibrium in chemical systems. The laboratory is qualitative analysis. Three lectures and one 3-hour laboratory period/week.

113. Survey of Chemical Instrumentation (2) W—Even Years, S—Odd Years

Prerequisite: CHE 111

An introduction to chemical instrumentation used in industry, including titrations, spectroscopy, and chromatography. One lecture and one 3-hour lab/week.

211. Analytical Chemistry (3) S

Prerequisite: CHE 112; Corequisite: CHE 221.

A continuation of the study of fundamental principles including topics in statistics, gravimetric analysis, titrimetric analysis (neutralization, precipitation, complex formation, oxidation-reduction), and spectrophotometric and electrochemistry analysis.

221. Analytical Chemistry Laboratory (2) S

Prerequisite: CHE 112; Corequisite: CHE 211.

The application of gravimetric, titrimetric, spectrophotometric quantitative analysis, and chromatographic separations to the study of chemistry. Two 3-hour laboratory periods/week.

300. Chemical Safety and Health (1) S—Even Years

Safety policies and procedures for the use of hazardous chemicals. Topics include awareness, routes of chemicals into the body, safety apparatus and use; identification, types of chemical hazards; proper ways to handle, store, and dispose of hazardous chemicals.

301. Perspectives in Science (4) F, W

Reciprocal credit: PHY 301. See PHY 301 for course description.

314. Organic Chemistry I (3) F

Prerequisite: CHE 112; Corequisite: CHE 324.

An introduction to the compounds of carbon, with emphasis on the relationship between structure and properties. Applications of bonding theory, reaction mechanism, and stereochemistry are included. Some functional groups containing halogen and oxygen will be examined in detail.

315. Organic Chemistry II (3) S

Prerequisite: CHE 314; Corequisite: CHE 326.

An in-depth examination of the common oxygen and nitrogen functional groups with respect to structure and chemistry. Continued application of basic theory is included. Heterocyclic and biomolecules will also be examined. Three lectures/week.

317. Physical Chemistry I (3) F

Prerequisites: CHE 211, MAT 212, and PHY 232.

Application of physical techniques to chemical systems with emphasis on thermodynamics. The laws of thermodynamics will be derived and applied to phase and chemical equilibria, electrochemical cells, and surface phenomena.

318. Physical Chemistry II (3) S

Prerequisite: CHE 317.

A continuation of CHE 317 with emphasis on dynamics and quantum chemistry: kinetics, mechanisms, and photochemistry; atomic and molecular electronic structure and application to spectroscopy.

319. Biochemistry (4) F

Prerequisite: CHE 315, CHE 326, and BIO 112.

Introduction to the organic chemistry of living systems. Topics include the structure and function of proteins, enzymic control of chemical reactions, catabolism, anabolism, bioenergetics, biosynthesis, and molecular biology. Three lectures and one 3-hour lab/week.

324. Organic Chemistry Laboratory (2) F

Corequisite: CHE 314.

Introduction to the basic techniques for the physical characterization and isolation of organic compounds. Use of spectrometric methods as applied to the determination of structure is included, as are some synthetic methods. Two 3-hour labs/week.

326. Organic/Inorganic Synthesis Laboratory (2) S

Prerequisite: CHE 314 and CHE 324;

Corequisite: CHE 315.

Application of laboratory techniques in synthesis and characterization of organic and inorganic compounds. Two 3-hour labs/week.

327. Physical Chemistry Laboratory (2) S

Corequisite: CHE 318.

The application of physical methods in the study of chemical compounds. Two 3-hour labs/week.

329. Biochemistry II (4) S

Prerequisite: CHE 319.

A continuation of 319 with emphasis on bioenergetics and metabolism. Topics include the function and molecular control of catabolic pathways for proteins, lipids, and carbohydrates as well as anabolic pathways for biological synthesis of these molecules. Three lectures and one 3-hour lab/week.

335. Intermediate Inorganic Chemistry (3) S

Pre- or Corequisite: CHE 315.

Introduction to inorganic compounds with an emphasis on coordination, bioinorganic, nuclear, and organometallic chemistry. The relationships between structure, physical properties, and reactivity will be examined in detail.

405. Environmental Chemistry (4) W—Odd Years

Prerequisite: CHE 211 & 315.

Study of rapid changes in earth's atmosphere, water, and soil caused by the activities of humankind with attention to the ozone layer, air quality, and water cycles. The vectors, fate, and treatment/removal strategies for organic and heavy metal pollutants will be discussed. Three lectures and one 3-hour lab/week.

424-5. Introduction to Research (1-3) 424-F; 425-S

Prerequisite: 20 hours of chemistry and junior/senior standing.

The student's knowledge is integrated by application of a simple piece of original work. Each course will be three hours per week per credit hour.

430. Advanced Inorganic Chemistry (4) F—Even Years

Prerequisite: CHE 211. Pre-or Corequisite: CHE 318 & 335.

A theoretical treatment of fundamental inorganic topics such as chemical bonding, periodic relationships, stereochemistry of inorganic complexes, acids and bases, and physical properties of inorganic compounds. Three lectures and one 3-hour lab/week.

435. Advanced Organic Chemistry (4) F—Odd Years

Prerequisite: CHE 315.

Extensive treatment of topics including reaction mechanisms, stereochemistry, heterocyclic chemistry, and molecular rearrangements. Three lectures and one 3-hour lab/week.

498. Seminar (1-3) S

Prerequisite: 20 hours of chemistry and junior/senior standing.

Skills in scientific and technical presentations, written and oral, will be polished. To be used at the discretion of the department for majors and minors only.

Medical Technology Hospital-in-Residence Curriculum**411. Clinical Chemistry (6)**

Chemical analysis of various body fluids and the study of their relationship to disease states.

412. Instrumentation (1)

The principles, use, and care of instruments found in up-to-date laboratories.

421. Hematology and Coagulation (7)

Application of theory to technical performance in hematological procedures which aid in classification of anemias, leukemias, and other blood cell abnormalities.

422. Advanced Microbiology (7)

A lecture and lab course covering the role of microorganisms as they cause disease in man. Methods employed in the identification of bacteria, fungi, viruses, and rickettsiae.

423. Serology (2)

A lecture and lab course in immunology, demonstrating reactions between antigens and antibodies are considered. Use of these reactions as a serodiagnostic tool is presented.

424. Immunohematology (5)

Includes selection, testing and bleeding of donors, identification of blood group antigens and antibodies, procedures employed in providing compatible blood for patients, and principles and procedures used in blood component therapy.

425. Parasitology (2)

A study of parasites of medical significance, both indigenous and foreign, with particular emphasis on life cycles and identification.

431. Urinalysis (2)

Gross, physical, microscopic, and chemical analysis of urine.

432. Clinical Correlations (1)

Basic understanding of altered physiology in disease; correlation between laboratory test results and anatomical/physiological changes.

440. Principles of Management and Ethics (0)

Preparation for the medical graduate for positions of leadership as supervisors and instructors.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)**295-6-7. Special Studies (1-4)**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual study under the guidance of a faculty member(s).

489-9. Seminar (1-3)

To be used at the discretion of the department.

DEPARTMENT OF COMMUNICATION ARTS

COLLEGE OF ARTS AND SCIENCES

Faculty

Web Drake (2008). Associate Professor of Communication Arts, Department Chair, and Director of Debate. B.A., Mississippi College; M.A., University of North Texas; Ph.D., Louisiana State University; Additional study, Southwestern Baptist Theological Seminary.

Steve Beverly (1993). Associate Professor of Communication Arts. B.A., University of Georgia; M.A., Auburn University.

Ashley Blair (1999). Assistant Professor of Communications. B.A., Union University; M.A., University of Memphis.

Chris Blair (1997). Professor of Communication Arts and Coordinator of DMS. B.A., Union University; M.A. and Ph.D., University of Memphis.

David Burke (1986). Professor of Theatre and Director of the Theatre. B.S.A., Houston Baptist College; M.F.A., University of Houston.

Jim Veneman (1999). Assistant Professor of Communication Arts and Director of Visual Communications. B.A., Ouachita Baptist University; M.A., Southwestern Baptist Theological Seminary.

Raymond H. Eaton (2009) Broadcasting Technician. M.S., University of Tennessee, Knoxville; M.M., Freed-Hardeman University.

Mission Statement

Students majoring in communication arts will, in their area of concentration, understand the theories, principles, and history of communicating arts; demonstrate competency in written, oral, and visual communication skills; and demonstrate knowledge of the impact on society.

Curriculum

The Department offers a wide range of courses designed to meet the complex and significant theoretical and communication skill requirements in its respective professional fields.

The Department is affiliated with several organizations and programs that enhance student learning: the Los Angeles Film Studies Center, American Studies Program, Washington Journalism Center, the International Public Debate Association, the Public Relations Student Society of America, the Radio-Television News Directors Association and the International Digital Media and Arts Association. Faculty encourage participation in regional and national conferences.

Theatre students audition at the Tennessee Theatre Arts Conference and the Southeastern Theatre Conference.

I. Major in Advertising—45 hours

- A. Professional Core: COM 120, 121, 355, 430—13 hours
- B. Major Requirements: COM 210 (2 hrs), 216, 314, 329, 414; MKT 328, 330—20 hours
- C. Professional Electives—Select 12 hours from: COM 220, 323, 360, 482; ART 113, 221, 345

II. Major in Broadcast Journalism—45 hours

- A. Major Requirements: COM 120, 121, 220, 230, 236, 245, 328, 351, 352, 406, 430—36 hours
- B. Professional Electives—Select 9 hours from: COM 320, 323, 326, 327, 336, 343, 347, 407, 487

III. Digital Media Studies Major

- A. Core requirements for all emphases—39 hours
 1. ART 120, 221, 345, 348; DMS 190
 2. COM 220, 320, 327, 365
 3. CSC 115 (or 105 & 106), 200, 360, 351
 4. DMS 490
- B. Communication Arts Emphasis requirements—25 hours
 1. COM 121, 323, 329, 430; MKT 328
 2. Select 9 hours: COM 120, 230, 236, 325, 328, 355, 360, 410, 423, 483; MKT 424.
- C. Art Emphasis (32 hours) and Computer Science Emphasis (25 hours)
See respective departments for details.

IV. Major in Journalism—45 hours

- A. Major Requirements: COM 120, 121, 210 (3 hrs), 220, 236, 322, 351, 352, 355, 415, 430, 451—39 hours
- B. Professional Electives—Select 6 hours from: COM 320, 323, 326, 327, 336, 360, 343, 347, 407, 487.

V. Major in Media Communications—45 hours

- A. Major Requirements: COM 120, 220, 230, 245, 360, 327, 329, 410, 430—27 hours
- B. Professional Electives—18 hours
 1. Select 6 hours from: COM 320, 328, 355
 2. Select 3 hours from: COM 301, 338
 3. Select 9 hours from: COM 399 (repeatable 3 times), 485, 486

VI. Major in Public Relations—44 hours

- A. Professional Core: COM 120, 121, 220, 351, 430—17 hours
- B. Major Requirements: COM 210 (3 hrs), 322, 323, 343, 355, 360, 415, 423—24 hours
- C. Professional Electives—Select 3 hours from: COM 236, 320, 329, 488

VII. Major in Speech—39 hours

- A. COM 112, 211, 218, and 235—12 hours
- B. COM 311, 320, 325, 416, and 417—15 hours
- C. PHL 345, BLAW 421, and 6 hours COM Electives—12 hours

VIII. Major in Theatre—39 hours

- A. COM 123, 211, 240; and 112 or 235—12 hours
- B. COM 311, 317, 330, 341, 342, 345, 350, 412—24 hours
- C. Select either COM 301 or 312—3 hours

IX. Major in Theatre & Speech with Teacher Licensure (Grades K-12)

- A. Major requirements—39 hours
1. COM 112, 123, 211, 218, 235, 240—18 hours
 2. COM 311, 312, 330, 341, 342, 412, 417—21 hours
- B. Required Minor in Professional Education—33 hours
1. EDU 150, 250, 326, 426, 435; PSY 213, 318; SE 225
 2. Completion of the applicable portions of the Praxis II series.
 3. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IX. Minor in Advertising—22 hours

- A. COM 121, 216, 314, 329, 414—16 hours
- B. MKT 328, 330—6 hours

X. Minor in Broadcast Journalism—23 hours

- A. Requirements: COM 120, 121, 220, 236, 352—17 hours
- B. Select 6 hours (to include 3 upper level) from: COM 230, 245, 347, 406, 415, 451

XI. Minor in Film Studies—18 or 22 hours

- A. Required for both Tracks: COM 328—3 hours
- B. Track One—15 hours
1. Required: COM 338, CHR 348—6 hours
 2. Select 3: COM 301, 438; ENG 311; PHL 448; PSC 300
- C. Track Two—19 hours
1. Select 3 hours: CHR 348; COM 301, 338, 438; ENG 311, PHL 448; PSC 300.
 2. Admission to Los Angeles Film Studies Center: Check with the Communication Arts Department, the Institute for International and Intercultural Studies for details or lafsc.bestsemester.com.

XII. Minor in Journalism—23 hours

- A. COM 120, 121, 210 (3 hours) 236, 351, 415
- B. Select one from: COM 230, 322, 407, 451

XIII. Minor in Media Communications—21 hours

- A. Select 15 hours from: COM 120, 220, 230, 245, 327, 360, 410
- B. Select 3 hours from: COM 320, 328, 355
- C. COM 399

XIV. Minor in Photojournalism—19 hours

- A. Required courses: COM 121*, 236*, 326, 336, 346, 426

Students whose major requires COM 121, 236 may substitute with courses from: ART 232; COM 360, 327, 481.

XV. Minor in Public Relations—22 hours

- A. COM 120, 121
- B. COM 323, 343, 355, 360, 423

XVI. Minor in Speech—21 hours

- A. COM 112, 211, 218, 235, 417—15 hours
- B. Select 2 from: COM 311, 320, 325, 416; BLAW 421—6 hours

XVII. Minor in Theatre—21 hours

- A. COM 123, 211, 240, 412; COM 112 or 235—15 hours
- B. Select 2 from: COM 301, 311, 317, 330, 341, 342, 350—6 hours

Student Organizations

Alpha Psi Omega is the national honorary dramatic fraternity. Beta Mu chapter sponsors Campus Day activities, coffee house presentations, and a variety of other events as time and personnel allow. Membership is based on attainment in theatre.

The Union University chapter of **The American Advertising Federation** is open to all students interested in advertising. Members have an opportunity to network with professionals, participation in the National Student Advertising Competition and compete for paid, national-level internships. Alpha Delta Sigma, the national honor society associated with Union as well as the Federation, recognizes and encourages scholastic achievement in advertising studies.

The **Digital Media Studies Society**, open to all major emphases of DMS, exists to raise the awareness of the new fields, to showcase student work, and to make connections with the professional world.

The **Public Relations Student Society of America (PRSSA)** is open to all students interested in the public relations profession and society activities, determined and planned by students under the direction of a faculty advisor, usually relate to the practice of public relations, planning a PR career or acquiring the skills needed in public relations.

The **Union Broadcasting System (UBS)** exists for students interested in the broadcasting. UBS is a student chapter of the Radio-Television News Directors Association. UBS produces news programming and documentaries for public TV, the live daily news program Jackson 24/7, Union's basketball games and the NAIA women's national tournament. UBS provides opportunities for students to strengthen contacts with professionals in the industry.

The **Union Debate Team** is open to all students and competes four or five times a semester in the International Public Debate Association. Membership is based on an interview with the team's director.

Student Awards

The **Elizabeth B. Loyd "Tony" Awards**, established by Mrs. Loyd, Associate Professor of Speech and Theatre at Union from 1939-1967, are presented each year to the best actor/actress and supporting actor/actress as chosen by the Union Theatre Director. The Director's Award is presented to the best theatre technician.

The **Betty Hillix Foellinger Memorial Student Publications Award** is given each year to the editor of the *Cardinal and Cream*.

The **Joseph H. Eaton Award** is presented annually to the student selected as best actor.

Departmental awards are given annually to the outstanding senior and the outstanding freshman. Achievement in each of the departmental majors is also recognized.

Course Offerings in Communication Arts (COM)

() Hours Credit; F—Fall, W—Winter; S—Spring; Su—Summer

112. Public Communication (3) F, W, S, Su

An oral communication skills course that emphasizes organizing thoughts, adapting messages to specific audiences, using language correctly, delivering messages verbally and nonverbally with confidence, and active listening and evaluation skills.

120. Mass Media (3) F, S

Functions, responsibilities, and influence of various mass communication media. Students review the economic, technical, historical, regulatory, and sociological aspects of radio, television, film, newspapers, magazines, books, advertising, and public relations and are offered opportunities for telephone conferences with significant media figures.

121. Writing Across Media Platforms (4) F, S

Introduction to news writing skills for the beginning media student to understand the differences and similarities of writing for print and broadcast media.

123. Introduction to Theatre and Film (3) F—Even Years

An introductory study of the techniques of theatre and film, designed as a foundational study to make play and movie going more meaningful and better appreciated.

205. Sport Media (3) S

Reciprocal credit: PEWS 205. See PEWS 205 for course description.

211. Voice and Diction (3) F—Even Years

Study and development of the voice with exercises in articulation and pronunciation. Seeks to evaluate vocal weaknesses and provide students with the tools to improve their voices. A special unit emphasizes improving regionalisms and southern dialect.

218. Argumentation and Debate (3) F

An oral communication class that seeks to assist the student in developing a critical mind and verbal acumen through researching, analyzing, and developing sound arguments for and rebuttals to various issues; and viewing and participating in various forms of educational debate. Includes parliamentary procedure.

220. Digital Storytelling (3) F, S

An introductory course to visual storytelling using a variety of digital media. Students will learn to create and deliver compelling and emotionally engaging narratives for a variety of purposes, combining video, still images, audio and interactivity.

230. Television Production (3) F

Overview of the elements of production: cameras, sound, lighting, and videotape recording using a switcher. Students work with these in producing television programs.

235. Interpersonal Communication (3) F, W, S, Su

Identify communication problems in interpersonal relationships including ethical communication, self-disclosure, perception, interviewing, conflict management, verbal and nonverbal communication. The student will exhibit competent language skills through oral reports, working in dyads and small groups, and class simulations.

236. Digital Photography (3) F, S

The basics of seeing a story-telling photograph and learning to apply the basics of photography to help communicate a message. Emphasis will be placed on setting high standards of visual integrity and communication ethics and on developing an understanding of the role of photojournalism in shaping and reflecting contemporary society. The history of photojournalism, current trends, and the varied challenges found in this field will be explored.

240. Acting Theory and Technique (3) S—Odd Years

Prerequisite: COM 123.

Various acting theories and practices with emphasis on exercises in physical training, vocal reproduction, character projection, and the aesthetics of acting.

245. Broadcast Performance (3) S

Development of professional vocal, visual, personality, and performance skills by use of simulated newscasts, interviews, and script narrations.

299. Practicum (1) F, W, S, Su

Practical hands-on experience in journalism, public relations, advertising, speech, or theatre. Students work with a faculty member on specific projects that will enhance their knowledge and expertise in their concentration. May be taken three times.

301. Symbolism in Theatre and Film (3) S—Even Years

This course explores the subtle uses of symbolism in presenting subtextual messages. Students view and analyze a variety of films and taped theatre productions.

305. Drama (3) F

Prerequisite: ENG 201 & 202. Reciprocal credit: ENG 305. See ENG 305 for description.

311. Oral Interpretation of Literature (3) S—Odd Years

Analysis, adoption, and staging of various literary genres for solo and ensemble performance including techniques for Reader's Theatre staging and performances before an audience.

312. Creative Writing (3) F, S

Prerequisites: ENG 201&202. Reciprocal credit: ENG 312. See ENG 312 for description.

314. Advertising Copywriting (3)

Prerequisite: COM 121.

Explores the strategies and techniques of writing advertising copy for print, outdoor, radio and television media.

317. Technical Theatre (3) Fall-Even Years

Design, installation and use of stage lighting, sound, and other technical elements of theatre productions

318. Advanced Composition (3) S; W—As Needed

Prerequisite: ENG 201&202. Reciprocal credit: ENG 318. See ENG 318 for description.

320. Organizational Communication (3) S

Organizational structure, communication networks, and employer-employee relationships. Emphasis: conducting interviews and performance appraisals, decision-making strategies, ethics, team-building, and the communication audit.

322. Copy Editing and Publication Layout (3) F

Principles of editing copy for newspapers and magazines, writing headlines, and using type, photography, and graphics in layout and design for print news media.

323. Principles of Public Relations (3) F

Introduction to principles, practices, context, and structure of public relations examining both the process and its implementation in business, industry, and institutions.

325. Communication Training & Development (3) S

An interactive experience emphasizing the process by which organizations help managers and employees improve performance and increase job satisfaction.

326. Social Documentary S

Prerequisite: COM 336

Social documentary photojournalism is an attempt to bear witness, to bring attention, and to advocate. At its best, it tries also to communicate something a concerned and informed photographer felt when he/she released the camera's shutter. Social documentary photojournalism communicates through a complex distillation of visual truth and interpretation. This course will take a close look at work that has made an impact on its audiences and at the photographers who produced it. Technical proficiency and visual awareness will continue to broaden.

327. Interactive Media (3) F

Prerequisite: COM 220.

Project-based approach toward developing skills in the creation of interactive media using industry standard software, interactive design theories, needs assessment, and project management procedures.

328. Media Effects and Criticism (3) F

Prerequisites: ART 210 and either ENG 201 or ENG 202.

An introduction to the scholarly aesthetic analysis and study of media teaching students the critical skills involved in the understanding and interpretation of media messages. Includes a foundational study of the forms, functions, and history of media arts to develop appreciation and skill in analysis.

329. Principles of Advertising (3) F

An overview of the field of advertising, including its history in the United States, advertising as a business, current career opportunities in the field, and past and current trends in both traditional and new media.

330. Theatre Production (3) F—Odd Years

Prerequisite: COM 123.

Fundamentals of successful stage production and technique: directing, acting, and rehearsing; organization; play choice and casting; and scenery, costuming, makeup, and lighting.

336. Advanced Digital Photography (3) F, W, S

Prerequisite: COM 236.

Course will broaden proficiency and visual awareness in the articulation of ideas through learning how to "see" light, capturing the moment, documentary photography, portraiture, fashion, food, architecture, advertising, and sports. It will also stress exploring a fresh view of the commonplace, maintaining high standards of visual communication and understanding the relationship between words, photographs, and design.

338. Development of Cinema (3) S—Odd Years

Historical survey of motion pictures with emphasis on major movements, genres, and themes in narrative film from the early silent era, early talking pictures, the studio system, and post-classical cinema.

341. Theatre History I (3) F—Odd Years and 342. Theatre History II (3) S—Even Years

Prerequisite: COM 123.

A survey of the historical development of the Theatre from its beginnings through the Elizabethans with emphasis on selected plays. The sequel considers from the French Neoclassical period to present day.

343. Public Relations Writing (3) F

Prerequisite: COM 121; Corequisite: COM 323.

Practical application of public relations writing process for various media with focus on targeting publics using research, audience analysis, message design, and selection of communication channels.

345. Advanced Acting/Improvisation (3) F—Odd Years

Prerequisite: COM 240

Advanced acting characterization, historical styles, and improvisational techniques.

346. Photo Editing (3) S

Prerequisite: COM 336

An exploration of the technical aesthetic qualities of photographs and how these factors affect editorial decisions concerning their use in publications. Students will acquire skills in visual editing and participate in discussions of ethical and legal issues. Understanding subject emphasis, application of framing techniques, characteristics of good photographs, universal themes, photograph evaluation, recognizing impact value, and ethics will be stressed.

347. Broadcast News Producing and Management (3) F
Management and producing theories and techniques for the newsroom learned from studying day-to-day decision making, personnel management, regulation, story decision, and ethical dilemmas faced by news directors and senior producers.

350. Christian Drama (3) S—Odd Years

Prerequisite: COM 123.

Exploration of the meaning of and possible uses for theatre from a Christian perspective.

351. Reporting for Print and Online Media (4) S

Prerequisite: COM 121 and 220.

This course is designed to improve and expand the news gathering and writing skills of the media student, further developing understanding of print news writing, news judgment and construction of print news stories, as well as social responsibility and an ethical framework for print journalists.

352. Reporting for Broadcast Media (4) F

Prerequisite: COM 121.

This course is designed to improve and expand the news gathering and writing skills of the media student, further developing understanding of broadcast news writing, news judgment and construction of broadcast news stories, as well as social responsibility and an ethical framework for broadcast journalists.

355. Communication Theory & Research (3) S

Major theories, models, and conceptualizations of communication with emphasis on practical applications of research.

360. Publication Design (3) F

Using hands-on experiences to edit, design, layout, and develop camera-ready documents to provide practical knowledge of state-of-the-art publishing technology.

365. Computer-Mediated Communication (3) F

A blending of theoretical and practical views of communication through computers considering the movement to computers for informational and interactional exchanges as well as the creative/production process involved in generating online projects.

399. Media Communications Practicum (3) F, S

Prerequisite: COM 220 and COM 230.

Practical hands-on experience in media communications. Students work with a faculty member on specific projects related to one of the various media productions to enhance their knowledge and expertise in their major. May be a repeated for a maximum of 9 semester hours.

406. Advanced Broadcast Reporting (3) S

Prerequisite: COM 230 and 352.

Combines advanced skills in broadcast production with writing, producing, and reporting for a regular news magazine for cable television.

407. Opinion Writing (3)

Prerequisite: COM 121.

Analysis and writing assignments in the shorter forms of journalism including editorials, columns, reviews, essays, opinion-page articles and profiles.

409. Publications Seminar (1) F, S

Prerequisite: COM 121 and 351.

Application of journalism fundamentals to the *Cardinal & Cream*. Includes: writing, editing, layout, advertising, management and production. May be taken 3 times.

410. Digital Filmmaking (3) F—Even Years

Prerequisite: COM 220.

Focused on the narrative style of storytelling, this course will expand students' understanding of the technical, theoretical and aesthetic issues inherent to time-based media, with specific focus on the role of Christians in media.

412. Fundamentals of Directing (3) F—Even Years

Prerequisite: COM 240.

The art of the director, culminating in production of a one-act play by each student.

414. Advertising Campaigns (3)

Prerequisite: COM 314.

Examines the steps involved in developing a strategic advertising campaign, including the development of a situation analysis, writing goals and objectives, developing a creative strategy and a plan for evaluation. An actual team-based campaign will be developed.

415. Magazine and Feature Writing (3) S

Prerequisite: COM 351 and Senior standing.

Practical experience in mastering the craft of writing the special feature; each student is encouraged to prepare an article for publication.

416. Persuasion (3) S—Odd Years

A study of theories, strategies, and applications relating to persuasion. Students examine rhetorical address, advertising, public relations, interpersonal communication, and political communication. Topics include language, ethics, audience-analysis, imagery, culture, reasoning, credibility, and motivation.

417. Advanced Public Speaking (3) S-Even Years

Prerequisite: COM 112 or 235.

An oral communication skills course that teaches advanced public speaking skills including impromptu and manuscript speeches, speaking while using technology, speech writing, and special occasion speeches. Rhetorical criticism, critical thinking, and verbal fluidity are also covered.

423. Public Relations Campaigns (3) S

Prerequisite: COM 323, 343, and 355.

Examines preparation of comprehensive public relations campaigns with emphasis on critical thinking and problem solving through use of case studies.

426. Photojournalism Professional Portfolio (3) F

Prerequisite: COM 336

This course will explore the many variations of portfolio presentation in today's marketplace and the photographs needed to present a well-rounded collection. Preparation of a portfolio based upon research in the student's areas of interest will be a primary target of the class. Looking closely at potential clients, target audiences, various ways of delivery, and the images needed for a portfolio will be addressed.

430. Communications Law (3) S

Prerequisite: Senior standing

The legal controls and government regulations on mass media. Students will study case precedents involving the freedom and rights of the press and broadcasters.

438. Censorship and Propaganda in Film (3)

S—Even Years

The practice and patterns of censorship in cinema. Issues include local and state censorship boards, legal challenges, organized public pressure, and self-regulatory efforts by the industry. The use of film as propaganda, including Soviet cinema theory, Nazi film propaganda, and American use of film in supporting war efforts will be considered.

451. Advanced Reporting (3) F

Prerequisite: COM 351 or COM 352.

Students are provided with reportorial and analytical skills and techniques required by journalists who research and write nonfiction suitable for publication. This is the capstone experience for Journalism majors.

481. Internship in Photojournalism (3) F, W, S, Su

Prerequisite: Three courses required in the Photojournalism minor.

Selected students work as interns in supervised photojournalism work.

482. Internship in Advertising (3) F, W, S, Su

Prerequisites: COM 314, COM 329, plus 3 additional courses in the Advertising major.

Students work as interns (primarily unpaid) to obtain supervised practical experience in advertising at an agency or another type of business. Requires a minimum of 150 hours during one semester.

483. Internship in Digital Media (3) F, W, S, Su

Prerequisite: ART 221, CSC 360, COM 220 and two required courses from the DM-Communication Arts Emphasis.

Selected students are assigned as interns to obtain supervised practical real-life work experiences. It is not a job per se; it is a learning opportunity having direct relationship to the student's program of study and career interests. Course may be repeated for credit.

484. Internship in Film and Television (6)

Participation in some aspect of the Hollywood film or television industry. Primarily non-paying positions in an office setting such as development companies, agencies, personal management companies, production offices. Requires 20-24 hours/week.

485. Internship in Radio Broadcasting (3) F, W, S, Su

Prerequisite: COM 220; 2 required courses in the major; Permission of Chair.

Selected students are assigned as interns to obtain supervised practical work at a local radio station professionally concerned with broadcasting.

486. Internship in Television Broadcasting (3) F, W, S, Su

Prerequisite: COM 230; 2 required courses in the major. Permission of Chair.

Students are assigned as interns to obtain supervised practical work at a local television station professionally concerned with broadcasting.

487. Internship in Journalism (3) F, W, S, Su

Prerequisite: 2 required courses in the major; Permission of Chair.

Selected students are assigned to obtain supervised practical work at a local newspaper professionally concerned with the print media.

488. Internship in Public Relations (3) F, W, S, Su

Prerequisite: COM 419, 323; 3 required courses in the major; Permission of Chair.

Students are assigned as interns to obtain supervised practical work at a local business in public relations.

Course Offerings in Digital Media Studies (DMS)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

190. Digital Media Studies Freshman Seminar (0) F or S
An introduction to the Digital Media Studies major and to the field of digital media, with emphasis on program expectations. Graded Pass/Fail.

490. Digital Media Studies Senior Seminar (3) F, S
Reciprocal with CSC and COM.

Capstone course for DMS major to bring the emphases together for exposure to the variety of fields of digital media and associated workplace cultures. Includes case studies, guest speakers, field trips, and an interdisciplinary group project culminating in the production of a computer-based portfolio for job search.

Available in multiple departmental prefix:

170-270-370-470. Debate Practicum (1 each) F,S
Co-requisite: Participation in the Union Debate Team. Practical experience in the field of academic debate, public speaking and critical thinking. A maximum of 8 hours may apply toward graduation.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their applications must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

497-8-9. Seminar (1-3)

To be used at the discretion of the department.

DEPARTMENT OF COMPUTER SCIENCE

COLLEGE OF ARTS AND SCIENCES

Faculty

G. Jan Wilms (1992). Professor of Computer Science and Department Chair. B.A., Katholieke Universiteit Leuven, Belgium; M.A. (English), University of Mississippi; M.S. (Computer Science), University of Mississippi; Ph.D. (Computer Science), Mississippi State University.

Stephanie Edge (1996). Associate Professor of Computer Science. A.S., Middle Georgia College; B.S., West Georgia College; M.S., Georgia State University; M.Div., Southern Baptist Theological Seminary; Th.M., New Orleans Baptist Theological Seminary.

James Kirk (2001). Associate Professor of Computer Science. B.M., Union University; M.M. and M.A., Indiana University; Ph.D., University of Louisville.

Haifei Li (2004). Associate Professor of Computer Science. B.E., Xi'an Jiaotong University; M.S. and Ph.D., University of Florida.

Student Awards

A **Departmental Award** is given to the senior who places first in the Major Field Test for Computer Science as partial fulfillment of 498.

First Year Programming Award is awarded to a computer science student by the Department of Computer Science. A student is selected for excellence and expertise in first year programming courses.

Curriculum

The department offers five plans of study: Computer Science major, Information Technology major, Digital Media Studies major, Computer Science minor, and Computer Information Systems minor.

Upon completion of the Computer Science Major, the student will have an understanding of and an appreciation for the interrelation of the main areas of study in Computer Science. The major provides a solid foundation of the concepts while emphasizing practical application; therefore, the graduate will be able to continue study in Computer Science at the graduate level or enter the job market.

Whereas the CS major is more theoretical in nature, Information technology is more practical and includes organizational issues and information systems. It deals more with soft skills and has fewer math prerequisites. IT produces graduates who possess the right combination of knowledge and practical, hands-on expertise to take care of both an organization's information technology infrastructure and the people who use it.

The Digital Media Studies major is an interdisciplinary program joining Art, Communication Arts, and Computer Science. Its purpose is to produce a student aesthetically, theoretically, and technologically trained and capable of excellence in the relatively new area of the design, production, and implementation of digital

communications media. Included are such areas as web page design, digital visual and aural communications strategies and theory, interactive media design, media programming, digital presentation techniques, and technological advances in digital communications.

The Computer Science Minor is intended for students interested primarily in pursuing a career in computer science or a related field immediately upon graduation.

The Computer Information Systems Minor will provide the student with a general understanding of analysis, design, and implementation of applications via third- and fourth-generation programming languages and pre-written packages. This minor is intended for the student expecting to use computers in a job-supportive mode.

CSC 105 is not applicable to any major/minor in the department.

I. Major in Computer Science—42 hours

- A. CSC 115 (or 105 & 106), 160, 170, 125, 205, 255.
- B. CSC 321, 365, 425, 455, 498.
- C. CSC 220 or 235—3 hours.
- D. CSC 335 or 341—3 hours.
- E. CSC 395, 351, or 485—3 hours.
- F. Prerequisites: MAT 205, 211-12, 315.

II. Major in Digital Media Studies—64 hours

- A. Core requirements for all emphases—39 hours
 - 1. ART 120, 221, 345, 348.
 - 2. COM 220, 320, 327, 365.
 - 3. CSC 115 (or 105 & 106), 200, 351, 360.
 - 4. DMS 190 and 490.
 - B. Computer Science Emphasis Requirements—25 hours
 - 1. CSC 125, 235, 255, 335, 425—16 hours.
 - 2. CSC 395 or 485—3 hours.
 - 3. CSC 341 or 455—3 hours.
 - 4. CSC 220 or 365—3 hours.
 - C. Art Emphasis—(32 hours) and Communication Arts Emphasis (25 hours)
- See the respective departments for details.

III. Major in Information Technology—39 hours

- A. Prerequisites: MAT 205 and Technical Writing
- B. CSC 115, 125, 130, 235, 265—16 hours
- C. CSC 310, 321, 341, 360, 365—15 hours
- D. CSC 455, 485, 498—8 hours

IV. Minor in Computer Science—21 or 22 hours

- A. CSC 115 (or CSC 105 & 106), 235; CSC 321 or 365—9 hours.
- B. CSC 125 or 255—4 or 3 hours.
- C. Select CSC Upper-level Elective—3 hours
- D. Select one track:
 - 1. CSC 205 and 341.
 - 2. CSC 160 and 170.
 - 3. CSC 220 and 425.
 - 4. CSC 360 and 351.

V. Minor in Computer Information Systems—21 or 22 hours

- A. CSC 115 (or CSC 105 and 106).
- B. CSC 125 or 255—4 or 3 hours.
- C. CSC 235, 321, 360, 365.
- D. CSC 395 or 411—3 hours.

Assessment of Majors

All senior computer science majors must take the Major Field Test in computer science as one requirement for CSC 498 (see below).

Course Offerings in Computer Science (CSC)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

105. Survey of Microcomputing Applications (3) F, S

An introduction, for the non major/minor, to computers and their applications. Includes computer and information literacy, but the main emphasis is on competency with software through hands-on practice. Cannot be taken for credit after 115.*

106. Algorithm Development (1) W

How to analyze a problem and design a solution with a specific and explicit sequence of steps that must be performed. Emphasis is on logical thinking and debugging, not on the syntax of any particular programming language. This course is intended for students who need CSC 115 but have already completed CSC 105. It cannot be earned for credit after earning credit in CSC 115.

115. Computer Science: Introduction & Overview (3) F, S

Introduction exposing majors/minors to the breadth and interrelationships of courses in the field and empowering others for a continuous exploration of today's technical society. A language-independent overview of hardware and software with emphasis on problem solving and algorithm development. Cannot be taken for credit after 105 without departmental approval.* Must earn a C or higher to apply to CSC major/minor.

*Either 105 or 115 apply to the B.S. specific core, but not both.

125. Computer Science I: Programming in Java (4) S

Prerequisite: CSC 115.

Basic concepts of problem solving, algorithm design and analysis, abstract data types, and program structures. GUI development will be introduced and the object-oriented programming paradigm will be emphasized. Students will design, implement, debug, test, and document programs for various applications. Must earn a C or higher to apply to CSC major/minor.

130. System Administration and Maintenance (3) S

Introduces system administration and maintenance as well as platform technologies. Includes operating systems, applications, administrative activities and organization, and computing infrastructures. Focuses on the Linux operating system.

Student Organizations

The ACM (Association for Computing Machinery) **Student Chapter** is composed of students who are interested in today's world of computing. The club promotes an increased knowledge of the science, design, development, construction, languages, and applications of modern computing machinery. It provides a means of communication between persons interested in computing machinery and their applications.

160. Digital Systems (3) F

Corequisites: CSC 115.

Binary codes, Boolean algebra, combinational logic design, flip-flops, counters, synchronous sequential logic, programmable logic devices, MSI logic devices, adder circuits.

170. Computer Architecture (3) S

Prerequisite: CSC 160.

Introduction to the architecture of stored-program digital computer systems including processor and external device structures and operations, machine operations and instructions, and assembly language concepts and programming.

200. Digital Media Programming (3) F

Prerequisite: CSC 115.

Hands-on introduction to programming with digital media, such as app development for mobile devices and rudimentary game design.

205. Computer Science II: Algorithms & Data Structures (3) F

Prerequisite: CSC 125.

A study of the complexity of algorithms and advanced data structures, including trees and graphs. Tools for analyzing the efficiency and design of algorithms, including recurrence, divide-and-conquer, dynamic programming, and greedy algorithms.

220. Computer Repair and Maintenance (3) S

Prerequisite: CSC 115.

A hands-on approach to competence in configuring, installing, diagnosing, repairing, upgrading, and maintaining microcomputers and associated technologies. The course covers both core hardware and OS technologies.

235. Computer Ethics (3) S

Major social and ethical issues in computers and the Internet, including impact of computers on society and the computer professional's code of ethics.

255. Programming in C (3) S

Prerequisites: CSC 115 or EGR 109.

Introduces the procedural programming paradigm using ANSI C. Must earn a C or higher to apply to CSC major/minor.

265. Fundamentals of Human Computer Interaction (3) S

Introduces HCL, including human factors, HCI aspects of application domains, human-centered evaluation, developing effective interfaces, accessibility, emerging technologies, human-centered software development.

310. Information Assurance and Security (3) F

Corequisites: CSC 130, 235, and 365.

Introduces IAS including fundamental aspects, security mechanism, operational issues, policy, attacks, security domains, forensics, information states, security services, threat analysis & vulnerabilities.

321. Database Management Systems (3) F

Prerequisites: CSC 115 and Junior standing.

Hands-on approach to the design of databases: conceptual design using E-R model and logical design using the relational model and database programming using SQL. The architecture of database application is discussed including the 3-tiered model and web access. Queries, forms, reports and application will be studied by implementing them in a client-server environment.

335. Computer Graphics (3) F—Odd Years

Prerequisite: CSC 255.

Recommended Prerequisite: MAT 315.

An investigation of a wide range of computer graphics via programming techniques. Topics include graphic display theory, graphic techniques, applications, and hardware.

341. Software Engineering (3) F

Prerequisite: CSC 125.

Issues involved with the life cycle of large and complex software systems. Topics include software planning, specifications, coding, testing, and maintenance.

351. Web Applications (3) S.

Prerequisite: CSC 360.

Recommended Prerequisites: CSC 125 and 321.

Examines the world of server-side web technologies and the development of web application tools. This will be accomplished by exploring methodologies for building web applications; exploring various methods of web data base exchange, and examining the aesthetics of a well-formed application for various applications like content management systems, personalized service centers, and other tools that push the power of databases to the web.

360. Web Building & Site Management (3) F

Prerequisite: CSC 115.

Fundamentals of web site development and management, graphical web-building tools, multi-level site planning and construction, navigation schemes, client- and server-side scripting, basic interactivity, information organization, and the delivery of basic multimedia content.

365. Data Communications and Networking (3) S

Prerequisite: CSC 115 and Junior standing.

Introduction to hardware and software components of computer data communications and networking. Emphasis is on practical, hands-on set-up and administration of a LAN, peer-to-peer networking, and the TCP/IP protocol. Topics include routing, shared file and application access, remote printing, and security.

411. Systems Analysis (3) As Needed

Prerequisite: CSC 321.

Process of designing computer-based systems for business applications, tools and techniques of systems development and management; advantages and disadvantages of conversion from existing to new systems will be discussed.

425. Operating Systems (3) F

Recommended Prerequisites: CSC 130, 170, 220, and 365.

Systems resource management: brief historical overview and case studies; discussion of multi-tasking and related concepts of scheduling, interprocess communication, and mutual exclusion/deadlock; overview of file management and memory management. Theory is augmented by detailed study of implementation of an existing operating system.

455. Programming Languages (3) S

Recommended Prerequisite: CSC 255.

Issues in programming language design, specification, and implementation: overview and comparison of major contemporary languages; analysis of translation process with focus on context-free grammars; and investigation of data representation, binding, sequence control, logic and object oriented paradigms. Theory is augmented by implementation of a tokenizer and parser for a simple language.

465. Formal Language (3) F—As Needed

Prerequisites: CSC 255 and MAT 315. Recommended prerequisite: CSC 455.

Theoretical foundations of computer science including formal languages and automata, parsing of context-free languages, Turing machines, computability, and complexity.

485. Internship in Computer Science (1-3) As Needed

Prerequisite: CSC 115; one of CSC 220, 235; one of 321, 360, 365.

Selected students are assigned as interns to obtain supervised practical work related to the CS discipline at a business or non-profit organization.

498. Computer Science Seminar (2-3) S

Prerequisite: 20 hours of CSC and taken in Senior Year.

The setting for administering the Major Field Test and addressing topics where the department perceives need for additional instruction. Students will synthesize previously learned concepts by developing and implementing a solution to a real-world programming problem. Each project will culminate in a report presented at a regional conference. The course may be modified at the discretion of the department.

Course Offerings in Digital Media Studies (DMS)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

190. Digital Media Studies Freshman Seminar (0) F or S
An introduction to the Digital Media Studies major and to the field of digital media, with emphasis on program expectations. Graded Pass/Fail.

490. Digital Media Studies Senior Seminar (3) F, S
Reciprocal with CSC and COM.

Capstone course for DMS major to bring the emphases together for exposure to the variety of fields of digital media and associated workplace cultures. Includes case studies, guest speakers, field trips, and an interdisciplinary group project culminating in the production of a computer-based portfolio for job search.

Available in multiple departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

499. Seminar (1-3)

To be used at the discretion of the department for majors only.

DEPARTMENT OF ENGINEERING

COLLEGE OF ARTS AND SCIENCES

Faculty

Jeannette Herring Russ (2002). Professor of Engineering and Department Chair. B.S., Mississippi State University; M.B.A., Colorado State University; Ph.D., Vanderbilt University; P.E.

Don Van (2001). Professor and Director of Accreditation. B.S. and M.S., University of Illinois in Chicago; M.S. and Ph.D., New Jersey Institute of Technology; P.E., CEM.

Jay Bernheisel (2006). Associate Professor of Engineering. B.S.M.E. and M.S.M.E., Rose-Hulman Institute of Technology; Ph.D., Northwestern University; P.E.

Georg Pinggen (2010). Assistant Professor of Engineering. B.A., Samford University; B.S. and M.S., Washington University; Ph.D., University of Colorado at Boulder.

Randal S. Schwindt (2004). Associate Professor of Engineering. B.S., Hardin-Simmons University; M.S., Texas A&M University; Ph.D., University of Illinois-Champaign; P.E.

Objectives

1. Graduates will make contributions through engineering practice, graduate school, or other professional pursuits.
2. Graduates will solve problems through inventive thinking.
3. Graduates will participate in continuing education.
4. Graduates will exemplify Christian principles and ethical standards.

Curriculum

Union offers the Bachelor of Science in Engineering, BSE, with concentrations in electrical and mechanical engineering.

Students begin their preparation for engineering by enrolling in prerequisites and introductory engineering courses in the Fall Semester, assuring them an adequate foundation for engineering. These prerequisites provide students with a strong background in the physical sciences and mathematics, as well as the humanities. Incoming students are expected to have completed the necessary requirements that will allow them to begin mathematics at the level of calculus. Ideally, engineering students

will have been introduced to calculus in high school. These courses are combined with engineering courses to fully prepare the student for a successful professional engineering career. Students who do not have the appropriate math and science background will be carefully advised to take the proper courses to build the required foundation. This track will require approximately 5 years to finish, instead of a usual 4 years.

The engineering major must complete all General Core Requirements to include CHE 111 and MAT 211. The major must also complete the BSE Specific Core comprised of MAT 212, 213, 314 (11 hours); MAT 208 or 315 (3); CSC 255 (3); CHE 113 (2) and PHY 231-32 (10).

The student with an acceptable bachelors degree seeking the BSE as his second baccalaureate will complete CHE 111, MAT 211 and the BSE Specific Core as prerequisites to the major as well the major requirements described below.

Engineering Major Requirements—61 hours

I. Major core requirements—47 hours + a Concentration

- A. EGR 101, 105, 109, 210, 240, 250, 261, 262
- B. EGR 330, 342, 360, 375
- C. EGR 475, 491, 492, 498

II. Mechanical Engineering Concentration—14 hours

- A. EGR 320, 352, 385
- B. EGR 450, 456

III. Electrical Engineering Concentration—14 hours

- A. EGR 361, 395 (3)
- B. EGR 405, 416

Assessment of Majors

Assessment of majors culminates with the Fundamentals in Engineering (FE) exam taken during the senior year. The test, prepared by the National Council of Examiners for Engineering and Surveying, is administered by the State of Tennessee as the first step toward becoming a licensed professional engineer. Throughout the program, however, the student is monitored by a portfolio tracking system to ensure he/she will have attained all expected educational outcomes.

Course Offerings in Engineering (EGR)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

101. Introduction to Engineering Design and Analysis (2) F

Provides an overview of the engineering profession, including technical and legal responsibilities, the design and analysis method, and application of the engineering process to problem solving.

105. Engineering Graphics (3) S

Graphical communication methods through one of the widely used software packages–ProE; covers 2-D projections and views, 3-D surface and solid modeling, and general concepts such as object dimensions and tolerances.

109. Introduction to Matlab and Computer Programming (2) F, S

Introduces computer programming using Matlab as a high-level programming language and Matlab as an engineering computational tool. Includes general computer programming principles and structures and the unique feature of Matlab, such as vector and matrix operations, with application to engineering.

210. Materials Engineering (3) S

Prerequisite: CHE 111, PHY 231.

Examines the structure of material at the atomic level, including how physical, thermal, and mechanical properties affect the behavior of materials.

240. Mechanical Engineering Fundamentals I: Mechanics (3) F

Prerequisites: MAT 212 and PHY 231

Introduces vector analysis of forces and torques. Examines rigid bodies and determinate structures at equilibrium. Covers kinematics of a particle and of a rigid body. Presents kinetic analysis using force-acceleration, work-energy, and impulse-momentum techniques.

250. Mechanical Engineering Fundamentals II: Thermo-fluid Dynamics I (4) S

Prerequisite: CHE 111, PHY 232; Corequisite: MAT 314.

Introduces macroscopic concepts of thermodynamics, including first and second laws, properties of a pure substance, and energy analysis; also introduces hydrostatics and fluid dynamics, including pressure distribution, relations for fluid particles, and development of conservation theorems. Includes weekly lab.

261. Electrical Engineering Fundamentals I: Digital Logic (3) F

Basic Principles of logic design, including Boolean algebra, number systems, combinational and sequential logic, and programmable logic devices. Introduces computer simulation techniques for logic circuits.

262. Electrical Engineering Fundamentals II: Electric and Electronic Circuits (4) S

Prerequisites: PHY 232 and MAT 212

Fundamental concepts of circuits and electronics, including basic concepts, theorems, and laws of dc and ac circuits. Introduces power sources, passive circuit devices, op amps, and selected semiconductor devices. Includes a weekly lab.

320. Mechanics of Materials (3) S

Prerequisite: EGR 210, PHY 231, MAT 314.

The relationship between internal stresses and changes of form produced by external forces acting on solid bodies; also covers normal and shear stresses, strain, elasticity and plasticity, deformations, and loading.

330. Engineering Economy (3) F

Presents basic principles of economic analysis related specifically to the realm of engineering; covers methods of developing engineering alternatives to capital investment projects using economic and financial principles.

342. Engineering Experimental Methods (3) F

Prerequisite: Jr. Standing.

Teaches computer-based tools for engineering data analysis and experimental design; includes probability, statistical analysis, measurement errors, and graphical presentation methods.

352. Mechanical Engineering Laboratory (1) S

Prerequisite: EGR 342.

Demonstrates laboratory experimentation as a design and modeling tool. Emphasizes design of experiments and communicating engineering results. Includes planning, executing, and reporting on an area chosen by the students.

360. Modeling and Analysis of Linear and Dynamical Systems (3) F

Prerequisite: EGR 240, EGR 262, and MAT 314.

Presents analysis of linear time-invariant (LTI) systems using time-domain and frequency-domain techniques. Electrical and mechanical system dynamics are characterized and modeled using differential equations, impulse response, and Laplace and Fourier techniques. Includes extensive use of Matlab.

361. Digital Electronics (4) F

Prerequisite: EGR 261

Design and simulation techniques for digital systems, including optimal state assignment and state reduction for sequential circuits, circuit fault analysis, and higher level conceptual modeling. Covers system level topics such as computer organization and design test techniques. Includes a weekly lab.

375. Power Systems and Electrical Machines (3) S

Prerequisite: EGR 262.

Introduces the basic principles of power systems and electrical machines with an emphasis on 3-phase power, theory of machinery, and principles of machine operation. Topics include transformers, electro-mechanics, synchronous machines, induction motors, and DC motors and system-level topics such as power flow, faulty analysis, and economic operation.

385. Energy Conversion (3) F

Prerequisite: EGR 250.

Provides a comprehensive analysis of current energy systems, including fossil power plants, nuclear plants, and other forms of renewable energy sources; covers the Rankine cycle, steam generators, combustion, and turbines; presents information on the environmental impact of energy generation.

405. Electronic Circuit Analysis and Design (4) S

Prerequisite: EGR 262.

Introduces fundamental principles of electronics, including analysis and design techniques for circuits containing diodes, field effect transistors, and bipolar junction transistors. Includes weekly lab.

416. Physical Principles of Solid State Devices (3) S

Prerequisite: EGR 210 & 262. Reciprocal credit: PHY 416.

Introduces concepts in material science and quantum physics, including modern theory of solids, magnetic and optical properties of materials, semi-conductors and semi-conductor devices, dielectric materials, and super-conductivity.

450. Thermo-fluid Dynamics II (4) F

Prerequisite: EGR 250.

Covers the 2nd law of thermodynamics, reversible/irreversible processes, entropy, steady-flow devices, power and refrigeration cycles, conduction, convection, and radiation heat transfer, as well as an application of the Navier-Stokes equations to internal and external viscous fluid flows. Includes weekly lab.

456. Machine & Mechanism Theory & Design (3) S

Prerequisite: EGR 360.

Covers design, selection, and evaluation of mechanisms for various applications, including planar and spatial linkages, cams, gears, planetary and non-planetary gear systems, linkage synthesis, and linkage dynamics.

470. Heat Transfer (3) S

Prerequisite: EGR 450.

The analysis of various heat transfer modes, including conduction, natural and forced convection, and radiation; introduces industrial applications of heat transfer such as heat exchangers, waste heat recovery, and steam generators in a nuclear plant or in a gas turbine electrical generator.

475. Control Theory and Design (4) F

Prerequisite: EGR 360.

Introduces analysis and design of linear control systems using root locus and frequency response techniques; includes system representation and control system characteristics. Includes weekly lab.

491. Major Project Design I (3) F

Prerequisite: Senior Standing.

Allows a student to work individually on a real-world engineering problem assigned by either the instructor or a sponsoring industry; requires the student to solve the problem by applying the engineering design and analysis method; involves oral and written presentations, where the written presentation is in the form of a design portfolio that documents a full engineering study of the project.

492. Major Project Design II (3) S

Prerequisite: Senior Standing.

Allows a team of students to work on a real-world engineering problem assigned by either the instructor or a sponsoring industry; requires the student to solve the problem by team effort via project management; involves oral written presentations, where the written presentation is in the form required for EGR 491. The oral presentation will be a publicly announced event.

498. Engineering Seminar (1) S

Prerequisite: Senior Standing.

Provides an opportunity for students to discuss professional ethics and Christian conduct as engineers through case studies. Includes also presentations by engineers from local industry on current topics.

499. Seminar (1-3) As Needed

To be used at the discretion of the department.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)**295-6-7. Special Studies (1-4)**

Lower-level group studies which do not appear in the regular department offerings.

395. Special Studies (3)

Upper-level group studies applicable to electrical engineering which do not appear in the regular department offerings.

396-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular department offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member.

DEPARTMENT OF ENGLISH

COLLEGE OF ARTS AND SCIENCES

Faculty

John Netland (2008). Professor and Department Chair, English. B.A., Biola University; M.A., California State Polytechnic University; Ph.D., University of California, Los Angeles.

Janna Chance (2007) Assistant Professor of English. B.A., Texas A&M University; M.A. and Ph.D., Rice University.

Jason Crawford (2011). Assistant Professor of English. B.A., Louisiana State University; A.M. and Ph.D., Harvard University.

Gene C. Fant, Jr. (2002). Professor of English and Executive Vice President for Academic Administration. B.S., James Madison University; M.A., Old Dominion University; M.Div., New Orleans Baptist Theological Seminary; M.Ed., and Ph.D., University of Southern Mississippi; Additional study, Harvard University.

Patricia L. Hamilton (2001). Associate Professor of English. B.A., Biola University M.A., California State University, Fullerton; Ph.D., University of Georgia.

Scott Huelin (2009). Associate Professor of English and Director of the Honors Community. B.A. and M.A., University of North Carolina; Ph.D., University of Chicago.

David Malone (1999). Associate Professor of English. B.A., Wheaton College; M.A., State University of New York at Binghamton; Ph.D., Northern Illinois University.

Gavin Richardson (1998). Professor of English. B.A., Vanderbilt University; M.A. and Ph.D., University of Illinois at Urbana-Champaign.

Bobby Rogers (1989). Professor of English and Writer in Residence. B.A., University of Tennessee at Knoxville; M.F.A., University of Virginia.

Roger S. Stanley (1990). Assistant Professor of English. B.A., Appalachian State University; M.A., East Tennessee State University; M.F.A., Murray State University. Additional study, University of Mississippi.

Pam Sutton (1998). Professor of English. B.A., Southern Arkansas University; M.A. and Ed.S., Arkansas State University; Ed.D., Texas A&M University-Commerce.

Christine Bailey (2006). Director of Composition Support. B.S., Tennessee Tech University; M.A., Belmont University; M.F.A., Murray State University.

Mission Statement

- To provide student-centered attention which facilitates effective communication.
- To offer courses in composition which require analytical reading, thinking, and writing.
- To offer courses that explore and analyze multicultural literature to broaden world views.
- To offer a range of English courses emphasizing genres, periods, major writers, history and structure of the language, composition, research, and critical analysis.

Curriculum

I. Major in English With Creative Writing Emphasis—34 hours

A. Core requirements for all majors—13 hours

1. ENG 318 and 410—6 hours
2. ENG 450 or 460—3 hours
3. ENG 300 and 490—4 hours

B. Writing Core: ENG 312, 425, and 426—9 hours

C. Genre Studies: Select 2 from 305, 310, 311, 320, 336, 337—6 hours

D. Select 6 hours from ENG 305, 310, 311, 320, 325, 334, 335, 336, 337, 340, 342, 400, 422, 423, 427, 430, 431, 432, 433, 450 or 460, 395-6-7, 495-6-7.

II. Major in English with Literature Emphasis—34 hours

A. Core requirements for all majors—13 hours

1. ENG 318 and 410—6 hours
2. ENG 450 or 460—3 hours
3. ENG 300 and 490—4 hours

B. Advanced Literature Studies—6 hours

1. ENG 340 or 342
2. ENG 334 or 335

C. Genre studies: Select 1 from 305, 310, 311, 320, 336, 337—3 hours

D. Select 12 hours from ENG 305, 310, 311, 320, 325, 334, 335, 336, 337, 340, 342, 400, 422, 423, 425, 426, 427, 430, 431, 432, 433, 435, 450, 460, 395-6-7, 495-6-7.

III. Teacher Licensure for English (Grades 7-12)

A. Major requirements as shown above for either concentration to include in the Creative Writing Emphasis ENG 334 or 335 and ENG 340 or 342, replacing choices under I.D. above.

B. Additional requirement: CSC 105

C. Professional Education: EDU 150, 250, 326, 420, 433; PSY 213, 318; SE 225.

D. The student must earn a 3.0 major GPA.

E. Completion of applicable portions of the Praxis II.

F. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IV. English Minor Requirements

Building on the 12 hours of ENG required in the General Core, the minor requires 15 ENG hours >299.

Major in English with Discipline-Specific Honors

The Honors Program in the English Department is intended to offer outstanding students the opportunity to engage in certain kinds of advanced, academically challenging projects that they might not have the occasion to encounter in the standard English curriculum.

Application Process

Students who meet the minimal requirements should submit an application to the Chair of the English Department. Admission is at the discretion of the English Department faculty. Applications must be approved by a majority vote of the English Department at the next departmental meeting.

Admission Requirements

The following students are eligible for admission to the discipline-specific honors program

- English majors who have been admitted to the General Honors Program and who have attained a cumulative GPA of 3.5 or higher for one academic year
- English majors who have completed at least one academic year of coursework at Union, including at least one upper-level English course, and who have a cumulative GPA of 3.5 or higher

English majors who do not meet the minimal GPA or residency requirements, but who have completed at least one full year of course work and have completed at least two upper-level English courses at Union, may submit a portfolio of their creative or critical work and appeal to be admitted to the program.

Progression

To remain in the program a student must

- Maintain a 3.50 GPA in the major
- Earn at least a B in each honors contract course
- Complete each item in the Honors Project/Thesis timeline on time and to the satisfaction of the department chair or thesis director

Students who fail to meet any of these three criteria may be placed on probation; students on probation who fail to rectify their shortcomings within one semester may be dismissed from the program. Probation and dismissal decisions will be made by the department chair in consultation with the Director of the Honors Community.

Honors Project/Thesis

The honors thesis serves as the culmination of the student's honors work in the English Department. Building on previous work, the honors thesis represents a mature, independent work of original scholarship or creative writing. All projects must be approved by the English Department prior to the beginning of the semester in which the work will be undertaken.

1. Literature-track students will write a work of literary or linguistic analysis of approximately 35-40 pages that draws upon at least 15-20 works of secondary criticism. These students will also submit an annotated bibliography of their research.
2. Writing-track students will write a work or collection of works in their preferred genre(s) totaling approximately 35-40 pages. These students will also prepare a short (3-4 page) reflective essay on five major literary influences on their writing.
3. All thesis writers will give a formal presentation of their findings or a reading of their finished creative work in a colloquium setting. All students in the English discipline-specific program will be expected to attend.

All students will work with a thesis director, who will take the lead in guiding the project and responding to early drafts, and with a second reader, who will provide some feedback later in the process (after a first draft has been completed).

Assessment of Majors

Majors are required to take ENG 490 which is the culmination of the major in the completion and defense of a thesis.

Student Organization

Sigma Tau Delta, a national English Honor Society, recognizes students who have realized accomplishments in the English language and literature. The motto is "Sincerity, Truth, Design." Union University's chapter was organized in 1979. Officially declared English majors/minors who have completed at least 36 semester hours of college study, with 6 hours in literature, meet the minimum eligibility requirements. Furthermore, the student must have at least a 3.0 GPA in English Department courses for membership.

Student Award

The **Helen Blythe Creative Writing Award** is given to the graduating senior who is deemed by the English Department faculty to be the best creative writer.

General Regulations

Students are required to complete the core curriculum requirements in composition and literature before enrolling in an upper-level English course.

Course Offerings in English (ENG)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

111. Written Composition I (3) F, S, Su

Includes a study of the principles of grammar, usage, and rhetoric, emphasizing the writing of clear, effective exposition.

111L. Writing Lab (1) F

Corequisite: ENG 111—sections K.

In this lab setting, this one-hour supplement to ENG 111 for the Keystone sections focuses on the skills necessary to enhance student success in ENG 111.

112. Written Composition II (3) F, W, S

Prerequisite: ENG 111.

Includes library orientation and instruction in research methods. Students will write critical themes and a research paper.

201. World Literature I (3) F, W, S, Su

Prerequisites: ENG 111, 112.

Selected writers beginning with the Greeks and continuing through the 17th century.

202. World Literature II (3) F, W, S, Su

Prerequisites: ENG 111, 112.

Selected world writers from the 18th through the 20th century.

Completion of ENG 111, 112, 201 and 202 is prerequisite to the following unless otherwise noted:

300. Literary Criticism and Analysis (3) F, S

Prerequisite: ENG 201 or 202 with alternate as the Corequisite.

Overview of methodologies and various schools of theory used in literary analyses with special attention to close reading techniques, coupled with mastery of MLA style guidelines.

305. Drama (3) F—Odd Years

Reciprocal credit: COM 305.

Representative dramas selected from literary, historic, or thematic types. Includes such writers as Ibsen, Chekhov, Shaw, Brecht, O'Neill, Ionesco, and Soyinka.

310. Poetry (3) Every Third Year

Representative poetry selected from literary, historic, or thematic types. Includes the works of such writers as Sappho, Catullus, Petrarch, Goethe, Pushkin, Eliot, and Frost.

311. Literature and Film (3) Every Third Year

Prerequisite: ENG 201 or 202 with alternate as the Corequisite.

An examination of the intersection of film and literary texts and the scholarly analyses of each narrative format. Discussion includes cultural and historical aspects, philosophical approaches to adaptation, and the technical analysis of film.

312. Creative Writing (3) F, S

Prerequisite: ENG 201 or 202 with alternate as the Corequisite.

Reciprocal credit: COM 312.

Emphasis is on the production of original writings, particularly in the genres of poetry, short story, drama, and essay.

318. Advanced Composition (3) S; As Needed

Prerequisite: ENG 201 or 202 with alternate as the Corequisite.

Reciprocal credit: COM 318.

Techniques of writing effective expository, argumentative, descriptive, and narrative nonfiction prose.

320. The Short Story (3) Every Third Year

Prerequisite: ENG 201 or 202 with alternate as the Corequisite.

A study of representative short stories selected from literary, historic, or thematic types. Includes such writers as Maupassant, Chekhov, Poe, Joyce, Lawrence, Hurston, O'Connor, Gordimer, Mahfouz, and Garcia Marquez.

325. Literature and Faith (3) Every Third Year

Prerequisite: ENG 201 or 202 with alternate as the Corequisite.

A close literary, theological and historical analysis of writers of faith such as Augustine, Dante, Donne, Herbert, Hardy, Tennyson, C. Rossetti, Dostoyevsky, T.S. Eliot, Lewis, Solzhenitsyn, Wiesel, Endo, Potok, Dillard, Robinson and Berry.

334. Survey of American I (3) S—Even Years

A study of literature from the Colonial, Early National, and Romantic Periods.

335. Survey of American II (3) S—Odd Years

A study of literature from the Realistic Period through Post Modernism.

336. The Epic (3) Every Third Year

Comparative study of oral/formulaic tales from around the world which have been recorded and of the literate creations intended to imitate those tales in some traditions. Includes such authors and works as Gilgamesh, Homeric epics, Virgil, Icelandic saga, Ariosto, Milton, the Ramayana, the Mwindo Epic, and Amos Tutuola.

337. The Novel (3) Every Third Year

Representative novels from literary, historic, or thematic types. Includes such writers as Cervantes, Balzac, Dostoevsky, Hawthorne, Joyce, Faulkner, Soseki, and Achebe.

340. Survey of British Literature I (3) F—Odd Years

Survey of major works authors and themes of British literature from the Anglo-Saxon period through the Renaissance.

342. Survey of British Literature II (3) F—Even Years

Survey of major works authors and themes of British literature from the Restoration through the Post-Colonial period.

400. Race and Ethnicity in American Literature (3) Every Third Year

A close literary, cultural and historical study of traditions of ethnic literature in America, such as African American, Asian American, Latino/a, Native American, and Jewish American literature.

410. Representative Plays of Shakespeare (3) F

An in-depth study of approximately twelve selected comedies, tragedies, and histories of Shakespeare, with an emphasis on the Elizabethan Age.

422. Eighteenth Century British Literature (3) Every Third Year

A close literary and historical analysis of one or more such authors from the Long 18th Century, such as Dryden, Pope, Behn, Defoe, Fielding, Richardson, Johnson, Swift, and Gray.

423. Nineteenth Century American Literature (3) Every Third Year

Advanced literary, cultural and historical study of 19th century American literature. Topics may include Transcendentalism, Realism, and Naturalism, and representative authors may include Emerson, Thoreau, Hawthorne, Dickinson, Twain, Whitman, Jewett, Stowe, Cather, and Wharton.

425. Fiction Writing (3) F

Prerequisite: ENG 312.

A writing workshop in which advanced techniques of fiction writing are practiced, culminating in a manuscript of original work.

426. Poetry Writing (3) S

Prerequisite: ENG 312.

A writing workshop in which advanced techniques of poetry writing are practiced, culminating in a manuscript of original work.

427. Victorian Literature (3) Every Third Year

A close literary, cultural and historical analysis of the literature of the English Victorian period, featuring one or more such authors as Arnold, C. Bronte, E. Bronte, R. Browning, E.B. Browning, Dickens, Eliot, Hardy, Hopkins, and Tennyson.

430. Classical Antiquity (3) Every Third Year

A close literary and historical analysis of one or more such authors as Homer, Plato, Thucydides, Sophocles, Virgil, and Horace.

431. The Middle Ages (3) Every Third Year

A close literary and historical analysis of one or more such authors as Chaucer, Malory, Marie de France, Boccaccio, Petrarch, and Dante.

432. The Renaissance (3) Every Third Year

A close literary and historical analysis of one or more such authors as Marlowe, Milton, Rabelais, Machiavelli, Calderon, and Cervantes.

433. Romanticism (3) Every Third Year

A close literary and historical analysis of one or more such authors as Goethe, Rousseau, Hugo, Wordsworth, Pushkin, Hawthorne, and Melville.

435. Twentieth Century and Contemporary Literature (3) Every Third Year.

A close literary and historical analysis of world authors across genre from World War I-era High Modernism, World War II-era postmodernism, post-colonialism, and contemporary literature.

450. The History of the English Language (3) S

Study of the development of current forms of the English language, surveying issues of historical linguistics with attention to the roles of Old English and Middle English in the development of Anglophone language and literature.

460. Advanced Grammar (3) Fall

Study of the grammar of the English language, including study of the various approaches to grammar and its pedagogy.

490. Senior Thesis (1) S

Prerequisite: Permission of the Department Chair

To complete the major, the student will complete a thesis demonstrating an understanding of the principles of literary theory and criticism. The student will present and defend the work before a faculty panel.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their applications must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

498-499. Seminar (1-3) On Demand

To be used at the discretion of the department for majors only.

*Consult the English Department for details.

DEPARTMENT OF HISTORY

COLLEGE OF ARTS AND SCIENCES

Faculty

Stephen Carls (1983). University Professor of History and Department Chair. B.A., Wheaton College; M.A. and Ph.D., University of Minnesota.

D. Keith Bates (2004). Associate Professor of History. B.A., Union University; M.A., Southwestern Baptist Theological Seminary; Ph.D., Kansas State University.

Judy C. LeForge (1999). Professor of History. B.A. and M.A., Western Kentucky University; Ph.D., University of Memphis.

W. Terry Lindley (1986). Professor of History. B.A., Texas A & M University; M.A., University of New Orleans; Ph.D., Texas Christian University; Additional study, Southwestern Baptist Theological Seminary.

David Thomas (1994). Professor of History. B.S., The Ohio State University; M.S., University of Michigan; Ph.D., The Ohio State University.

Curriculum

The Department of History offers courses that are designed to meet both cultural and professional objectives. The history courses attempt to give the student a discriminating knowledge of the past by encouraging an understanding of other times according to the standards of those times and by evaluating institutions and movements in the light of their effects upon later developments. History students encounter a diversity of teaching styles, learn about the methods of the discipline, and deepen their understanding of the integration of Christian faith and history. The geography courses provide the student with an understanding of the relationship between geographical elements and man's life on earth.

I. History Major Requirements—36 hours

- A. Required: HIS 101, 102, 211, 212, 245, 498
- B. Two from: HIS 301, 311, 312, 317, 320, 322, 420 (World)
- C. Two from: HIS 325, 330, 331, 332, 333, 410, 414, 415, 417, 422 (American)
- D. One from: HIS 300, 305, 316, 397 (Church)
- E. One upper-level HIS elective

II. Teacher Licensure for History (Grades 7-12)

- A. Major requirements as shown above.
- B. Additional requirements for licensure: GEO 112; 215 or 216.
- C. Professional Education: EDU 150, 250, 326, 425, 433; PSY 213, 318; SE 225.
- D. Completion of applicable portions of the Praxis II.
- E. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

III. History Minor—21 hours

- A. Requirements of all History Minors
 1. HIS 101, 102, 245
 2. HIS 211 or 212
- B. Requirements for General History Emphasis—9 hours
 1. One of: HIS 301, 311, 312, 317, 320, 322, 420 (World)

2. One of: HIS 325, 330, 331, 332, 333, 410, 414, 415, 417, 422 (American)

3. One upper-level HIS elective

C. Requirements for Church History Emphasis—9 hours

1. HIS 305
2. Two of: HIS 300, 316, 397

Major in History with Discipline-Specific Honors

A student must do all of the following in order to earn discipline-specific honors in history:

A. Meet the history department's admission requirements for its honors program;

B. Complete as a part of the 36-hour requirement for the history major:

1. Honors contracts in two upper-level, content-based courses:
 - The courses must be regularly scheduled classes or directed studies; no independent studies will be allowed;
 - The courses must be taken either during the fall or spring semester;
 - The courses must be taken from two separate history professors;
 - The student must have a minimum 3.5 GPA for the two classes.

2. Honors contracts in two courses (HIS 497, HIS 498) that focus on the student's honors thesis:
 - The student must take an independent study (HIS 497) to launch the honors thesis project;
 - The student must take a directed-study senior seminar (HIS 498) to complete the honors thesis;
 - The student must earn a final grade of A in both HIS 497 and HIS 498.
 - The student must complete the honors thesis by the end of the fall semester of his/her senior year (based on the assumption that the student will graduate at the conclusion of the spring semester that immediately follows).

C. Present his/her honors thesis in an abridged form at an acceptable history conference.

D. Defend successfully his/her honors thesis before a committee of three full-time Union University professors, two of whom will be from the Department of History.

E. Attend 4 honors colloquia per year as determined by the Director of the Honors Community.

Assessment of Majors

History 498 is the culmination of the history major's study in which the student demonstrates the use of the tools of historical research and writing by composing a major paper that includes primary sources. This course requires the major to discuss with fellow history students the methodological and historiographical problems that historians face and to share the findings of his/her paper in a seminar setting. All senior history majors must also take the Area Concentration Achievement Test (ACAT) in History.

Student Organizations

The Delta-Psi Chapter of Phi Alpha Theta National History Honor Society is open to students who have had 12 semester hours of history and who have a minimum HIS GPA of 3.1 and 3.0 in the remainder of their work. Union's chapter, established in 1953, was the first in the state of Tennessee.

The Rutledge Honorary History Club was founded in 1929 to stimulate the study of history. Membership by invitation is offered to history majors and minors and a select number of students who have undertaken three semester hours of history with a course average of 3.0 and who have expressed an interest in the study of history.

Student Awards

Departmental Awards are given to: two graduating seniors for outstanding work, one in the history major and the other in the history minor; a graduating senior for excellence in student teaching; and students who present papers at Phi Alpha Theta regional conferences.

Dr. James Alex Baggett History Research Awards are given for the best original research papers presented as part of the requirements for any history course.

The Phi Alpha Theta Scholarship Key is presented to a graduating senior member of the society who has a major in history and who has an average of 3.5 or better in that discipline.

Course Offerings in History (HIS)

() Hours Credit; F—Fall, W—Winter; S—Spring; Su—Summer

101. World Civilization to the 18th Century (3) F, W, S, Su

Social, economic, political, and intellectual characteristics of human society with emphasis on people, movements, and ideas influencing the development of civilization.

102. World Civilization from the 18th Century (3) F, W, S, Su

A continuation of HIS 101 with emphasis on the 18th, 19th and 20th centuries.

211. The United States to 1877 (3) F, S

A survey of United States emphasizing English colonization, the American Revolution, the adoption of the Constitution, the growth of nationalism and sectionalism, the Civil War, and reconstruction.

212. The United States from 1877 (3) F, S

A survey of United States emphasizing new social and industrial problems, the rise of progressivism, America's emergence as a world power, World War I, postwar reaction and the New Deal, World War II, and contemporary America.

245. History and Historians (3) F

An introduction to the nature of historical research and to various schools and philosophies of history. This course is normally taken during one's sophomore year.

300. American Church History (3) F—Even Years

Reciprocal credit: CHR 300.

Religious and church developments in America from the Puritans to the present.

301. Ancient History (3) S—Even Years

Prerequisite: HIS 101.

Mediterranean-based civilization of the ancient world. Emphasis will be given to the Near East, Greece, and Rome.

305. History of Christianity (3) F, S

Prerequisite: HIS 101 & 102. Reciprocal credit: CHR 305.

A survey of Christianity from Christ to the present.

311. England to 1714 (3) F—Even Years

Origin and growth of the English people from ancient

times to the 18th century. Emphasis is placed on constitutional developments.

312. Modern Britain and the Empire (3) S—Odd Years

Main currents of thought, constitutional changes, the rise of parliament, and foreign policy.

316. Renaissance and Reformation (3) F—Odd Years

Reciprocal credit: CHR 316.

Northern and Southern Renaissance; Reformation, Counter-reformation, and Protestantism.

317. The French Revolution and Napoleon I (3) F—Odd Years

A study of the background, personalities, and events of the Revolution, the Napoleonic Wars, and the Congress of Vienna.

320. Latin American History (3) S—Odd Years

An introduction to the history of Latin America beginning with pre-colonial and colonial history, but emphasizing the period since independence.

322. Twentieth Century Europe (3) S—Even Years

Prerequisite: HIS 102.

The history of the economic, social, and political developments since 1914 with an emphasis on international relations.

325. History and Government of Tennessee (3) S—Odd Years

The political, constitutional, social, and economic history from 1796 to the present.

330. Colonial America, 1607-1776 (3) S—Even Years

Historical development of the colonies which became the United States, from origins to the Declaration of Independence.

331. American Revolution & Early National Period, 1776-1828 (3) F—Even Years

A study of the American Revolution and national development under the Federalist and Republican administrations.

332. Civil War & Reconstruction (3) S—Even Years

The American nation during the years leading to the Civil War, the war itself, and the immediate aftermath.

333. Women in U.S. History, 1607 to the Present (3) S—Even Years

A study of social, cultural, and political aspects of women's history in the U.S. with additional emphasis on the role religion played in the lives of American women in the 19th and 20th centuries.

410. American Foreign Policy (3) F—Odd Years

A survey of the most significant developments of American foreign policy with an emphasis on problems arising from the emergence of the United States as a world power.

414. The Gilded Age and Progressive Era, 1877-1920 (3) F—Odd Years

A study of the energetic and controversial transformation of America from a rural commercial society to an urban, industrial society. Includes domestic reforms through 1920 for continuity, but leaves the more thorough discussion of WWI for HIS 415.

415. America and World War, 1914-1945 (3) F—Even Years

A close look at the United States during the period of profound change brought by World War I, the twenties, the Great Depression and World War II.

417. The South (3) S—Odd Years

The Old and New South, 1607 to the present.

420. Russia Since 1547 (3) F—Even Years

Social, cultural, and political developments from the 16th century to the present.

422. The United States in the Cold War Era, 1945-1991 (3) S—Odd Years

A survey of political, social, and economic changes in the U.S. from the Truman administration to the end of the Gulf War. Emphasis is placed on domestic reforms, civil rights, foreign policy, and the Korean War, Vietnam, and Cold War.

431. History Internship (1-3) As Needed

Prerequisites: Prior department approval, 3.0 HIS GPA and 3 upper level HIS hours. Maximum: 6 semester hours. Individualized field study in applied historical research such as through private archives and libraries, government agencies, businesses, and archaeological sites.

Course Offerings in Geography (GEO)

() Hours Credit; F—Fall, W—Winter; S—Spring; Su—Summer

112. Elements of Physical Geography (4) F, W, Su

Reciprocal credit: PHY 112.

See PHY 112 for description.

215. World Regional Geography I (3) F

Regional, physical, and human geography of the developed world to include the United States, Canada, Western Europe, Russia, Eastern Europe, Japan, Australia and New Zealand.

216. World Regional Geography II (3) S

Regional, physical, and human geography of the developing world to include Middle and South America, Southwest Asia, North Africa, Africa south of the Sahara, China, East and South and Southeast Asia, and the Pacific.

Available in each departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)**295-6-7. Special Studies (1-4)**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

397. Special Studies in Church History (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

498. Seminar (3) F

Prerequisite for history seminar: HIS 245 or consent of instructor.

To be used at the discretion of the department.

499. Seminar (1-3)

To be used at the discretion of the department.

DEPARTMENT OF LANGUAGE

COLLEGE OF ARTS AND SCIENCES

Faculty

Jean Marie Walls (1987). Professor of Language and Department Chair. B.A. and M.A., Mississippi State University; and Ph.D., Louisiana State University. Additional study, Northwestern University.

Julie Glosson (1995). Professor of Language. B.A., Union University; M.A., and Ed.D., University of Memphis.

Cynthia Powell Jayne (1976). University Professor of Language and Associate Provost for International and Intercultural Studies. B.A., Mississippi College; M.A. and Ph.D., Louisiana State University; Additional study, Vanderbilt University, University of Kentucky, and the Summer Institute of Intercultural Communication.

Victoria Malone (2005). Visiting Instructor of Language. B.A. and M.A., Northern Illinois University

Karen Martin (2003). Professor of Language. B.A., Samford University; B.A., Union University; M.A., The University of Alabama; D.M.L., Middlebury College.

Kristie Niemeier (2010). Assistant Professor of Language. B.A., Transylvania University; M.A., University of Kansas; Ph.D., University of Kentucky.

Phillip G. Ryan (1997). Professor of Language and Coordinator of ESL Programing. B.A., Union University; M.A., University of Memphis; Ph.D. Indiana University of Pennsylvania.

Curriculum

The Department of Language provides a multifaceted, innovative curriculum in language, literature, culture and language acquisition. The Department offers majors in French, Spanish, Teaching English as a Second Language, and Applied Linguistics with the option of teacher licensure in the first three. The Department's commitment to a strong interdisciplinary approach to the study of language and culture is reflected in the variety and scope of offerings, as well as the opportunities to enhance on-campus study with off-campus international and domestic programs.

The French and Spanish majors offer three tracks. All hours of the major are in one language unless the student has received prior written permission of the Chair. A minimum of 15 hours, including 490, of the major must be earned under the direct supervision of the faculty of Union University.

Students are strongly urged to complete the immersion experience required for the French and Spanish majors prior to the last semester of study at Union and to enroll in at least one language course after the experience. See Department guidelines for details about planning study abroad.

The Teaching English as a Second Language major, with its strong emphasis in applied linguistics and with its field experience opportunities, provides a supportive and substantive framework for participants to develop their understanding of language and to explore their own development as language teachers. The program is designed for those seeking employment teaching English as a second or foreign language.

The Applied Linguistics major offers students the opportunity to explore language structure, acquisition, and cultural context.

I. Major, French or Spanish: Language and Culture Track—37 hours

- A. Select 6 hours: 211, 212, 213, 214 or any Upper level courses
- B. Select 6 hours: 311, 312, 316, 317, 411, 420, 421, 499, 395/495*
- C. Select 9 hours from one group and 12 hours from the alternative group
 - 1. 313, 325, 330, 430, 440, 395/495*
 - 2. 213, 320, 319, 419, 499, 395/495*
- D. External program/study credit approved by department—3 hours
- E. 490—1 hour
- F. B, C, or D above must include at least 6 hours at the 400 level

II. Major, French or Spanish: Literature and Culture Track—37 hours

- A. Select 6 hours: 211, 212, 213, 214, or any Upper level courses
- B. Select 12 hours: 311, 312, 316, 317, 411, 420, 421, 499, 395/495*
- C. Select 9 hours: 313, 325, 330, 430, 440, 395/495*
- D. Select 6 hours: 213, 319, 320, 419, 499, 395/495*
- E. External program/study credit approved by department—3 hours
- F. 490—1 hour
- G. B, C, or D above must include at least 6 hours at the 400 level

III. Major, French or Spanish: Teacher Education Track—37 hours

- A. 213 and 6 hours from: 211, 212, 214 or higher—9 hours
- B. 313, 325, 330 & either 430 or 395/495*—12 hours
- C. Select 6 hours of Literature, Survey or Genre
 - 1. FRE 311, 312, 317, 420, 421
 - 2. SPA 311, 312, 316, 411, 420
- D. 319 or 419; 350, 490—7 hours
- E. External program/study credit approved by department—3 hours
- F. B, C, or D above must include at least 6 hours at the 400 level
- G. Professional Education: EDU 150, 250, 326, 423, 433; PSY 213, 318; SE 225
- H. Completion of applicable portions of the Praxis II.
- I. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IV. Major, Teaching English as a Second Language—34 hours

- A. TESL 210, 220, 315, 320, 410, 440
- B. ICS 320; EDU 423; LANG 350; ENG 450 or 460
- C. One of: PSC 332, PHL 349, SOC 419
- D. Language prerequisite: Six hours 200 or above or demonstrated proficiency as approved by the Language Department.
- E. TESL 490—1 hour

V. Major, Applied Linguistics—34 hours

- A. ALNG 220, 315, 325, 440—12 hours
- B. ICS 245, 320; ENG 450—9 hours
- C. External Study—9 to 12 hours through the Institute for International or Intercultural Studies or another program approved by the Language Department. Approved programs awarding less than 12 hours will require an advisor-approved elective to fulfill the 12-hour requirement.
- D. ALNG 490, Capstone—1 hour

VI. Teacher Licensure in English as a Second Language

- A. Major requirements as shown above.
- B. Professional Education: EDU 150, 250, 326, 423, 437; PSY 213, 318, 324; SE 225.
- C. Completion of applicable portions of the Praxis II.
- D. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

VII. Minor, Language and Culture Track—21 hours

- A. Select 6 hours: 211, 212, 213, 214, or Upper level course
- B. Select 3 hours: 311, 312, 316, 317, 411, 420, 421, 499, 395/495*
- C. Select 6 hours: 313, 325, 330, 430, 440, 395/495*
- D. Select 6 hours: 213, 319, 320, 419, 499, 395/495*
- E. B, C, or D above must include at least 3 hours at the 400 level

VIII. Minor, Literature and Culture Track—21 hours

- A. Select 6 hours: 211, 212, 213, 214, or any Upper level courses
- B. Select 6 hours: 311, 312, 316, 317, 411, 420, 421, 499, 395/495*
- C. Select 6 hours: 313, 325, 330, 430, 440, 395/495*
- D. Select 3 hours: 213, 319, 320, 419, 499, 395/495*
- E. B, C, or D above must include at least 3 hours at the 400 level

VIX. Minor, Teaching English as a Second Language—21 hours

- A. TESL 210, 220, 315, 320; ICS 320—15 hours
- B. TESL 410 or 440; EDU 423—6 hours

X. Minor, Applied Linguistics—22 hours

- A. ALNG 220, 325, 440—9 hours
- B. ICS 245 and 320—6 hours
- C. ALNG 490, Capstone—1 hour
- D. Select one Option
 1. Option 1/External Study: 3 to 6 hours through the IIIS or another program approved by the Language Department. Approved programs awarding 3 hours will require a Language Department Approved elective.
 2. Option 2: ALNG 315 and ENG 450

Applied Linguistics Program Guidelines

- Students majoring in any Applied Linguistics cannot double major/minor with TESL given the shared coursework approach
- The 12-credit hour external program component for the major will consist of an immersion experience involving intensive language study new to the learner approved by the department.
- The goal of the 12-credit hour external program component is not language proficiency gains as much as it is a self-reflexive experiential learning component that complements the broader program of study.
- Students may petition the Language Department to apply the 12-credit hour external program component in a second language as satisfying the University's BA-level core language requirement
- *The external program component has a pre-requisites: ALNG 220, 325; ICS 245, 320.

Assessment of Majors

All language majors must have oral proficiency in the target language equivalent to an ACTFL rating of "Intermediate High." This will be determined by the appropriate instructor through an individual interview to be conducted during the second semester of the junior year. Each student is responsible for scheduling the interview during the designated semester. See Department Chair for additional information.

Students presenting transfer or testing credit in language will be evaluated toward placement in the program and in possible application of those credits toward a language major or minor.

Course Offerings in Applied Linguistics (ALNG)

() Hours Credit; F-Fall, W-Winter, S-Spring, Su-Summer

220. Principles of Language and Acquisition (3) F

Reciprocal credit: TESL 220.

See TESL 220 for course description.

315. Critical Contexts of Language and Literacy (3) F

Reciprocal credit: TESL 315.

See TESL 315 for course description.

325. Introduction to Language Acquisition (3) F

Prerequisite: ALNG/TESL 220.

A study of the cognitive, psychological, and environmental factors related to human language acquisition, the complexities of multilingualism as it relates to acquisition, the similarities and differences between first and additional language acquisition, and the relationship between language acquisition and language learning.

Course Offerings in French (FRE)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

111-2. Beginning French (3) 111—F; 112—S

Fundamentals of pronunciation, conversation, grammar, and composition. FRE 111 cannot be taken for credit by students who have had three or more secondary school units. Three hours lecture and one hour lab per week.

211. Intermediate Conversation and Grammar (3) Every Fourth Semester

Prerequisite: FRE 112, 2 years high school FRE or demonstrated proficiency.

Conversation, listening comprehension, introduction to phonetics, grammar review.

212. Composition and Grammar (3) Every Fourth Semester

Prerequisite: FRE 112, 2 years high school FRE or demonstrated proficiency.

Review of fundamental grammar and continued development of higher level communicative skills with particular focus on strengthening writing and compositional skills.

213. Introduction to Francophone Cultures (3) Every Fourth Semester

Prerequisite: FRE 112, 2 years high school FRE or demonstrated proficiency.

Readings and other materials on selected aspects of Francophone cultures.

214. Readings in Literature and Culture (3) Every Fourth Semester

Prerequisite: FRE 112, 2 years high school FRE or demonstrated proficiency.

Development of reading skills necessary for analyzing texts representing a broad range of written sources.

Upper-level courses are offered on a 2 or 3-year rotation:

311. Survey of French Literature (3)

Prerequisite: One 200-level French course or equivalent proficiency.

Study of the literature of France from Chanson de Roland through the 18th century.

312. Survey of French Literature (3)

Prerequisite: One 200-level French course or equivalent proficiency.

Study of the literature of France from the beginning of the 19th century to the present. Lectures, readings, and reports.

313. Advanced Conversation (3)

Prerequisite: 6 hours of French at the 200 level or demonstrated proficiency.

Advanced oral communication skills with emphasis on recognizing and using appropriate register, interpersonal skills for different contexts, and non-verbal communication.

317. Survey of Francophone Literature (3)

Prerequisite: One 200-level French course or equivalent proficiency.

Study of French literature outside of France. Representative work from Canadian, African, Belgian, and Caribbean writers.

319. Historical Perspectives of the Francophone World (3)

Prerequisite: any 200-level course

Advanced study of Francophone perspectives on the historical development of the cultures of the French-speaking world.

320. French for Professional Contexts (3)

Intensive focus on oral and written communication skills through a variety of translation and interpretation practices including editing of prepared documents, preparation of professional documents in French, and professional protocol.

325. Phonetics and Diction (3)

Prerequisite: One 200-level course.

Pronunciation, intonation, patterns, and use of the International Phonetic Alphabet.

330. Advanced Grammar I (3)

Prerequisite: One 200-level course.

Comprehensive review of grammar with attention to advanced concepts and structures not covered in lower level courses. Development of writing skills and application of grammar concepts through composition.

417-8. Advanced French Studies (3)

Prerequisite: six hours of advanced French (or three hours and concurrent enrollment in three advanced hours other than 417-8) and permission of the department.

Supervised independent work specifically designed for individual student with content determined by the scope and quality of the student's prior work in French.

419. Francophone Cultural Studies (3)

Prerequisite: 213 or 319.

An examination of dynamics of culture in the Francophone world. Study of cultural systems, institutions, and practices.

420. Introduction to French Novel (3)

Prerequisite: One 200-level French course or equivalent proficiency.

Reading and analysis of representative novels in French.

421. Introduction to French Poetry (3)

Prerequisite: One 200-level French course or equivalent proficiency.

Study and analysis of poetry and representative texts from the Francophone world.

430. Grammar and Translation (3)

Prerequisite: FRE 330.

A history, theory, and practice of written translation, both from French to English and from English to French. The course will focus on how to translate medical and legal documents, letters, newspaper articles, commercial advertisements, and other materials.

Course Offerings in German (GER)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

111-2. Beginning German (3 and 3) As Needed

Fundamentals of pronunciation, conversation, grammar, and composition. GER 111 cannot be taken for credit by students who have had three or more secondary school units. Three hours lecture and one hour lab per week.

211-2. Intermediate German (3 and 3) As Needed

Prerequisite: GER 112 or demonstrated proficiency.

Review of grammar; reading of German texts; conversation and composition.

Course Offerings in Spanish (SPA)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

111-2. Beginning Spanish (3) 111—F, S; 112—F, S

Fundamentals of pronunciation, conversation, grammar, and composition. SPA 111 cannot be taken for credit by students who have had three or more secondary school units. Three hours lecture and one hour lab per week.

211. Intermediate Conversation and Grammar (3) Every Fourth Semester

Prerequisite: SPA 112, 2 or more years high school Spanish or demonstrated proficiency.

Conversation, listening comprehension, introduction to phonetics, grammar review.

212. Composition and Grammar (3) Every Fourth Semester

Prerequisite: SPA 112, 2 or more years high school Spanish or demonstrated proficiency.

Review of fundamental grammar and continued development of higher level communicative skills with particular focus on strengthening writing and compositional skills.

213. Introduction to Hispanic Cultures (3) Every Fourth Semester

Prerequisite: SPA 112, 2 or more years high school Spanish or demonstrated proficiency.

Readings and other materials on selected aspects of Spanish and Spanish American cultures.

214. Readings in Literature and Culture (3) Every Fourth Semester

Prerequisite: SPA 112, 2 or more years high school Spanish or demonstrated proficiency.

Development of reading skills necessary for analyzing texts representing a broad range of written sources.

Course Offerings in Biblical Languages (GRK and HBR)

For major and minor requirements and course offerings in Biblical Languages (Greek and Hebrew), see the School of Theology and Missions.

Course Offerings in Sign Language (SIG)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

101-2. Introduction to American Sign Language (3)

101—F; 102—S

Fundamentals of American Sign Language (ASL) including syntax, semantics, and pragmatics of signing as well as an introduction to deaf culture. These courses do not satisfy the core curriculum language requirement.

Upper level courses are offered on a 2 or 3-year rotation:

311. Survey of Spanish Literature (3)

Prerequisite: One 200-level Spanish course or equivalent proficiency.

Study of the literature of Spain from Poema de Mio Cid through the 17th century.

312. Survey of Spanish Literature (3)

Prerequisite: one 200 level Spanish course or equivalent proficiency.

Study of the literature of Spain from the beginning of the 18th century to the present.

313. Advanced Conversation (3)

Prerequisite: 6 hours of Spanish at the 200 level or demonstrated proficiency.

Advanced oral communication with emphasis on recognizing and using appropriate register, interpersonal skills for different contexts, and non-verbal communication.

316. Survey of Spanish American Literature to the 19th Century (3)

Prerequisite: One 200-level Spanish course or equivalent proficiency.

Representative Spanish American authors from the Conquest to the 19th Century.

317. Survey of Spanish American Literature from the 19th Century (3)

Prerequisite: One 200-level Spanish course or equivalent proficiency.

Representative Spanish American authors from the 19th Century to the present.

318. Historical Perspectives of the Hispanic World: Spain (3)

Prerequisite: any 200-level course

Advanced study of the historical development of Spanish culture.

319. Historical Perspectives of the Hispanic World (3)

Prerequisite: any 200-level course

Advanced study of Hispanic perspectives on the historical development of the cultures of the Spanish-speaking world.

320. Spanish for Professional Contexts (3)

Intensive focus on oral and written communication skills through a variety of translation and interpretation practices including editing of prepared documents, preparation of professional documents in Spanish, and professional protocol. Study of each Spanish-speaking country in terms of demographic and economic indicators.

325. Phonetics and Diction (3)

Prerequisite: One 200-level course.

Pronunciation, intonation, language patterns and use of the International Phonetic Alphabet.

330. Advanced Grammar I (3)

Prerequisite: One 200-level course.

Comprehensive review of grammar with attention to advanced concepts and structures not covered in lower level courses. Development of writing skills and application of grammar concepts through composition.

411. Introduction to Hispanic Drama (3)

Prerequisite: One 300-level course.

Reading and analysis of selected Hispanic plays. Study of drama as a literary genre.

417-8. Advanced Spanish Studies (3)

Prerequisite: Six hours of advanced Spanish (or three hours and concurrent enrollment in three advanced hours other than 417-8) and approval of the department.

Supervised independent work specifically designed for individual student with content determined by the scope and quality of the student's prior work in Spanish.

419. Hispanic Cultural Studies (3)

Prerequisite: 213 or 319.

An examination of underlying causes of cultural phenomena of the Hispanic world.

420. Introduction to the Hispanic Novel (3)

Prerequisite: One 200-level SPA or equivalent proficiency and instructor's consent.

Reading and analysis of representative novels in Spanish.

430. Grammar and Translation (3)

A history, theory, and practice of written translation, both from Spanish to English and from English to Spanish. The course will focus on how to translate medical and legal documents, letters, newspaper articles, commercial advertisements, and other materials. Additionally, there will be service-learning opportunities.

Course Offerings in Teaching English as a Second Language (TESL)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

210. Language & Content Tutoring (3) F

Considers such variables as memory, motivation, language skill, informal needs assessment and collaboration in developing an effective tutoring approach. Twenty-five clock hours of supervised tutoring are required at varying level and tutoring needs.

220. Principles of Language & Acquisition (3) S

Survey of language development, linguistics of English and other languages, psycholinguistic and sociolinguistic variables, and the differences between first and second language acquisition.

310. The Limited English Proficient Student in PreK-12 (3) As Needed

Prerequisite: TESL 210 & 220.

ESL theory and practice for incorporating LEP students of varying abilities into bi- and multilingual classrooms with focus on methods, approaches, strategies, learning styles and culture, and state/federal requirements for non-English background students. Examines the interaction between teacher, student, parent, and administration.

315. Critical Context of Literacy (3) F

Exploring 2nd language literacy from the critical perspective of linguistics, pedagogy, and language teacher education toward the design and teaching of literacy skills to language learners.

320. ESL Assessment (3) S

Prerequisite: TESL 210 & 220.

Examines issues in testing, assessment of language aptitude and competence, and use of results as well as the development of assessment tools.

410. Curriculum and Materials Development (3) F

Prerequisites: CSC 105 and TESL 320.

440. Theories of Language (3)

Prerequisite: TESL 210 & 220.

Psychological bases and processes of language acquisition and use, with emphasis on the relevance of current research for language learning and teaching. Studies language in its social context, social and regional variation, language change and change planning, and the implications of language variety for the transmission of literacy.

Available in multiple departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular departmental offerings.

260, 360, 460. Language Immersion (1-3)

Prerequisite: 112 or equivalent of the target language.

Language immersion experiences offered or approved by the department. May be repeated at any level and a maximum of 3 hours applied toward graduation.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

350. Instructional Methodology (1-3)

Prerequisite: One 300-level course. Corequisite: one additional 300 or 400-level course.

A supervised experience in foreign language instruction. Maximum of 3 hours to apply for graduation.

490. Capstone Seminar (1)

Prerequisite: One 300- or 400-level language course.

Capstone course required of all majors in the final semester of coursework in the major. Students will prepare and present a research project/paper based on work done concurrently in any 300- or 400-level course.

498-499. Seminar (1-3)

Examples include but are not limited to Critical Approaches to Culture and Literature, Romance Philology, and Language and Culture.

DEPARTMENT OF MATHEMATICS

COLLEGE OF ARTS AND SCIENCES

Faculty

Bryan Dawson (1998). Professor of Mathematics and Department Chair. B.S. and M.S., Pittsburg State University; Ph.D., University of North Texas.

Richard Dehn (1969). Associate Professor of Mathematics. B.S., University of Memphis; M.A.T., Purdue University; M.S., University of Arkansas, Additional study, University of Wisconsin, University of Arkansas, University of Missouri-Rolla.

Chris Hail (1995). Professor of Mathematics. B.S., Campbellsville College; M.A., Morehead State University; Ed.D., University of Kentucky.

Dwayne Jennings (1981). Associate Professor of Mathematics and Computer Science. B.S., Union University; M.S. (Mathematics) and M.S. (Computer Science), University of Memphis.

Matt Lunsford (1993). Professor of Mathematics. B.G.S., Louisiana Tech University; M.S., University of Nebraska; Ph.D., Tulane University.

George Moss (2009). Associate Professor of Mathematics and Assistant Dean of the College of Arts and Sciences. B.S., Auburn University; Ph.D., Virginia Polytechnic Institute and State University.

Michelle Nielsen (2010). Assistant Professor of Mathematics. B.A., Bethel University; M.S. and Ph.D., University of Minnesota.

Troy Riggs (1993, 2000). Professor of Mathematics. B.S., University of South Dakota; M.A., and Ph.D., University of Nebraska-Lincoln.

Mission Statement

Union's mathematics program seeks to further students in their quest for increased understanding of Creation and the created order and to equip students to serve God, church and society through excellence in thinking and the use of mathematics. We do this through a curriculum that develops the student's ability to think logically, analytically, and abstractly; to pursue a body of knowledge whose basis is independent of both empirical observation and culture; and to learn humility and a sense of wonder at the complexity, beauty, and applicability of mathematics.

Student Awards

A **Departmental Award** is given to the senior who places first in the Major Field Test for Mathematics as partial fulfillment of MAT 498.

The **Wolfram Research Inc. Award** is awarded to a freshman calculus student chosen by the Department of Mathematics based upon demonstrated outstanding achievement, enthusiasm, ingenuity, and creativity in mathematics.

Curriculum

The department offers a major in mathematics and minors in mathematics, mathematics with emphasis in statistics, and actuarial science. Students majoring in mathematics may select from the following tracks: mathematics, teacher licensure in mathematics for secondary education (grades 7-12), or actuarial science. The offerings of the major provide a foundation for beginning graduate study in mathematics, for entry into mathematics-related work fields, and for teaching mathematics at the secondary level. Students majoring or minoring in mathematics begin their academic credit towards the major or minor with courses numbered MAT 205 or above. Students having a four-year high school mathematics program that included trigonometry should be able to begin the calculus sequence in their first semester.

I. Major in Mathematics—35 hours

- A. MAT 207, 208, 211, 212, 213, 315 and 498 are required.
- B. Select one: MAT 411, MAT 415.
- C. Select 9 hours from junior or senior MAT courses.
- D. Independent Study (MAT 495) or Departmental Special Study (MAT 395) may be used for 3 of the 9 hours required in C.
- E. Prerequisites: PHY 231, and CSC 115 or 255.

II. Major in Mathematics with Discipline-Specific Honors—36 hours

- A. MAT 207, 208, 211, 212, 213, 315*—21 hours
- B. MAT 411* and MAT 415*—6 hours
- C. Upper Level MAT *Elective hours—6 hours
- D. Three 300 or 400 level MAT courses from * above taken under honors-contract, as approved by the department, to include 411 or 415 with at least two completed prior to the semester in which the honors project is completed—9 hours
- E. Independent Study (MAT 495) or Departmental Special Study (MAT 395) may be used for 3 of the 6 hours required in C.
- F. Attend at least 4 honors colloquia during each of the junior and senior years, as approved by the Director of the Honors Community.
- G. MAT 498—3 hours to include the honors project.
- H. Admissions Standards met and Progression Standards continue to be met throughout the program.
- I. Prerequisites: PHY 231, and CSC 115 or 255.

III. Teacher Licensure in Mathematics (Grades 7-12)

- A. Major requirements as shown above to include MAT 413.
- B. Professional Education: EDU 150, 250, 326, 422, 433; PSY 213, 318; SE 225.
- C. Completion of applicable portions of the Praxis II.
- D. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IV. Minor in Mathematics—21 hours

- A. MAT 211 and 212
- B. Select one: MAT 205, 207, 208, 213; CSC 115, 255
- C. 6 hours of upper-level MAT courses.
- D. The remaining must be 205 or higher.

V. Minor in Mathematics with an Emphasis in Statistics—20 or 21 hours

- A. MAT 211 and 212, 208, 305, and 405
- B. One of: MAT 213, 314, 315; CSC 115 or 255.

VI. Minor in Actuarial Science as earned with a Math Major—19 hours

- A. Prerequisites (applicable to major): MAT 211, 212, 213, 305, 315, 401, 402.
- B. ACC 211, 212; ECO 211, 212; FIN 320.
- C. ECO 411 or 412.
- D. MAT 400.

VII. Minor in Actuarial Science as earned with a Business Major and BSBA—21 hours

- A. Prerequisites (applicable to other requirements): ACC 211, 212; ECO 211, 212; FIN 320; ECO 411 or 412; MAT 208, 211; CSC 115 or 255. Note: In the BSBA core MAT 208 substitutes for MAT 114, and CSC 115 or 255 for 105.
- B. MAT 212, 213, 305, 315.
- C. MAT 400, 401, 402.

Admissions and Progression in the Major in Mathematics with Discipline-Specific Honors

Admission to the Program requires completion of at least 15 hours through Union University or transfer to include MAT 207 and MAT 213 with a minimum GPA of 3.50 both in all coursework and specifically in mathematics as well. Transfer students must complete at least one semester at Union University prior to application to include at least one course applicable to the major. Application is made during or immediately following the second semester of the sophomore year, or for a transfer student not at Union during the sophomore year, immediately following the first semester of the junior.

At least three full semesters, preferably four, must remain before graduation when application is made. The student makes application to the Office of the Director of the Honors Community but must be preceded by an appointment with the Chair of the Department of Mathematics.

To remain in the program the student must maintain the 3.50 minimum GPA both overall and in Mathematics, complete each honors contract course with a grade of B or better, and complete the requirements of the honors thesis in a timely manner as outlined below.

The honors contract for upper-level courses other than MAT 498 shall consist of work that helps the student develop skills in proving theorems and promotes understanding deeper than that required of other students. Possibilities include, but are not limited to, Option (1) completion of a collection of 20 proofs that are more difficult or probe the material more deeply than is required of other students, or Option (2) reading, understanding, and presenting a previously-published paper in the content area of the course. The department reserves the right to require an honors student to complete an honors contract of each type during the junior year. For each honors contract course, the student must:

- Come to agreement with the instructor of the course regarding the nature of the contract prior to the beginning of the course. Students are advised to contact the instructor prior to the end of the previous Fall or Spring Semester.
- Obtain the Department Chair's approval of the honors contract.

- Complete the required paperwork with the Office of the Director of the Honors Community prior to the first day of classes for the semester.

A student may petition the Department of Mathematics in writing to have his/her case reviewed for exception. The petition is submitted to the Chair and will be reviewed by a committee of three mathematics faculty.

No later than the beginning of classes for the 2nd semester prior to graduation (typically the beginning of the senior year), the student shall have chosen a project advisor and, in consultation with that advisor, a specific topic of study. The project advisor will guide the student through the timetable required to meet internal and external requirements for project development and completion. The requirements for the Honors Project/Thesis will be detailed in the student's syllabus for MAT 498 (3 hours).

A student failing to make sufficient progress in the honors thesis to meet the required timetable or is of insufficient quality shall be dismissed from departmental honors. Such determination is made concurrently with the thesis advisor, the department chair, and at least one additional faculty member. Assuming an honors contract course under Option (2) above has been satisfactorily completed, the student's enrollment in the 3-hr option of MAT 498 will be converted to the 2-hour option and a committee consisting of the department chair, the Option 2 honors contract course instructor, the honors thesis advisor, the instructor of MAT 498, and if necessary additional faculty (to have the minimum 3 members) will consider whether the Option (2) honors contract presentation is sufficient to meet the requirement of the MAT 498 project for non-honors students so the student's graduation will not be delayed.

Graduation with Discipline-Specific Honors in Mathematics requires the student must:

- Complete degree requirements with a minimum 3.50 mathematics GPA ,
- Complete each honors contract course with a grade of B or better,
- Present the project at the Union University Scholarship Symposium,
- Apply to present the project at an off-campus meeting, and
- Submit an article based on the project.

Application, contract forms and other information can be found at <http://www.uu.edu/dept/math/honors.cfm>.

Assessment of Majors

All senior mathematics majors must take the Major Field Test in mathematics as one requirement for MAT 498 (see below). Those majors completing a teacher licensure program are required to take the PRAXIS II.

Student Organizations

Kappa Mu Epsilon, honor society in mathematics, selects students who have achieved standards of

scholarship, professional merit, and academic distinction. A student must have completed 3 semesters' rank in the upper 35%, completed 3 courses in MAT, to include calculus, and have a minimum 3.0 Math GPA.

Sigma Zeta is a national honorary science society for those who have completed 15 hours in natural science and math with a minimum GPA of 3.0 in these courses.

Course Offerings in Mathematics (MAT)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

@101. Mathematics for Elementary Teachers (3) F, S

This course is designed to introduce the student to problem solving strategies and the real number system. Topics will include the whole numbers, integers, fractions and decimals, functions and coordinate geometry.

@107. Mathematics for the Liberal Arts (3) F, S

This course is designed to introduce the student to the basic concepts of several areas of mathematics. Topics of focus will include counting techniques, descriptive statistics, probability and geometry.

@*111. College Algebra (3) F, W, S; Su As Needed

Prerequisite: Two years of high school algebra.

Topics include equations in two variables, functions, graphing techniques, systems of equations and inequalities, exponential and logarithmic functions, matrices, and the theory of polynomial equations.

@*112. Plane Trigonometry (3) S—As Needed

Prerequisite: MAT 111.

Topics include the definition of the trigonometric functions, radian measure, linear and angular velocity, graphing techniques, trigonometric identities and equations, the inverse trigonometric functions, and solving triangles.

@114. Introduction to Statistics and Probability (3) F, W, S; Su—As Needed

Prerequisite: Two years of high school algebra.

Descriptive statistics with introduction to inferential statistics. Topics include organization of data into frequency distribution tables and histograms, measures of central tendency, standard deviation, basic probability, continuous distributions through the normal distribution, introduction to sampling theory and hypothesis testing.

@*116. Precalculus (4) F; S

Prerequisites: Two years of high school algebra and one of geometry.

An introduction to polynomial, exponential, logarithmic, trigonometric, circular and inverse circular functions. The course also includes trigonometric identities and basic analytic geometry. This course is intended for students planning to take MAT 211 and is not recommended for students who have taken MAT 111 and/or 112.

@201. Applied Calculus (3) As Needed

Prerequisite: MAT 111 or its equivalent.

Topics include a review of algebra principles, development of differential calculus with an emphasis on applications of the derivative to business and biological sciences, and an introduction to integral calculus with elementary applications of the definite integral. Is not recommended for students that have taken MAT 211-12.

205. Discrete Mathematics (3) F—As Needed

Prerequisite: MAT 111 or its equivalent.

Topics include elementary logic, sets, proof techniques including induction, relations and graphs, recurrence relations, basic counting techniques, equivalence relations, Boolean algebra, and algebraic structures.

207. Transition Mathematics (3) S

Corequisite: MAT 212

An introduction to abstract mathematical reasoning, including reading and writing proofs. Topics include logic, types of proofs, set theory, functions and relations.

208. Statistics (3) F; S—As Needed

Prerequisite: MAT 201 or 211.

This is a calculus-based statistics course. Topics include descriptive statistics, probability theory, discrete and continuous random variables, common discrete distributions, the normal distribution, sampling distributions, and applications to confidence interval estimates and hypothesis testing.

211. Calculus and Analytic Geometry I (4) F, S

Prerequisite: Pass Calculus Readiness Test or MAT 116.

Topics include basic concepts of plane analytic geometry, functions, limits, differentiation of algebraic and trigonometric functions, applications of the derivative, the indefinite and the definite integral, and the fundamental theorem of calculus.

212. Calculus and Analytic Geometry II (4) F, S

Prerequisite: MAT 211.

Topics include integration by substitution, numerical integration, applications of the definite integral, the calculus of transcendental functions, techniques of integration, and the calculus of parameterized curves.

213. Calculus and Analytic Geometry III (4) F, S

Prerequisite: MAT 212.

Topics include infinite series, polar coordinates, vectors in three-space, functions of several variables, partial derivatives, multiple integrals, and line integrals.

305. Statistical Methods (3) S—Odd Years

Prerequisite: MAT 208.

Parametric and non-parametric statistical methods with an emphasis on applications. Topics include correlation and regression, analysis of variance, Chi-square distribution, contingency tables, and applications to the social sciences, life sciences, and business.

310. History of Mathematics (3) S—Even Years

Prerequisite: MAT 212.

A survey of the major developments in the history of mathematics with special emphasis to the areas usually discussed in high school and undergraduate mathematics courses: geometry, algebra, trigonometry, and calculus.

314. Differential Equations (3) F, S

Prerequisite: MAT 213.

Topics include linear first-order differential equations and applications, higher-order differential equations, and applications.

315. Linear Algebra (3) S; W—As Needed

Prerequisite: MAT 212.

Topics include systems of linear equations, matrices, determinants, linear transformations, diagonalization of matrices, and major applications to business and the sciences.

320. Introduction to Complex Variables (3) F—Even Years

Prerequisite: MAT 213.

Algebraic properties of the complex number system, complex transformations, analytic functions, complex integration, residues, and series representations of functions.

360. Numerical Analysis (3) F—Odd Years or as Needed

Prerequisite: CSC 115 or 255; MAT 207 and 213.

Numerical computations, roots of equations, simultaneous nonlinear and linear simultaneous equations, numerical integration and differentiation, and power series calculations.

400. SOA Exam P Preparation (1) As Needed

Prerequisite: MAT 213 and 305.

Application of calculus and statistics to risk management problems relevant to the Society of Actuaries first exam. Sitting for the SOA Exam P is required for successful completion of the course. Pass/Fail.

401. Actuarial Mathematics I (3) As Needed

Prerequisite: MAT 400

Measures of interest, annuities-certain, amortization schedules, sinking funds and bonds. Introduction to life tables, life annuities and life insurance.

402. Actuarial Mathematics II (3) As Needed

Prerequisite: 401.

Actuarial models, including survival models, stochastic processes, and loss models. Applications to insurance and annuity contracts.

405. Mathematical Statistics (3) As Needed

Prerequisites: MAT 305 and 212.

A calculus-based introduction to the theory of probability and statistics. Topics include conditional probability and independence, random variables, mathematical expectations, discrete and continuous distributions, central limit theorem, and sampling theory.

411. Introduction to Analysis (3) Three-semester rotation

Prerequisite: MAT 207 and 213.

A proof-based course in traditional topics in real analysis, including the real number system, sequences, limits of functions, continuity, differentiation, and integration.

412. Analysis II

Prerequisite: MAT 411

A continuation of MAT 411. Topics include sequences of functions, infinite series, and further development of the theory of integration and other topics from MAT 411. Additional topics at the discretion of the instructor.

413. College Geometry (3) Three-semester rotation

Prerequisite: MAT 207 and 212.

Topics include axiomatic foundations of Euclidean and non-Euclidean geometry, models for incidence geometries, and development of theorems in the geometries of the Euclidean plane and the hyperbolic plane.

415. Abstract Algebra (3) Three-semester rotation

Prerequisite: MAT 207 and 212.

An introduction to the theory of groups and rings. Topics include elementary properties of groups and rings, permutation groups, cyclic groups, subgroups, Lagrange's theorem, normal subgroups, quotient groups, homomorphisms and isomorphisms, subrings, integral domains, fields, and characteristic.

416. Abstract Algebra II

Prerequisites: MAT 315 and 415

A continuation of MAT 415. Topics include polynomial rings, ideals, quotient rings, extension fields, and finite fields. Additional advanced algebra topics at the discretion of the instructor.

498. Mathematics Seminar (2 or 3) F

Prerequisite: 20 hours of MAT course work and Senior standing.

This course provides an appropriate setting for reviewing major topics in the mathematics curriculum and administering the Major Field Test, discussing how worldviews might contribute to our understanding of the Christian faith and demonstrating awareness of the nature of mathematics and its unifying principles through the presentation of current mathematical literature. The 3-credit option is reserved for students participating in discipline-specific honors.

* Six hours maximum may be applied toward graduation from MAT 111-2, 116.

@ Does not apply toward the major or minor.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s).

497-9. Seminar (1-3)

To be used at the discretion of the department.

DEPARTMENT OF MUSIC

COLLEGE OF ARTS AND SCIENCES

Faculty

Chris Mathews (2008). Associate Professor and Chair, Department of Music. B.M., Union University; M.M., Southwest Missouri State University; D.M.A., University of Kentucky.

Elizabeth Bedsole (1998). Professor of Music. B.M., Stetson University; M.C.M., Southwestern Baptist Theological Seminary; Ed.D., University of Illinois.

Ronald Boud (1996). Professor of Music and University Organist. B.M. and M.M., American Conservatory of Music; D.M.A., Southern Baptist Theological Seminary; Additional studies, Emory University, DePaul University, Julliard School of Music, Northern University, and Franz Schubert Institute.

David Dennis (1994). Professor of Music. B.A., Western Carolina University; M.C.M. and D.M.A., Southern Baptist Theological Seminary.

Michael Mann (2011). Assistant Professor of Music. B.M., Middle Tennessee State University; M.M., University of Miami.

C. David McClune (1981). University Professor of Music. B.M., Westminster College; M.M., Bowling Green State; D.M., Florida State University.

Terry McRoberts (1992). University Professor of Music. B.S., Manchester College; M.M., Youngstown State University; D.A., Ball State University.

Daniel Musselman (2010). Assistant Professor of Music. B.M., Bob Jones University; M.M., Westminster Choir College; D.M.A., University of Kansas.

Michael K. Penny (1988). Professor of Music. B.A. and M.M., Louisiana State University; D.M.A., Southwestern Baptist Theological Seminary; Additional study, Westminster Choir College.

Joshua Veltman (2004) Associate Professor of Music. B.A., Calvin College; M.A. and Ph.D., Ohio State University.

Stanley Warren (2004). Professor of Music. B.M. and M.M., Eastman School of Music; D.M.A., Southern Baptist Theological Seminary.

Georgia Wellborn (1989). Professor of Music. B.M., Carson Newman College; M.M., Florida State University; M.L.S., University of Tennessee; D.A., University of Mississippi; Additional study, Southwestern Baptist Theological Seminary, the University of North Texas, and Westminster Choir College.

Mission Statement

The mission of the Department of Music of Union University is to offer studies in music for all students and to enrich the cultural environment of the University and community. This mission is in keeping with a traditional liberal arts education.

Admission Requirements for Majors

An audition is required for admission to the Department as a major in any of the programs and in consideration for music scholarship funds. Criteria for admission include (1) demonstrated potential in a performance area, (2) basic musicianship, including sightreading skills, and (3) a clear sense of purpose as reflected in an interview as part of the audition process. Examinations in the areas of basic theory will be administered for placement into the correct theory courses. Functional keyboard examinations will be given to non-keyboard majors for keyboard placement.

Freshmen admitted to the department may declare any of the majors except performance. Students who wish to pursue the performance program will petition the applied faculty at the board examination at the conclusion of the second semester of study. The applied faculty will assess the student's achievement and potential and will admit the student to the performance major or recommend that the student choose another major within the department.

Transfer students with 8 or more hours in principal applied studies will register for MUS 250 during their first semester at Union. At the end of the semester, the student will perform a sophomore board examination to determine application of this course and future applied studies.

General Regulations For Students In The Department Of Music

In addition to the regulations included in this *Catalogue*, music majors and minors are responsible for following the procedures, policies, and guidelines provided in the *Department of Music Handbook*. Recital attendance requirements, applied lesson attendance policies, board examination and recital performance requirements, and other important material are included in the *Handbook*.

Ensemble requirements are based on degree, level, and principal applied area:

- Music Education/Choral Emphasis requires 7 semesters of choral ensembles.
- Music Education/Instrumental Emphasis requires 7 semesters of instrumental ensembles, excluding MUS 181-481 and 165-465.
- Church Music requires at least 6 semesters of choral ensembles; two other semesters may be fulfilled by any other ensembles for which the student is qualified. Keyboard principals are required to include 2 semesters of MUS 181-481 toward their ensemble requirement.

- Performance/Emphasis in Voice requires 8 semesters of choral ensembles.
- Performance/Emphasis in Piano requires 5 semesters of any ensemble and 3 semesters of MUS 230.
- Performance/Emphasis in Organ requires 6 semesters of any ensemble and 2 semesters of MUS 230.
- Theory requires 8 semesters of any ensemble for which the student is qualified. Keyboard principals only are required to complete 4 semesters of MUS 181-481 or MUS 230.
- B.A. Music Majors and B. Music Majors with an emphasis on Elective Studies outside the Music Department are required to complete 6 semesters of choral ensembles if voice principals or 6 semesters of instrumental ensembles if instrument principals. Keyboard principals are required to complete 2 semesters of piano ensembles, 2 semesters of MUS 230 and 2 semesters of any ensemble.
- Music Minors are required to complete 4 semesters of choral ensembles if voice principals or 4 semesters of instrumental ensembles if instrumental principals. Keyboard principals are required to complete 1 semester of piano ensemble, 1 semester of MUS 230 and 2 semesters of any ensemble.

Curriculum

The Department offers majors leading to the **Bachelor of Music** degree ongoing in Church Music, Music Education, Performance, and Theory; Elective Studies in the Music major with emphases in Christian Studies, Management, Marketing, and Communication Arts. The selection of an applied principal area of study is also required within each emphasis area. B.M. students are required to complete the General Core Curriculum, the B.M. Core (I. below) and the specified requirements of their chosen emphasis area. They are exempt from the requirement of a Specific Core Curriculum and from a minor; however, the ambitious student is not precluded from completing a minor. As shown below, Music Education majors will complete the Professional Education core in completing licensure requirements.

- I. Bachelor of Music Degree Required Core—52 hours:**
- MUS 103, 104, 111, 112, 203, 204, 211, 212, 220
 - Applied Music Studies—6 semesters 150-350, 12 hours and 399, Recital
 - MUS 311, 315, 316, 317, 340
 - Secondary Performance—MUS 221-222 (voice or instrumental principals) or MUS 129V (keyboard principals)—2 hours
 - Ensemble Experience—6 semesters, see “General Regulations for Students in the Department of Music.”
 - Recital Attendance, MUS 000—8 semesters except Music Education emphases which require 7 semesters

II. Major in Church Music

- Track for Voice or Instrumental Principals—29 hours + 52 hour core (I).
 - Additional Applied Studies—2 semesters, 4 hours (450)
 - Substitute MUS 399 with 499, Recital, in Music Core
 - Additional Ensemble Experience—2 semesters
 - Professional Church Music Courses—23 hours
 - MUS 116, 312, 313, 323, 324, 390, 419, 424, 430
 - MUS 206 (voice principals) or 129V (instrumental principals)—2 hours
- Track for Piano or Organ Principals—29-31 hours + 52 hour core (I).
 - Additional Applied Studies—2 semesters, 4 hours 450
 - Substitute MUS 399 with 499, Recital, in Music Core
 - Additional Ensemble Experience—2 semesters
 - MUS 116, 230, 419
 - MUS 215 and 219; or 325
 - Professional Church Music—17 hours
 - MUS 312, 313, 323, 324, 390, 424, 430

III. Major in Music Education

- Emphasis for Vocal/General Instructor—20 hours plus Professional Education Core, shown as 7. below and 52 hour core (I).
 - Additional Applied Studies—1 semester, 2 hours 450
 - Substitute MUS 399 with 499 in Music Core; omit MUS 317
 - Additional Ensemble Experience—1 semester
 - Professional Music Education: MUS 116, 302, 312, 313, 430; EDU 424
 - MUS 321, 322
 - Select two from MUS 237, 238, 241, 242—2 hours
 - Teacher Licensure for Vocal/General Music Grades K-12—28 hours
 - Major requirements as shown above
 - Professional Education: EDU 150, 326; PSY 213, 318; SE 225; EDU 435.
 - Completion of applicable portions of the Praxis II.
 - For additional information, see the Assistant Dean for Teacher Education and Accreditation.
- Emphasis for Instrumental/General Instructor—20 hours plus Professional Education Core, shown as 6. below and 52 hour core (I).
 - Additional Applied Studies—1 semester, 2 hours 450
 - Substitute MUS 399 with 499 in Music Core; omit MUS 317
 - Additional Ensemble Experience—1 semester
 - Professional Music Education courses: MUS 302, 313, 314, 440, 237, 238, 241, 242, 319; EDU 424; Substitute MUS 340 with 331 in Music Core.
 - MUS 205—1 hour

6. Teacher Licensure for Instrumental Music
Grades K- 12—28 hours
 - a. Major requirements as shown above
 - b. Professional Education: EDU 150, 326; PSY 213, 318; SE 225, EDU 435.
 - c. Completion of applicable portions of the Praxis II.
 - d. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IV. Major in Performance

- A. Emphasis for Voice Principals—29 hours and 52 hour core (I).
 1. Additional Ensemble Experience—2 semesters
 2. Additional Applied, 350—2 hours, Additional Applied, 450—6 hours, and MUS 499, Recital
 3. MUS 116, 206, 405, 406, 419
 4. MUS 498, Seminar: Performance Majors
 5. Foreign Language, 200 level, French or German—3 hours
 6. MUS 320, 420—4 hours
- B. Emphasis for Piano Principals—29 hours and 52 hour core (I).
 1. Additional Applied, 250-350—4 hours, Additional Applied, 450—6 hours, and MUS 499, Recital
 2. MUS 325, 415, 416
 3. Piano Ensembles, MUS 181-481—4 hours
 4. MUS 498, Seminar: Performance Majors
 5. Upper level academic MUS Electives—6 hours
 6. 2 Additional Ensembles—2 hours
- C. Emphasis for Organ Principals—29 hours and 52 hour core (I).
 1. Additional Applied, 250-350—4 hours, Additional Applied, 450—6 hours, and MUS 499, Recital
 2. MUS 215, 219, 417, 418
 3. Piano Ensembles, MUS 181-481—2 hours
 4. MUS 498, Seminar: Performance Majors
 5. Upper Level academic MUS Electives—6 hours
 6. 2 Additional Ensembles—2 hours

V. Major in Theory

- A. Emphasis for Voice Principals—27 hours and 52 hour core (I).
 1. Additional Applied Studies—2 semesters, 450—4 hours
 2. Substitute MUS 399 with 499, in Music Core
 3. Additional Ensemble Experience—2 semesters
 4. MUS 116—2 hours
 5. MUS 331—2 hours
 6. Upper-level Music Electives: UL Theory, and/or MUS 450C—10 hours
 7. MUS 490, Senior Project—4 hours
 8. Foreign Language, 200 level, French or German—3 hours
- B. Emphasis for Organ Principals—30 hours and 52 hour core (I).

1. Additional Applied Studies—2 semesters, 450—4 hours
 2. Substitute MUS 399 with 499, in Music Core
 3. Additional Ensemble Experience—2 semesters
 4. MUS 215, 219, 417
 5. MUS 331—2 hours
 6. Upper-level Music Electives: UL Theory, and/or MUS 450C—10 hours
 7. MUS 490, Senior Project—4 hours
 8. Foreign Language, 200 level, French or German—3 hours
- C. Emphasis for Piano Principals—27 hours and 52 hour core (I).
 1. Additional Applied Studies—2 semesters, 450—4 hours
 2. Substitute MUS 399 with 499 in Music Core
 3. Additional Ensemble Experience—2 semesters
 4. MUS 415
 5. MUS 331—2 hours
 6. Upper-level Music Electives: UL Theory, and/or MUS 450C—10 hours
 7. MUS 490, Senior Project—4 hours
 8. Foreign Language, 200 level, French or German—3 hours
 - D. Emphasis for Instrumental Principals—27 hours and 52 hour core (I).
 1. Additional Applied Studies—2 semesters, 450—4 hours
 2. Substitute MUS 399 with 499 in Music Core
 3. Additional Ensemble Experience—2 semesters
 4. Select Instrumental Methods—2 hours, from 237, 238, 241, 242, 314
 5. MUS 331—2 hours
 6. Upper-level Music Electives: UL Theory, and/or MUS 450C—10 hours
 7. MUS 490, Senior Project—4 hours
 8. Foreign Language, 200 level, French or German—3 hours

VI. Major in Music with Studies in one of the following areas, select one in addition to 52 hour core (I).

A. Emphasis in Christian Studies—31 hours

1. Select 8 MUS Elective hours from: MUS 312, 323, 324, 390, 424, 430.
2. Christian Studies Required Courses—23 hours
 - a. CHR 113, 305, 333, 338; 243 or 244; PHL 240
 - b. CHR 231 and UL Election—5 hours

B. Emphasis in Management—26 hours

1. Select 8 MUS Elective hours with advisor approval
2. Management Required Courses: MGT 310, 318, 341, 432
3. Select 6 Upper Level Elective hours from the School of Business.

C. Emphasis in Marketing—26 hours

1. Select 8 MUS Elective hours with advisor approval
2. MKT 328, 424, 440; MAT 114
3. Select 6 Upper Level Elective hours from the School of Business.

D. Elective Studies in Communication Arts—26 hours

1. Select 8 MUS Elective hours with advisor approval
2. Requirements from Communication Arts—18 hours
 - a. Select any 9 hours from COM courses.
 - b. Select 9 Upper Level COM hours.

The Department of Music offers one major leading to the **Bachelor of Arts** degree. In addition to General Core Curriculum and the Bachelor of Arts Specific Core, students desiring a major in music under the liberal arts degree must select a minor area of study outside the department of music. The student will select a principal area of applied study within the major.

Major in Music—48 hours

- I. MUS 103, 104, 111, 112, 203, 204, 211, 212
- II. MUS 220, 311, 315, 316
- III. Solo Performance Area Studies
 - A. MUS 150-350—6 semesters, 12 hours
 - B. MUS 399, Recital
- IV. Secondary Performance Studies: 221-222 (voice or instrumental principals) or 150V (keyboard principals)—2 hours
- V. Ensemble Experience—6 semesters
- VI. Recital Attendance, 6 semesters, MUS 000

Minor in Music—25 hours

- I. Applied Studies, MUS 150—4 hours
- II. MUS 111, 112, 103, 104, 220, 316
- III. Ensemble Experience—4 semesters
- IV. Recital Attendance, 4 semesters, MUS 000
- V. Select 3 hours from MUS 329, 429 or upper level “Theoretical” courses
- VI. Available to majors outside MUS Department

While fulfilling the requirements for any of the Bachelor of Music degrees, a student may also complete a minor in a second performing area. To do so, the student must successfully complete the following in the secondary performance area:

- I. An audition
- II. 4 semesters (8 hours) of applied lessons at the 150 and 250 levels
- III. An additional 4 hours in an applicable ensemble
- IV. A non-credit recital performance

The student whose primary certification is in Vocal/General Music Education, who also desires to complete dual certification in Instrumental/General Music Education, must complete MUS 319, MUS 440, and all instrumental methods courses (MUS 237, 238, 241, and 242) in addition to the minor in a secondary performance area (non-keyboard).

The student whose primary certification is in Instrumental/General Music Education, who also desires to complete dual certification in Vocal/General Music Education, must complete MUS 116, MUS 430, and both semesters of Advanced Class Piano in addition to the minor in voice.

Assessment of Majors

At the end of each semester of required applied study, the student is examined by a committee of the applied music faculty to determine if the student is sufficiently prepared to progress to the succeeding level of study. At the conclusion of the fourth semester the student will perform an applied examination for the faculty to determine if the student is prepared to enter upper level applied study. Each semester except the first, all music majors are required to appear in a public recital.

Student Organizations

Collegiate Music Education National Conference is the student affiliate of Music Education Conference, the premier organization for K-12 music educators.

Pi Kappa Lambda National Music Honor Society elects outstanding juniors and seniors to membership on the basis of musicianship and scholarship.

Course Offerings in Music (MUS)

() Hours Credit; F—Fall, W—Winter; S—Spring; Su—Summer

Theoretical Courses**103. Ear Training and Sight Singing I (1) F**

Corequisite: MUS 111.

Development of rudimentary music reading and aural skills. Use of computer applications outside of class.

104. Ear Training and Sight Singing II (1) S

Corequisite: MUS 112.

Further development of music reading and aural skills. Use of computer applications outside of class.

111. Music Theory I (3) F

Studies in pitch, intervals, scales, modes, triads, seventh chords, rhythm, and rudimentary partwriting in four parts (SATB) are undertaken. Placement by examination.

112. Music Theory II (3) S

Prerequisite: MUS 111.

Comprehensive study and application of voice-leading techniques related to the harmonic and melodic material associated with music of the Common Practice Period. Composition exercises will be realized within the choral idiom and will involve realization of figured bass as well as harmonization of unfigured bass lines and melodies. Harmonic progression, diatonic triads in 1st and 2nd inversion, basic form determinants, introductory dominant-function sonorities, and non-harmonic tones will be studied.

116. Singers Diction I (2) S

An introduction to International Phonetic Alphabet symbols as they apply to pronunciation for singing. An introduction to pronunciation and application of rules for singing in Italian, Church Latin, and English.

203. Ear Training and Sight Singing III (1) F

Corequisite: MUS 211.

Development of advanced music reading and aural skills. Use of computer applications outside of class.

204. Ear Training and Sight Singing IV (1) S

Corequisite: MUS 212.

Further development of advanced music reading and aural skills. Use of computer applications outside of class.

205. Vocal Methods I for Instrumental Music Education Majors (1) F

Basic instruction in singing and the teaching of singing, designed for Music Education majors whose primary instrument is not voice. The class meets 2 hours each week.

206. Singers Diction II (2) F

An introduction to pronunciation, application of rules for singing in French and German.

207. Vocal Methods II for Instrumental Music Education Majors (1) S

Prerequisite: MUS 205.

Sequel to Vocal Methods I.

211. Music Theory III (3) F

Prerequisite: MUS 112.

Continuation of MUS 112. Chromaticism and associated harmonic constructions for the dominant-function and pre-dominant-function type, secondary functions, modulation techniques, and modal mixture.

212. Music Theory IV (3) S

Prerequisite: MUS 211.

Comprehensive study of advanced chromatic harmony in tonal music of the Common Practice Period. The gradual dissolution of the tonal system and an introduction to basic 20th century compositional practices will be included with the mastery of elementary analytical skills, effective and articulate communication of theoretical ideas, and formal analytical discovery.

215. Service Playing I (1) F

A course designed to assist organists in the building of a worship service; hymn, anthem, and solo accompanying; and modulation.

216. Music Appreciation (3) F

Musical trends throughout the world and the ages. Included: contemporary music for all types as well as art/classical music and music of other cultures. For non-music majors only.

219. Service Playing II (2) S

Prerequisite: MUS 215.

Advanced service playing skills including oratorio accompaniment and figured bass playing.

220. Survey of Music Literature (3) S

Prerequisite: MUS 112.

Introduction to the historical styles of music through listening and score-reading to build a working knowledge of a basic music repertory through listening and score study. Attendance at and review of music performances will be required.

237. String Methods (1) S—Odd Years

A class of string instruments is conducted as an introduction to the teaching of stringed instruments.

238. Woodwind Methods (1) F—Odd Years

A class in the fundamental concepts of teaching and playing the clarinet and saxophone. Emphasis is on the methods for teaching beginning school band programs.

241. Brass Methods (1) F—Even Years

A class in low brass instruments is conducted as an introduction to the teaching and playing techniques used in class teaching.

242. Percussion Methods (1) S—Even Years

A class in percussion instruments conducted as an introduction to the teaching of the instruments in this family.

301. Computer Music Sequencing (2) W

An introduction to music sequencing using computer sequencing programs and MIDI controlled synthesizers.

302. Technology for Musicians (3) F

Through study and laboratory experience, students become familiar with the capabilities of technology as they relate to composition, performance, analysis, teaching, and research. Review of basics of computer use: word processing, databases, spreadsheets, presentation software, desktop publishing, and Internet access as well as music sequencing, notation, improvisation, performance software, and music education software.

311. Conducting I (2) F

Prerequisite: MUS 211 or consent of instructor.

An introductory study of the grammar of conducting aimed at developing a usable repertoire of basic conducting patterns and styles. Techniques of conducting with and without the baton are included.

312. Conducting II (Choral) (2) S

A continuation of MUS 311 with an emphasis on applying the grammar of conducting to a choral setting. The course will introduce elements of choral rehearsal techniques but will focus on gaining increasing proficiency in conducting skills that are necessary for clear communication with the choir.

313. Elementary Music Methods & Materials (3) S

Methods and materials for teaching children music in grades kindergarten through six. Includes demonstration and observation of teaching at this level. Designed primarily for the music education major, this course involves study of a well-balanced program of singing, listening, rhythmic, creative, and instrumental activities.

314. Conducting II (Instrumental) (2) S

A continuation of MUS 311 with an emphasis on applying the grammar of conducting to an instrumental setting. The course will introduce elements of instrumental rehearsal techniques but will focus on gaining increasing proficiency in conducting skills that are necessary for clear communication with the instrumental ensemble.

315. History of Music I (3) F

Prerequisite: MUS 112 and MUS 220.

Survey of music from the Greeks to the Baroque c. 1700 with emphasis on the changing styles and forms of music through the study of compositions, composers, treatises, instruments, and performance practices. Extensive use of recordings and listening.

316. History of Music II (3) S

Prerequisite: MUS 315.

Survey of music from the late Baroque to the present day, with emphasis on the changing styles and forms of music through the study of compositions, composers, treatises, instruments, and performance practices. Extensive use of recordings and listening.

317. Form and Analysis (2) F

Prerequisite: MUS 212.

A comprehensive study of single movement forms drawn from a variety of musical periods. The ability to articulate musical ideas in both oral and written contexts will be the primary goal of this course.

318. Seminar in Form and Analysis (2) S

Prerequisite: MUS 317.

A study of single and multi-movement works drawn from a variety of musical periods. Selection of works studied will be guided in part by participants. The ability to articulate musical ideas in both oral and written contexts will be the primary goal of this course.

319. Marching Band Techniques (1) F—Even Years

A comprehensive study of the organizational and musical techniques employed by the school marching band director, to include a survey of field and street procedures, precision drill, half-time pageantry, and study of the routines and music advocated by Casevant, Wright Bockman, Cacavas, and others. Included within the content of this study will be class lectures and guided observation of selected area bands, parades, half-time shows, contests, and festivals.

323. Hymnology (3) S—Odd Years

Analysis and appreciation of the great hymns of the church. A study of their sources, development, and use in services of today. Students will study the music of hymns so the ability to read a single line of music is helpful.

324. Foundations in Church Music (3) S—Even Years

Biblical, theological, and philosophical foundations for music ministry, including studies in historical and contemporary Christian worship and practical aspects: time management, staff relations, budgeting and training of volunteer leaders in the church program. Requires field observation (30 hours) in a local church music program.

331. Orchestration (2) F

Prerequisite: MUS 212.

The individual characteristics of various instruments of the modern orchestra. The arrangement for orchestra and band of original or standard compositions and arrangements for ensemble groups, preparation of orchestral, band, and choral ensemble scores, calligraphy, music copy and layout, reproduction processes, and copyright law.

340. Arranging and Composing Methods (2) S

Prerequisite: MUS 211-2.

An introductory study of composition and arranging aimed at developing usable skills to compose, arrange, and adapt music from a variety of sources to meet the demands and ability levels of the contemporary music scene.

341. Symphonic Literature (3) S—As Needed

Prerequisite: MUS 212.

Major works of the symphonic idiom from early Viennese beginnings to 20th century.

390. Church Music Internship (2) F, S

This course provides an opportunity for the student to gain practical experience in a church music ministry setting, with guidance and supervision provided by the local minister of music and a faculty member. The internship program entails approximately ten hours per week in the placement setting and a weekly class meeting.

405. Vocal Literature I (2) F—As Needed

Survey examination of the solo song in western music with particular attention to early Italian and British song and the development of the German *lied*.

406. Vocal Literature II (2) S—As Needed

Survey examination of the solo song in western music with particular attention to the development of the French *melodie* and 20th century British and American art song.

410. Counterpoint (3) As Needed

Prerequisite: MUS 212.

The study of contrapuntal techniques of the 16th, 18th, and 20th centuries.

415. Piano Pedagogy (2) F—Even Years

Prerequisite: Junior piano major standing or consent of instructor.

Professional, practical, and ethical considerations of private piano teaching. In-depth analysis of teaching materials. Compilation of a large body of resource materials will be a major project. Supervised teaching of the beginning piano student.

416. Piano Literature (2) F—Odd Years

Prerequisite: Junior piano major standing or consent of instructor.

A survey of the standard literature for piano. Approach will be mainly historical. Assigned record listening, examination of variant scores, and classroom performance of musical selections. Each student will complete a research project.

417. Organ Pedagogy (2) F—As Needed
A course of instruction for organ majors of advanced standing, considering the methods and materials for teaching organ.

418. Organ Literature (2) S—As Needed
Instruction for organ majors of advanced standing, considering the literature for the organ.

419. Vocal Pedagogy (2) F—As Needed
Concepts in the teaching of applied voice with emphasis on the beginning student.

423. 20th Century Literature (3) As Needed
Prerequisite: MUS 211-2 or consent of instructor.
A study of music of the 20th century from Impressionism to the present. All media of performance will be investigated.

424. Church Music Education (2) S—Odd Years
Organizing and leading comprehensive church music ministry. Topics: preschool/children's choir organization and leadership, instrumental ministry, scheduling, promotion, and integrating the ministry with other Christian education programs in church.

430. Advanced Choral Techniques (2) F
Prerequisite: MUS 312.
Advanced studies in choral conducting techniques including methods for addressing vocal techniques, diction, blend, balance, intonation, choral musicianship, and solving technical problems in the context of the choral rehearsal. Includes significant studies in vocal pedagogy, score analysis, and conducting of rehearsals.

440. Advanced Instrumental Techniques (2) F
Advanced studies in instrumental conducting, including methods for addressing complex musical problems in the context of rehearsal. Includes extensive score analysis, rehearsals, methods and materials, supervision of ensembles, selection and maintenance of instruments, class organization, scheduling, courses of study, and preparation for public performances, contests, and festivals.

490. Theory/Literature Senior Project (2) F, S
The senior project will consist of either a publicly performed, original composition, 20-30 minutes in length, or a research paper that treats a single historical or analytical problem in a comprehensive manner. The composition or paper will be evaluated at the end of the senior year by a faculty committee of three members.

179-279-379-479. External Domestic Study Programs (1-3) As Needed
All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)
All courses and their applications must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)
Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)
Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4)
Individual research under the guidance of a faculty member(s).

498-9. Seminar (1-3)
To be used at the discretion of the department.

Applied Music

Individual applied music study is offered F, W, S, Su unless otherwise indicated and in all the areas listed below:

Bassoon	Oboe	Trombone or
Clarinet	Organ	Euphonium
Flute	Percussion	Trumpet or
Guitar	Piano	Cornet
Harp	Saxophone	Tuba
Horn	Strings	Voice

000. Recital Attendance

A pass/fail, non-credit course required of all music majors and minors.

121-2, 221-2. Class Piano (1 each) F, S Sequence
For the non-keyboard music majors to provide functional skills, including harmonizing, transposing, accompanying, improvising, playing by ear, and score reading. The course is organized on the premise that the first needs of the students are to learn to read fluently in all keys and to develop quickly a technical facility that allows them to play easily and musically. To be taken concurrently with MUS 111-2, 211-2.

131. Class Voice (1) S

A course designed for music majors whose applied area is other than voice. Fundamentals of diction and vocal production will be stressed.

136. Beginning Guitar Class (1) F

Small group instruction for the beginning guitarist. Music reading skills are not required. Topics: chording, basic picking patterns, basic chord reading skills. Not applicable to MUS major/minor.

213. Class Piano (1) Pass/Fail F

Course content is the same as MUS 214, but offered on a pass/fail basis.

214. Graded Class Piano (1) F

For non-music majors with little or no piano background. Emphasis on reading skills and basic technique needed for church, classroom, and personal enjoyment.

325. Class Piano (1) W

For keyboard majors only to develop functional skills: sight-reading, harmonizing, transposing, accompanying, and improvising. Meets twice weekly.

001I, 001K, 001V. Non-Credit Applied Music

Individual applied lessons for students who do not need or desire university credit. For billing purposes this will be treated as a 1-credit course be repeated.

001I—brass, woodwind, strings, percussion or guitar

001K—piano or organ

001V—voice

129I-429I, 129K-429K, 129V-429V. Applied Music for Elective (1-2)

Individual applied instruction for the elective student and music major/minors in a performing area outside their principal area. Music minors may register at 300 level in their principal area after completing 4 hours of 150, 250. Permission of instructor required.

129I, 229I, 329I, 429I—brass, woodwind, strings, percussion or guitar

129K, 229K, 329K, 429K—piano or organ

129V, 229V, 329V, 429V—voice

MUS 150I-450I, 150K-450K, 150V-450V. Applied Music (1-3)

Individual applied lessons for students who have been admitted to a music major or minor program in their principal area. Requires a board examination or juried recital performance. Permission required to enroll for 3 hours.

150I, 250I, 350I 450I—brass, woodwind, strings, percussion or guitar

150K, 250K, 350K, 450K—piano or organ

150V, 250V, 350V, 450V—voice

MUS 160I, 160K, 160V. Applied Music for Pass/Fail (1)

Individual applied instruction offered on a pass/fail basis. May be taken for a maximum of 2 semesters.

160I—brass, woodwind, strings, percussion or guitar

160K—piano or organ

160V—voice

321-2. Advanced Class Piano I and II (1 each) F, S Sequence

Prerequisite: MUS 222 for 321; 321 for 322.

Piano skills required of the choral technician and music educator, including demonstrating and accompanying vocal exercises in all keys, performing octavo accompaniments, rendering of at least 2 voices in open score, realization of chord charts, improvisation of melody and accompaniment, and basic transposition.

399. Recital (1)

Corequisite: MUS 350.

Public performance in recital approximately one-half hour in length. Prerequisite: Junior standing in applied music.

450C. Composition (1-2) F, S

Compositional study in small forms.

499. Recital (1)

Corequisite: MUS 450

Public performance in recital approximately one hour in length. Due to student teaching requirements the senior recital of students in the Music Education (Choral) program may be altered as to length and date at the discretion of the applied teacher.

Ensembles

All are offered F, S unless otherwise indicated.

100, 200, 300, 400. Jazz Band (1)

Admission by audition due to restricted instrumentation. Various phases of organization, techniques, literature, interpretation involved in professional demands on modern jazz artists. Performances include on and off campus activities. Meets once each week for two-hour rehearsal.

108, 208, 308, 408. Choral Union (1)

Choral ensemble open to university students, faculty, and staff and to community singers. This ensemble draws from a wide variety of repertoire and performs in at least one concert each semester and on occasion for the University Chapel and services of area churches.

135, 235, 335, 435. Symphonic Band (1)

A large traditional Symphonic Band open to all Union students. The band literature is chosen to represent the various historical and musical styles of excellent wind literature. Concerts are performed each semester. Rehearses three times a week.

155, 255, 355, 455. Chamber Ensembles (1)

Performance of literature for various combinations of voices and/or instruments composed specifically for smaller groups. Meets twice each week.

165, 265, 365, 465. Union University Handbell Choir (1)

Admission by audition. The choir will ring literature for 3-5 octaves of English handbells, using various ringing and damping techniques and special effects. The Choir will perform in churches, schools, and on campus. Rehearsals are held 3 times weekly.

181, 281, 381, 481. Piano Ensembles (1)

Small piano groups organized for instruction in playing music for more than one piano as well as for playing piano duets and trios. Meets twice weekly.

191, 291, 391, 491. Union University Singers (1)

Prerequisite: Successful audition.

This ensemble performs unaccompanied and accompanied choral literature drawn from various periods, styles, and cultural bodies of repertoire. Singers present performances as part of a spring tour of churches and schools, occasional performances in local venues, and with The Jackson Symphony Orchestra.

230. Accompanying (1) S

Accompanying art song, operatic and oratorio selections, and various instrumental works.

320, 420. Opera Workshop (1) F

Performance of opera scenes and arias or of full operas. Materials for performance will be chosen according to the skills and abilities of those in the course.

DEPARTMENT OF PHYSICS

COLLEGE OF ARTS AND SCIENCES

Faculty

William Nettles (2006). Professor of Physics, Department Chair, and Associate Dean of the College of Arts and Sciences. B.S., Mississippi College; M.S., and Ph.D., Vanderbilt University.

Ildefonso Guilaran (2008). Associate Professor of Physics. B.S., Western Kentucky University; M.S. and Ph.D., Florida State University.

Geoffrey Poore (2010). Assistant Professor of Physics. B.A., Wheaton College; M.S. and Ph.D., University of Illinois.

David A. Ward (1992, 1999). Professor of Physics, B.S. and M.A., University of South Florida; Ph.D., North Carolina State University.

Curriculum

The programs offered by the Department of Physics are designed to help students understand the physical world by examining the laws which describe the interactions throughout the universe, the methods by which the cosmos can be studied, and the relationship of physics to other aspects of human experience. The department offers courses that effectively serve all students within the institution, recognizing that each student's needs and career goals may be different. The curriculum is designed to provide content of the appropriate level and diversity for students classified as physics majors/minors, non-science majors, engineers, pre-professionals, and those preparing for a teaching career in secondary school. The faculty endeavor to create an atmosphere in which students are challenged to acquire problem-solving skills using advanced mathematics and modern methods in science. Students are encouraged to develop in-depth analytical skills and an attitude of scientific curiosity while maintaining a Christian worldview. In summary, the physics curriculum provides liberal arts students with a working knowledge of science and meets the career needs of students who wish to:

- pursue a teaching career in elementary or secondary school;
- enter engineering, one of the health professions, or an allied health field;
- become a professional/industrial physicist; or
- continue study of physics or a related field at the graduate level.

I. Major in Physics—38 hours

- A. Physics 231-232, 311, 430, 424 (1-3 hours), 498—19-21 hours
- B. Select 6 or more courses: PHY 262, 313, 314, 325, 360, 395-6-7*, 400, 410, 420, 425 (1-2 hours**), 495*
- C. Prerequisites: MAT 211, 212, 213, 314
*Must be approved Special/Independent Studies
**Maximum 3 hours from 424 and 425 apply to major.

II. Major in Engineering Physics—64 or 65 hours

- A. Prerequisites: CHE 111, 112; CSC 255; ECO 211; MAT 211, 212, 213, 314, 315
- B. PHY 231, 232, 262, 311, 313, 314, 325—27 hours
- C. One of PHY 400, 410, 420, 430—3 hours
- D. PHY 360 or EGR 360—3 hours
- E. Two of EGR 101, 105, 109—4 or 5 hours
- F. EGR 210, 250, 240, 261, 342, 491—19 hours
- G. Select 7 hours from one of the groups:
 1. Group 1: EGR 361, 375, 405, 416, 475
 2. Group 2: EGR 320, 385, 450, 456, 470, 475
- H. EGR 498 or PHY 498—1 hour
- I. No additional minor is required with the EGR PHY major because prerequisites in math earn minor in math.

III. Major in Physical Science—44 hours

- A. CHE 111, 112, 113, 211, 221—15 hours
- B. PHY 112, 231-32, 311, 310 or 301—22 hours
- C. Upper Level Electives from CHE & PHY—7 hours; maximum 1 hour from 424 and 1 from 498

IV. Minor in Physics—24 semester hours

- Physics 231-232, 311, + 10 hours of Physics electives except PHY 111, 112, 301, 310

V. Teacher Licensure in Physics (Grades 7-12)

- A. Complete the requirements shown above for the Physics or Physical Science major.
 1. Physics majors must select PHY 262, 313, 325 from the elective list and must also take CHE 105 or 111; CSC 105 or 115; MAT 114 or 208; and PHY 112 and 310.
 2. Physical Science majors must select PHY 325, 430, and 424 from the elective list and must also take CSC 105 or 115; MAT 212; MAT 114 or 208.
- B. Physics teacher candidates must hold membership in the Society of Physics Students.
- C. Professional Education: EDU 150, 250, 326, 418, 433, PSY 213, 318, SE 225.
- D. Complete the applicable portions of the Praxis II.
- E. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

Assessment of Major

All Physics majors are required to take a research class, PHY 424, and a seminar class, PHY 498, in which presentations are made and students are questioned orally. Seniors must also take the Major Field Examination in physics and if seeking teacher licensure, complete the required education tests such as PRAXIS.

Student Organizations

The **Society of Physics Students (SPS)** stimulates an awareness of physics and the related sciences, and acquaints students with professional opportunities within the discipline. The organization promotes professionalism and pride in the physical sciences and assists students in studying, preparing, and presenting technical material. Membership is open to any student interested in physics.

Student Awards

The **Physics Research Award** is given by the faculty of the Department of Physics to the student who presents the best research paper of the year. The research must have been an original work and must be presented at a state, regional, or national professional meeting prior to the graduation.

The **Freshman Physics Award** is given to the freshman student completing PHY 231-232 who has shown outstanding scholastic achievement, Christian service, and school spirit.

The **Kyle L. Hathcox Memorial Physics Award** is given annually to the junior or senior student majoring or minoring in Physics. In addition to meeting specific academic criteria, the student will demonstrate excellence and decorum consistent with the faith heritage of Union University and consistent with the legacy of Dr. Hathcox, whose priorities have been aptly described as “faith, family, and physics.”

Course Offerings in Physics (PHY)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

111. Principles of the Physical Sciences (4) F, W, S

Introduction to physics and chemistry for non-science majors including their historical, philosophical, and social significance. Exercises are indicative of various scientific methods. Knowledge of basic algebra is assumed. Science credit will not be given after completion of a course in either CHE or PHY. Three lectures, one 2-hour laboratory/week.

112. Earth and Space Science (4) F, W, Su—As Needed

Reciprocal credit: GEO 112.

Earth science and astronomy: their nature, history, divisions, and relation to other sciences. The physical laws of nature will be examined as they apply to physical geography, meteorology, and astronomy. Three lectures, one 2-hour laboratory/week.

213-4. Introduction to Physics (4) 213—F, Su; 214—S, Su

Prerequisite: MAT 111& 112, or 116.

The first semester involves the study of classical mechanics, wave motion, fluid flow, sound, temperature, and heat. The second involves the study of electricity, magnetism, light, optics, and modern physics. Cannot be used as a PHY Elective toward majors/minors. Three lectures, one 3-hour laboratory/week.

231-2. University Physics I, II with Calculus (5)

231—F; 232—F, S

Prerequisite to 231: MAT 211. Pre- or Corequisite to 232: MAT 212.

The first semester involves the study of classical mechanics, wave motion, fluid flow and sound. The second involves the study of temperature and heat, electricity, magnetism, light and optics. Four lectures, one laboratory/week.

262. Electrical and Electronic Circuits (4)

Prerequisite: PHY 232 and MAT 212. Reciprocal credit: EGR 262. See EGR 262 for description.

301. Perspectives in Science (4)

Prerequisite: PHY 111-2. Reciprocal credit: CHE 301.

The study of science from a historical and philosophical perspective in an interdisciplinary manner, exploring the complementarity of physical and biological sciences, while addressing relationships to other disciplines such as art, religion, and politics. Examines the role of science in global issues and life issues. Three lecture, 2 lab hours/week.

310. Energy, Environment, and Society (4)

Prerequisite: PHY 111.

A non-technical course for the general student presenting a broad view of energy and its relationship to man and the environment. Topics: past and future demands, energy sources, storage and transportation of energy, environmental considerations, conservation, politics, economics, and national policy. Three lectures, 3 lab hours/week.

311. University Physics: Modern Physics (4) F

Prerequisite: MAT 212 & PHY 232.

An introduction to special relativity, quantum mechanics, atomic, and nuclear physics. The laboratory involves investigations in radioactivity, as well as performing some of the classic experiments of modern physics. Three lectures, one 3-hour lab/week.

312. The World of Water (4) S

This course is a survey of water, its nature and properties, its role in the physical world, and its role in human society. The uses of water by individuals and societies will be addressed. Ramifications and applications range from international geopolitics to designing a water pump system for a well. Cannot be used as an elective toward PHY major/minor.

313. Intermediate Mechanics (3)

Prerequisite: PHY 232 & MAT 212.

Introduction to rectilinear and curvilinear dynamics of particles and rigid bodies; both Lagrangian and Hamiltonian formulations of mechanics will be developed and applied.

314. Intermediate Electricity and Magnetism (3)

Prerequisites: MAT 212 & PHY 232.

Electric and magnetic fields both in media and a vacuum. Maxwell's equations are used to determine electromagnetic fields produced by a variety of charge and current distributions.

325. Thermodynamics & Statistical Mechanics (3)

Prerequisites: MAT 212 & PHY 232.

An intermediate survey of heat and thermodynamics including the concepts of temperature and heat, the laws of thermodynamics, thermodynamics potentials, the Maxwell relations and statistical methods applied to the thermodynamics of various states of matter, including gases, liquids, and quantum fluids.

360. Mathematical Methods in Physics (3)

Prerequisites: MAT 213, PHY 232.

Special differential equations, complex number analysis, linear algebra, group theory and Fourier analysis applied to advanced topics in physics.

400. Optics and Lasers (3) S

Prerequisites: MAT 213, PHY 232.

Analyzes the behavior of electromagnetic radiation, emphasizing geometrical optics and instrumentation. The role of optics in spectroscopic measurements will be highlighted by discussing polarization and diffraction. Includes an introduction to laser physics and operations using systems, including excimer and neodymium-YAG lasers.

410. Nuclear Physics (3)

Prerequisites: MAT 213 and PHY 311.

A study of the atomic nucleus, including its constituents, interactions and energies. Radiative processes, angular momentum, and practical applications such as astrophysics, medical physics, energy production, and environmental physics.

416. Physical Principles of Solid State Devices (3)

Prerequisites: PHY 262 and 311. Reciprocal credit: EGR 416. See EGR 416 for description.

420. Quantum Mechanics (3)

Prerequisites: PHY 311 & MAT 314.

Fundamental principles of quantum mechanics, methods of calculation, and solutions to Schrodinger's equation. Applications to atomic, molecular, and nuclear physics with an introduction to operator notation. Three lecture hours/week.

424-425. Physics Research (1-3) F, S

Prerequisite: PHY 311.

Application of a simple piece of original work to include a literature search and summary paper on a topic of current interest in physics. Under faculty supervision, this work may be done off site at a national laboratory or comparable research facility.

430. Experimental Physics Laboratory (3)

Prerequisites: PHY 311 & MAT 213.

Modern experimentation, research, data acquisition and analysis. The theory, practice and reporting of research in a scientific format are demonstrated through experiments in atomic, nuclear, solid state, thermodynamics, and optics. One lecture, 4 lab hours/week.

498. Seminar (1-3) S

Prerequisite: 20 hours of physics and junior/senior standing. Skills in scientific and technical presentations, written and oral, will be polished. To be used at the discretion of the department for majors/minors only.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand**295-6-7. Special Studies (1-4) On Demand**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual study under the guidance of a faculty member(s).

498-9. Seminar (1-3) As Needed

To be used at the discretion of the department.

DEPARTMENT OF POLITICAL SCIENCE

COLLEGE OF ARTS AND SCIENCES

Faculty

Sean Evans (2000). Associate Professor of Political Science and Department Chair. B.A., David Lipscomb University; M.A., University of Alabama; Ph.D., University of Colorado.

Hunter Baker (2010). Associate Professor of Political Science and Acting Dean of the College of Arts and Sciences. B.S., Florida State University; M.P.A., University of Georgia; J.D., University of Houston Law Center; Ph.D., Baylor University.

Gregory Ryan (2010). Visiting Assistant Professor of Political Science. B.S., Lipscomb University; M.A., University of Alabama; Ph.D., University of Tennessee.

Micah Watson (2007). Assistant Professor of Political Science and Director, Center for Politics and Religion. B.A., University of California at Davis; M.A., Baylor University; Ph.D., Princeton University.

Mission Statement

The Department of Political Science seeks to create active, informed citizens and leaders who use their analytical, research, and communication skills to improve their community.

Curriculum

Called the "queen of the sciences" by Aristotle because of its impact on law, society, philosophy, ethics, economics, and religion, political science is more than the study of government, political attitudes and behavior, and public policy. It is the study of people, their motives, their values, their relations with others, and the best way for individuals and groups to achieve their goals while improving society. Moreover, as Christians, the study of politics increases our understanding of God by learning how He wants us to live with others and how our faith leads us to be good stewards of our local, national, and global community.

Consequently, the Department seeks to (1) create an active, informed citizenry capable of influencing government; (2) prepare students for a changing world by developing and refining their analytical, communication, and research skills; (3) foster the understanding of the role of Christians in the public square and the most effective means to renew society; (4) prepare students for graduate and professional opportunities in politics, law, public service in the U.S. and abroad, business, teaching, and other endeavors; and (5) develop students who can be leaders in political, social, and religious institutions.

To this end, the Department offers a broad range of courses that focus on how individuals and groups interact with governmental and global systems while preparing students to exercise leadership in our changing domestic and global worlds. Each student begins by orienting themselves to the discipline by taking classes in each of the subfields of political science (American Politics,

Comparative Politics, International Relations, Political Theory, and Research Methods). Then students take courses in both American and Global politics courses to ensure a balance in their studies while having additional hours to pursue their specific interests. Moreover, the Department encourages both practical and theoretical learning through internships and study abroad experiences which provide a broader understanding of other cultures and worldviews. Finally, the capstone experience provides students the opportunity to synthesize their knowledge in writing their senior thesis.

I. Major in Political Science—42 hours

- A. Required: PSC 111, 211, 214, 245, 322, 323, 332, 498.
- B. Upper-level American Politics—3 hours
- C. Upper-level International Relations/Comparative Politics—3 hours
- D. Select one concentration and a total of no less than 12 hours
 1. American: Select 9-12 hours from Upper-level American Political Politics courses
 2. International Relations: Select 9-12 hours from Upper-level IR and Comparative Politics courses.
 3. Political Theory: Select 9-12 hours from Upper-level Political Theory courses.
 4. General: Select 12 hours from 2 of concentrations (1., 2., or 3. above)

II. Major in Political Science with Discipline-Specific Honors—42 hours

- A. Complete the Major in Political Science as described in I. above.
- B. Include in the major requirements, the completion of at least three PSC courses by honors contract.
- C. PSC 245 should be completed prior to the second honors contract.
- D. The student will write the honors thesis in PSC 498.

III. Teacher Licensure for Government (Grades 7-12)

- A. Major requirements for PSC with American concentration as shown above to include 313, 415, and 416.
- B. Additional requirements for licensure: GEO 112; 215 or 216; HIS 211 and 212, 101, 102; CSC 105.
- C. Professional Education: EDU 150, 250, 326, 425, 433; PSY 213, 318; SE 225.
- D. Completion of applicable portions of the Praxis II.
- E. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

IV. Minor in Political Science—21 hours

- A. Required courses: PSC 111, 211.
- B. PSC Electives including a minimum of 6 upper-level hours—15 hours

V. Pre-Law Advising Program

Dr. Sean Evans serves as Union University's pre-law advisor. Students planning to attend law school should consult with him for information and assistance.

Admission and Progression in Major in Political Science with Discipline-Specific Honors

The department requires a one semester residency requirement for the first time college student before applying to the program.

For each honors contract course, the student must:

- Come to agreement with the instructor of the course regarding the nature of the contract prior to the beginning of the course. Students are advised to contact the instructor prior to the end of the previous Fall or Spring Semester.
- Obtain the Department Chair's approval of the honors contract.
- Complete the required paperwork with the Office of the Director of the Honors Community prior to the first day of classes for the semester.

The professor supervising each honors contract will evaluate the work and personally consult with the student about continuance in the program. This evaluation will also be presented to the department faculty at its next regularly scheduled department meeting. If a student makes a grade of B or higher in an honors project, they will be able to continue in the program. If a student makes two B's, the department will meet to evaluate the student's work and the professor's evaluation to determine whether the student should continue. A grade below B is unacceptable in an honors contract class and will result in dismissal from the program. The student may appeal the decision to the department as a whole.

Greater detail for admission, honors contract requirements and other program specifics is provided at <http://www.uu.edu/dept/politicalscience/programs-honors.cfm>.

Assessment of Majors

Political science majors culminate their studies by taking Senior Seminar (PSC 498) in which they will demonstrate the ability to write a quality, in-depth political science research paper using the methods of the discipline. The student will present his/her paper to fellow seminar members and political science faculty. All senior political science majors must take the Major Field Achievement Test in Political Science, a national civics test, and write an essay demonstrating their understanding of the role of religion in the public square.

Student Organizations

Pi Sigma Alpha is the National Honor Society in Political Science. Eligible students are juniors who have completed ten semester hours of work in political science including at least one upper-division course, with an average grade of B or higher in those courses. They must also have achieved an overall GPA placing them in the top one-third of their whole class (i.e., junior or senior class). They need NOT be political science majors or minors to qualify for membership.

The **Union Pre-Law Society** is open to all students regardless of major who are interested in attending law school. The purpose is to promote a greater understanding of law and the legal profession and to prepare students for law school.

Student Awards

Departmental Awards are given to graduating seniors for outstanding work in fulfilling a departmental major or minor.

The **John W. Burgess Award** is granted to a graduating senior for meritorious work in political science.

Political Science Research Awards are presented for the best original research papers presented as part of the requirements for any political science course.

Course Offerings in Political Science (PSC)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

111. Introduction to Political Science (3) F

An introduction to the concepts and concerns of political science: the power relationships among men, between men and the state, and among nations.

211. Politics and Government of the United States (3) F, S

A study of the development, structure, and operation of our national government.

214. World Politics (3) S

A study of the basic concepts of international politics, national power, diplomacy and warfare, and other vital interests of nations.

245. Research Methodology (3) S

Research methodologies utilized in political science.

300. Politics and Film (3) As Needed

The impact of film on the politics and thinking of American society towards concepts such as war, peace, race, regions of the world and political ideas.

305. State and Local Government (3) As Needed

A study of the institutions and functions of state and local governments and their relationship to the political process and federalism.

313. Political Parties in the United States (3) F—Even Years

A study of the nature, development, and functioning of political parties in the United States. Attention is given to leaders, issues, and problems of our party system.

322. Western Political Thought I (3) F

Great political thinkers in the Western tradition from the Greeks to the 17th Century.

323. Western Political Thought II (3) S

Great political thinkers in the Western tradition from the 17th century to the present.

324. Contemporary Global Issues (3) S—Odd Years

Current affairs focusing on events and attitudes within the world community with an assessment of their impact on domestic and foreign policy decisions in the U.S. and abroad.

325. Politics and Governments of Asia (3) S—Odd Years

A study of Asia in modern times with emphasis on China, Japan, and one additional state selected on the basis of political conditions in Asia at the time of the course.

330. Public Administration and Policy Making (3) As Needed

A study of the “fourth branch” of government of the United States with a focus on the development of public policy and its administration. The relationship among the executive, legislative, and judicial branches is also emphasized.

331. Early Christian Political Thought (3) F—Odd Years

Reciprocal credit: CHR 331.

A study of political thought from the beginning of Christianity to the Reformation.

332. Comparative Political Systems (3) F

An analysis of the primary political systems that form the basis of modern nation-states, namely, liberal democratic systems, communist and post-communist systems, and the developing systems of the post-colonial international community. This course does not deal with particular governmental structures.

333. International Organizations and Law (3) F—Odd Years

International organizations, both governmental and non-governmental, as they interact with international community. International law and its development are examined.

335. Modern Christian Political Thought (3) S—Even Years

Reciprocal credit: CHR 335.

A study of the various streams of Christian political thought since the Reformation.

337. American Political Thought (3) S—Odd Years

The study of American political thought from the colonial times to the present.

340. The Judicial Process S—Even Years

The nature of law, the principal actors in the legal system—police, lawyers, and judges—and their roles in the system as well as the ability of courts to make social policy.

342. The United States Congress (3) S—Even Years

The role of Congress in American government, including congressional elections, representation, the organization of Congress, and policy-making and its interaction with others such as the president, interest groups, the media, and political parties.

344. The American Presidency (3) S—Odd Years

A study of the constitutional, institutional and historical development of the presidency with special attention to the selection, roles, and powers of the president and his interaction with other political actors.

347. Ethics and Public Policy (3) S—Odd Years

The application of ethical theories to contemporary political issues.

355. Politics of the Developing States (3) F—Odd Years

Developing states referred to as the Third (Fourth) World, including Bangladesh, most of Africa, and parts of SE Asia, beginning with the end of the colonial period.

360. Politics of Islam (3) S—Even Years

The politics of Islamic beliefs such as traditionalism, reformism, and secularism, and their political influence on governments throughout the Islamic world and their relationship with Israel.

361. Liberalism and Religion (3) Every Third Year

A study of secular theories that examine the role of religion in the public square.

365. International Security (3) Every Third Year

Strategic theory, terrorism, counterterrorism, military intervention, and intelligence in the contemporary world.

400. Democratization and Human Rights (3) F—Even Years

A study of the theoretical underpinnings of democracy and the origins and development of human rights in the world today.

414. International Relations Theory (3) Every Third Year

Traditional and modern international relations theories such as realism, idealism, and postmodernism.

415. Constitutional Law I (3) F—Odd Years

A study of the constitutional structure of government as developed by the U.S. Supreme Court relating to federalism, the separation of powers, the jurisdiction of the courts, the taxing power, the war power, and the commerce power.

416. Constitutional Law II (3) S—Even Years

A study of the constitutional doctrines relating to civil rights and civil liberties such as First Amendment freedoms, equal protection, privacy, and rights of the accused.

425. Politics and Religion (3) Every Third Year

An examination of the interaction between politics and religion in domestic and international politics.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand**295-6-7. Special Studies (1-4) On Demand**

Lower-level group studies which do not appear in the regular departmental offerings.

431. Political Science Internship (repeatable up to 6) As Needed

Individually designed study which permits the upper-level student to learn through participation in actual government settings, either domestic or international. Close consultation with the department in the design of this study will be necessary to conform to University standards regarding internships.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

498. Seminar (1-3) As Needed

To be used at the discretion of the department.

499. Seminar in Political Theory (3)

An intensive analysis of more major issues in political theory.

DEPARTMENT OF PSYCHOLOGY

COLLEGE OF ARTS AND SCIENCES

Faculty

Teresa West (1983). University Professor of Psychology and Department Chair. B.A., Union University; M.A., Ed.S., and Ed.D., University of Memphis.

Jinni Leigh Blalack (1991). Associate Professor of Psychology. B.S., Union University; M.A., Middle Tennessee State University; additional study, Tennessee State University.

Paul Deschenes (2000). Associate Professor of Psychology and Director of Counseling Services. B.A., University of Florida; Psy.D., Rosemead School of Psychology.

Joanne Stephenson (1988). Professor of Psychology. B.S. and M.S., University of Tennessee at Martin; Ed.D., University of Memphis.

David Vickery (1981). University Professor of Psychology. B.A., Wake Forest University; M.A., Appalachian State University; Ph.D., University of Georgia.

Mission Statement

Committed to academic excellence and development of the whole person, the Department of Psychology strives to challenge and support students in developing a better understanding of human relations and individual adjustment by applying concepts to their personal living. Within a Christian context, the psychology major gives students the preparation for graduate study and the foundation for effective interaction with others in a variety of career settings.

Course Offerings in Psychology (PSY)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

213. Introduction to Psychology (3) F, W, S, Su
A survey of the various areas included in the field of psychology, using the bio-social and scientific approaches to understanding behavior.

219. Developmental Psychology (3) W, S
Prerequisite: PSY 213.
Human development from the prenatal stage through older adulthood. Emphasis: emotional, social, physical, motor, and psychological development of the individual.

***225. Survey of Exceptionalities (3) F, W, S, Su**
See SE 225 for course description.

- I. Major in Psychology—33 hours**
A. PSY 213, 311, 317, 410, 412—15 hours
B. PSY Electives—18 hours
C. Only 2 of the 4 developmental courses (219, 313, 320, 324) may apply toward the major.
- II. Minor in Psychology—21 hours**
Psychology 213 and 410 are required of all minors.

Assessment of Majors

Psychology Majors are required to take PSY 410 during the Senior year as capstone to the major.

Student Organizations

The **Psychology Club**, open to all students, provides information regarding graduate programs and job opportunities for PSY majors and minors, provides information about and encourages the reading of current writings in the field, encourages association among Psychology students, promotes scholastic achievement, and provides information to students who want to learn more about the major.

Psi Chi is the National Honor Society in Psychology, founded 1929, to encourage, stimulate, and maintain excellence in scholarship, and advance the science of psychology. Membership is open to majors who have completed 3 semesters with 9 PSY hours, a 3.0 CUM GPA and a 3.5 PSY GPA.

Student Award

The **Dr. Bill Bouchillon Psychology Excellence** is given to an outstanding graduating senior with a 3.5 GPA or greater in psychology as selected by the Psychology faculty.

311. Statistics for the Behavioral Sciences (3) F, S
Prerequisite: PSY 213. Recommended: MAT 114 .
Basic statistical measures and concepts necessary to understand psychological literature, with application to the behavioral sciences with emphasis on experimental design.

312. Industrial Psychology (3) As Needed
Prerequisite: PSY 213.
An overview of psychology in the work place, relating to motivation, personnel selection and training, leadership styles, and human relations.

313. Adolescent Psychology (3) S
Prerequisite: PSY 213.
A study of the individual during adolescent years with emphasis on the development of self-identity and the problems faced by the American adolescent.

315. History of Psychology (3) As Needed

Prerequisite: PSY 213.

The development of psychology from its early beginnings to the present with emphasis upon the various schools of psychology and contributions of outstanding individuals.

316. Behavioral and Cognitive Theories of Learning (3) F, S

Prerequisite: PSY 213.

Prominent theories of learning in the context in which they were originated, their influence upon contemporary psychological thought, and their present applications.

317. Abnormal Psychology (3) F, S

Prerequisite: PSY 213.

Causes and types of abnormal phenomena, mental hygiene, and therapeutic methods.

318. Psychological Foundations of Education (3) F, S

Prerequisite: PSY 213 and EDU 150.

Applying psychological principles to education. Learning, motivation, human growth and development are emphasized.

320. Adult Psychology (3) As Needed

Prerequisite: PSY 213.

Late adolescence through late adulthood using the theoretical framework of the life-span with emphasis on physical, cognitive, social and emotional development.

323. Theories of Personality (3) F

Prerequisite: PSY 213.

An introduction to the various theoretical positions regarding the development of personality placed in a general context of psychological theory and related to the psychological adjustment of the individual.

324. Child Growth and Development (3) F, S

Prerequisite: PSY 213.

Physical, cognitive, social and emotional growth of children from prenatal through adolescence. Emphasis on major theories of development, their significance and issues for teachers and other professionals who work with children.

328. Physiological Psychology (3) S

Prerequisite: PSY 213.

The physiological bases of behavior with emphasis upon the neural substrates and biochemical bases of behavior, the sensory functioning and response capabilities of the organism and the genetic determinants of behavior.

330. Health Psychology (3) S

Stress, its effects and how to deal with it will be studied from a conceptual and application basis. Related topics include smoking, obesity, hypertension, headaches, insomnia, type A behavior, gastrointestinal disorders, cancer, and diabetes.

338. Issues in Psychology and Religion (3) As Needed

Prerequisite: PSY 213.

Explores the relationship between psychology and religion. Topics include guilt, conscience, growth/maturity, the Church and mental health, and Christian counseling.

400. Positive Psychology (3) F

Prerequisites: PSY 213 plus 6 additional hours from PSY, SOC, SW.

Explores the theory of Positive Psychology and its principles of learned optimism and authentic mental health.

410. Advanced General Psychology (3) F, S

Prerequisite: 15 hours of PSY.

An extensive and in-depth study of the field emphasizing current research, issues, and methodology. In-depth coverage of the major areas of psychology.

412. Experimental Psychology (3) F, S

Prerequisite: PSY 213.

Theoretical and practical aspects of experimental psychology with emphasis on experimental designs and results, practical applications of theoretical concepts and principles using individual and class projects, research techniques, written reports of projects, and journal readings.

413. Psychological Assessment (3) S

Prerequisite: PSY 213. Suggested: PSY 311 & 317.

Methods of evaluation of individuals, including Exceptionalities, and the nature of administration and interpretation of intelligence, interest, personality, achievement and aptitude tests.

415. Applied Research (3) F

Prerequisite: PSY 311 & 412, Senior PSY major & Instructor Permission.

Hands-on, group research on various topics that include synthesizing findings into a research paper.

417. Field Research Presentation (1) S

Prerequisite: PSY 415 and Instructor Permission

Research presentation experience at a professional conference building on and refining the experiences and findings of PSY 415.

418. Social Psychology (3) F

Prerequisite: PSY 213 & SOC 211. Reciprocal credit: SOC 418.

Factors which underlie the development of social behavior, social aspects of personality development and interaction between the individual and groups.

422. Sport Psychology (3) S

Prerequisite: PSY 213. Reciprocal credit: PEWS 421. See PEWS 421 for description.

425. Introduction to Counseling (3) S

Prerequisite: PSY 213, 317, or consent of the instructor.

An introduction to the field of counseling. Various approaches will be studied, as well as job opportunities and the history of the counseling relationship itself. Supervised practice is a part of the course requirements.

435. Contemporary Issues in the Family (3) W

Reciprocal credit: SOC 435. See SOC 435 for description.

490. Practicum (3) F, W, S, Su

Prerequisites: PSY 213, 317, 12 additional PSY hours, and prior approval.

Field experience in a community agency. A journal and research paper are required. Purchase of professional liability insurance is required.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand

295-6-7. Special Studies (1-4) On Demand

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

498-9. Seminar (1-3) F On Demand

To be used at the discretion of the department for majors only.

MC AFEE SCHOOL OF BUSINESS ADMINISTRATION

Dean

R. Keith Absher (2004). Dean of the McAfee School of Business Administration and Professor of Marketing. B.A. and M.B.A., Jacksonville State University; M.A.S., University of Alabama-Huntsville; Ph.D., University of Arkansas; Additional Study, Harvard University.

William R. Nance, Jr. (2000). Associate Dean of the McAfee School of Business Administration and Associate Professor of Management. B.S., Regis University; M.B.A., Union University; D.B.A., Nova Southeastern University.

Mission Statement

In support of Union University's mission, the McAfee School of Business Administration is a learning community that promotes business education in a Christian context. The school provides undergraduate and graduate programs that are designed to prepare our students for dynamic business environments through quality teaching with personal attention. Scholarly research enhances student education through the diverse intellectual perspectives of the faculty.

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Distinctives

While the programs of the McAfee School of Business Administration are appropriately similar to those offered by other universities in the coverage of the basic business knowledge and skills, at Union University, they reflect three mission-driven distinctives:

1. Christian faith, ethics, and character
2. Collaborative learning
3. Personalized faculty-student environment

Faculty

R. Keith Absher (2004). Dean of the McAfee School of Business Administration and Professor of Marketing. B.A. and M.B.A., Jacksonville State University; M.A.S., University of Alabama-Huntsville; Ph.D., University of Arkansas; Additional Study, Harvard University.

William R. Nance, Jr. (2000). Associate Dean of the McAfee School of Business Administration and Associate Professor of Management. B.S., Regis University; M.B.A., Union University; D.B.A., Nova Southeastern University.

C. Steven Arendall (1990). Professor of Management and Director of the M.B.A. Program, Germantown. B.B.A. and M.B.A., University of Memphis; Ph.D., University of Tennessee at Knoxville.

David Austill (1997). Professor of Accounting and Business Law. B.B.A., University of Memphis; M.B.A., University of Arkansas; J.D., University of Tennessee; L.L.M., Washington University, C.P.A.

Don Christensen (2002). Professor of Finance. B.B.A. and M.B.A., University of Memphis; Ph.D., University of South Carolina.

Brooke Emery (2010). Assistant Professor of Marketing. B.A., Rhodes College; M.B.A., Union University.

Joe Harrison (1998). Associate Professor of Management. B.A., Stephens College; M.B.A., University of Memphis; Candidate for Ph.D., University of Memphis.

Gregory Jordan (2012). Professor of Business Law. B.S., Union University; J.D., University of Memphis.

Wilburn Lane (2009). Professor of Marketing. B.S., Union University; M.Ed., M.B.A., and D.B.A., University of Memphis.

Emily Lean (2008). Assistant Professor of Management. B.S.B.A., Union University; Ph.D., University of Arkansas.

Chris Manner (2009). Associate Professor of Economics. B.S., University of Tennessee, Martin; Ph.D., Vanderbilt.

Karen C. Miller (1997). Professor of Accounting and Director of Academic Research. B.S.B.A., Freed-Hardeman University; M.Ac., University of Tennessee at Martin; Ph.D., University of Mississippi; C.P.A.

Walton M. Padelford (1980). University Professor of Economics. B.S., Mississippi College; M.S. and Ph.D., Louisiana State University; Additional study, San Francisco Xavier de Chuquisaca.

Tom Proctor (1996). Professor of Accounting, Coordinator of Accounting, and Director of Accreditation. B.S., University of Tennessee at Martin; M.B.A., M.S., and Ph.D., University of Memphis; C.M.A.; Additional Study, Macquarie University.

Daniel Slater (2010). Assistant Professor of Management. B.A., Central Bible College; M.B.A., Missouri State University. Ph.D., University of Arkansas.

Andrew Tiger (2010). Professor of Management. B.S. and M.S., Oklahoma State University; Ph.D., University of Houston.

Kevin Westbrook (2008) Associate Professor of Marketing. B.S., M.B.A., and Ph.D., University of Memphis.

Curriculum

The McAfee School of Business Administration offers majors in Business Administration and Accounting, leading to the Bachelor of Science in Business Administration. Majors in Accounting and Business Administration are required to complete the General Core Curriculum, the B.S.B.A. Specific Core Curriculum, major requirements as detailed below and a minor in University Studies or a minor outside the School of Business. Majors in Economics complete the B.A. or B.S. core instead of the B.S.B.A. core. The student seeking Tennessee Teacher Licensure in business subjects will select an appropriate major and complete the Professional Education Minor; details are shown below under "Teacher Licensure."

A minimum grade of C is required in all upper level courses in the B.S.B.A. specific core. All majors offered through the McAfee School of Business Administration other than the major in Economics require the B.S.B.A. Specific Core consisting of: ACC 211-2; ECO 211-2; FIN 320; BAD 224; BLAW 321; CSC 105, MAT 114; MGT 310, 318; MKT 328. B.S.B.A. students must select MAT 111, 201 or higher for General Core Math. The Economics major may be earned with the B.A. or B.S.

Students pursuing a degree outside the McAfee School of Business and not pursuing the Bachelor of Science in Business Administration may not apply more than 31 hours in the areas of accounting, business administration, economics, finance, management, or marketing toward their degree requirements. Such students are cautioned against pursuing multiple minors if the minors will be used to satisfy degree requirements. Students pursuing the Bachelor of Art or the Bachelor of Science and majoring in Economics will only count ECO 211 and ECO 212 of the economics requirements as business hours for the purpose of determining the 31-hour limit.

Tennessee Valley Authority's Investment Challenge is a unique, innovative partnership between TVA and Union University as one of 24 universities in its service territory that provides a real-world learning experience in portfolio management. Participation can be voluntary or through the classroom experience of BAD 375. Similarly, participation in Students in Free Enterprise can be formally experienced for credit through BAD 300 or on a voluntary basis.

I. Major in Accounting—48 hours

- A. ECO 400
- B. ACC 311, 313, 314, 315, 350, 423, 470
- C. MGT 341, 420, 445; BAD 475
- D. Upper-level ACC Elective—9 hours
- E. Upper-level Business or Advisor-approved Electives —3 hours
- F. No minor is required with the Accounting Major.

II. Major in Business Administration—30 hours (Major Core + one concentration)

- A. Core required of all majors: ECO 400; MGT 341, 420, 445; BAD 475; and 6 hours Business or Advisor-approved Upper-level Electives
 - B. Concentration in Economics: ECO 411, 412, 430
 - C. Concentration in International Business: ICS 320, ECO 425, MKT 433; Minor in Spanish or French.*
 - D. Concentration in Management: MGT 348, 410, 432
 - E. Concentration in Marketing: MKT 424, 433, 440
- *Three to six semester hours, from business or foreign language or a combination, must be earned through study abroad or internship abroad. International students may substitute U.S. internship credit if their native language is not English.

III. Major in Economics—41 hours

- A. MAT 114, BAD 224, ECO 211, ECO 212
- B. ECO 498 or ECO Elective
- C. ECO 411, 412, 430; FIN 320
- D. 6 hours from: PHL 346, PHL 347; PSC 322, 323
- E. Upper-level Electives—outside the School of Business Administration and with advisor-approval—8 hours
- F. General Core must include MAT 201 and PHL 240.

IV. Teacher Licensure

Teacher Licensure in Business Education, Business Technology, Economics, and Marketing requires students to complete the following:

- A. Professional Education: EDU 150, 250, 326; PSY 213, 318; SE 225; EDU 419, 433.
- B. Complete the BSBA with a major in Business Administration or Accounting.
 1. Business Education completes the BSBA and major, earning a dual licensure with Business Technology.
 2. Economics completes the BSBA with a major in Business Administration (Economics Concentration) and completes additional Social Science requirements: HIS 101, 102, 211, 212; GEO 112, and either GEO 215 or 216
 3. Marketing completes the BSBA with a major in Business Administration (Marketing Concentration).
- C. Completion of applicable portions of the Praxis II.
- D. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

I. Minor in Accounting—18 hours

- A. ACC 211, 212, 313, 315
- B. Upper Level ACC Electives

II. Minor in Economics—18 hours

- A. ECO 211, 212, 411, 412
- B. Upper Level ECO Electives

III. Minor in Management—18 hours

- A. MGT 318, 341, 348; MAT 114
- B. Upper Level MGT Electives—6 hours

IV. Minor in Management for Non-Business Professionals—21 hours

- A. ACC 211 and ECO 211
- B. MGT 318; MKT 328; ECO 400
- C. Upper-level Business elective—6 hours

V. Minor in Marketing—18 hours

- A. MKT 328, 424, 440; MAT 114
- B. Upper Level MKT Electives

VI. Minor in University Studies—18 hours

- A. Available only with the Bachelor of Science in Business Administration or B.A. or B.S. with a major in Economics; all courses must be taken outside the School of Business.
- B. No more than 9 hours may be taken below 300 level.
- C. No more than 13 hours may be taken under one prefix.
- D. Course must be approved by the faculty advisor and cannot duplicate with the general core curriculum.

VII. Minor in Actuarial Science (to accompany the completion of a Business Major and the B.S.B.A.)—21 hours

See the Department of Mathematics for details.

Assessment of Majors

A comprehensive Assurance of Learning program has been developed by the School of Business. This assessment program is utilized to determine that the learning goals established by the School of Business have been met.

Proficiency in accounting, economics, finance, management, marketing, and quantitative concepts, and their integration are assessed through the ETS Major Field test. Each student pursuing a B.S.B.A. degree will take this test in MGT 445, which is the capstone course for the degree.

Student Organizations

Students In Free Enterprise. SIFE is a team of students teaching the community how market economics and businesses operate. It is a partnership between higher education and business building career connections between college students and the business community. Students must be nominated by a faculty member followed by a personal interview and recommendation of interviewing committee to faculty sponsor.

Phi Beta Lambda. Membership in this national business fraternity is open to those interested in careers in business. Its goals are to promote the free enterprise system, to create a better understanding of the business world, and to explicate the resume writing and interview process through seminars and workshops.

Omicron Delta Epsilon Economics Honor Society. Omicron Delta Epsilon is one of the world's largest academic honor societies. The objectives of Omicron Delta Epsilon are recognition of scholastic attainment and the honoring of outstanding achievements in economics; the establishment of closer ties between students and faculty in economics within colleges and universities, and among colleges and universities; the publication of its

official journal, *The American Economist*, and sponsoring of panels at professional meetings as well as the Irving Fisher and Frank W. Taussig competitions. Omicron Delta Epsilon has 652 chapters located in the United States, Canada, Australia, the United Kingdom, Mexico, Puerto Rico, South Africa, Egypt, France, and United Arab Emirates. Omicron Delta Epsilon plays a prominent role in the annual Honors Day celebrations at many colleges and universities.

Student Awards

Jeanette Pieron Proctor Aspiring Accountant Award. To be eligible for this award, a student must be a declared accounting major who is in the process of completing ACC 212 and has an overall GPA of 3.00 or better. The recipient will be selected by the Accounting faculty. The recipient will be required to enroll in ACC 313 when next offered.

Curtiss E. Scott Business Excellence Award. To be eligible for this award, a student must be classified as a senior School of Business Administration student with a GPA of 3.00 or better. The Phi Beta Lambda Business Fraternity nominates three students from eligible candidates. The McAfee School of Business Administration faculty select the final recipient from the nomination list.

Course Offerings in Accounting (ACC)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer
Courses without indicated offering will be available at least once every three years.

211. Principles of Accounting I (3) F

An introductory course including study of professional accounting, sole proprietorships, and partnerships.

212. Principles of Accounting II (3) S

Prerequisite: ACC 211.

A continuation of ACC 211 with an emphasis on corporations and the use of accounting in managerial decision making.

311. Cost Accounting (3)

Prerequisite: ACC 212.

A study of methods of accounting for materials, labor, and factory overhead in job order and process cost systems.

312. Managerial Accounting (3)

Prerequisite: ACC 212.

Uses of accounting information in management decision making. Topics include budgeting, standard costing, and analyses of costs and profits.

313. Intermediate Accounting I (3)

Prerequisite: ACC 212.

Intensive review of the accounting process and financial statements with emphasis on the asset section of the balance sheet.

314. Intermediate Accounting II (3)

Prerequisite: ACC 313.

Corporation formation and changes in the equity structure after formation. Topics include long-term investments, bonds, earnings per share, and income recognition.

315. Federal Income Tax Accounting I (3)

Prerequisite: ACC 212.

The Internal Revenue Code as it affects individual income tax returns.

319. Federal Income Tax Accounting II (3)

Prerequisite: ACC 315.

The Internal Revenue Code as it affects partnerships, corporations, and fiduciaries.

325. Fraud Examination (3)

An in-depth look at fraud detection, prevention, investigation, management and resolution.

350. Accounting Information Systems (3)

Prerequisite: ACC 212 and CSC 105.

Principles and problems of accounting system design and implementation. Organization for accounting control, internal control procedures, and internal reports. Attention given to computerized accounting systems and to traditional information flows.

423. Auditing and Assurance Services (3) F

Prerequisites: ACC 314 and 350.

An examination of ethics in accounting practice, general standards and procedures for a contemporary audit, audit programs, and work papers.

424. Internal Auditing (3) S

Prerequisites: ACC 314 and 350.

An examination of internal auditing concepts and proper internal controls along with compliance with applicable laws, regulations, and policies.

450. Governmental and Not-for-Profit Accounting (3)

Prerequisite: ACC 313.

Operation of the accounting structure and financial reporting for governmental and not-for-profit entities to include colleges and universities, medical care facilities, and social service agencies.

470. Advanced Accounting (3)

Prerequisite: ACC 313.

A comprehensive study of partnerships and consolidated entities.

Course Offerings in Business Administration (BAD)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

113. Introduction to Business (3) S

An introductory course to provide students with a basic understanding of the foundations of American business through an introduction to business organization and the functions of production, marketing, finance accounting, and management.

224. Quantitative Methods for Business (3) F, S

Prerequisite: MAT 111 or 201 or higher; MAT 114

An examination of probability and statistics with applications in business and economics. Topics include business calculus, linear regression, constrained optimization, comparative statistics including t-tests and analysis of variance and multivariate techniques.

300. Seminar in Free Enterprise (1-2) F, S

Prerequisite: Consent of instructor. Junior or Senior level standing.

This course provides the structure for outreach projects originated and implemented by SIFE. Students teach, learn, and practice free enterprise in order to better individuals, communities, and countries. Students may receive 2 hours of credit/semester during their first year of enrollment; 1/semester, their second for a maximum of 6 hours.

362. Sport Finance

Basic finance concepts in the sport industry. An investigation into the real world of financial management and how to apply financial concepts and appreciate sound sport management operations. The course will distinguish the skills and principles of finance from those of economics. Taxation, legal issues, financial analysis, and planning will also be covered as they relate to the sport industry.

375. Seminar in Portfolio Management (1-3) F, S

Prerequisite: FIN 320 and consent of instructor.

A practical, hands-on experiential exercise in managing a large stock portfolio using funds provided by the Tennessee Valley Authority. The investment objective of the portfolio is to achieve long-term capital growth by investing in marketable U.S. common stocks. Course may be repeated for a maximum of 6 hours credit.

475. Business Ethics and Diversity (3) F, S

Prerequisite: Senior Standing

This course focuses on the development of ethical paradigms which underlie contemporary value systems and the value of diversity in the workplace. Extensive use of cases are used highlighting value choices and the resulting consequences.

Course Offerings in Business Law (BLAW)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer

321. The Legal Environment of Business (3) F, S

The legal, practical and ethical environments in which businesses and managers operate. Topics: common law affecting business constitutional law, administrative agencies, and a survey of law of employment consumer protection, and securities regulations.

324. Commercial Law (3)

Pre/Corequisite: BLAW 321.

A survey of basic principles of law important for understanding business transactions, entity creation and operation, and including a review of contract laws and selected uniform commercial code provisions, business associations and bankruptcy law.

421. Negotiation and Dispute Resolution (3)

This course covers topics designed to develop students' ability to negotiate effectively and improve their ability to develop a strategic plan for effective negotiations.

425. Employment/Labor Law (3)

Prerequisite: MGT 318 and BLAW 321.

Common law, statutory and regulatory provisions pertaining to the employer-employee relationship and labor-management relations. Topics: hiring and terminating employees, discrimination, privacy, unions, collective bargaining, and statutory protections of workers.

Course Offerings In Economics (ECO)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer;
Courses without indicated offering will be available at least once every three years.

211. Principles of Macroeconomics (3) F

A first course in macroeconomic theory and policy. Principal topics include the market system, national income accounting, unemployment and inflation, macro theory, fiscal policy, monetary policy, international trade and finance, and the distribution of income and wealth.

212. Principles of Microeconomics (3) S

A first course in microeconomic theory and policy. Principal topics include the market system, the theory of the firm; and the firm in its competitive environment, in its international environment, and in its regulatory environment.

329. Public Finance (3)

Prerequisites: ECO 211 and 212.

Theory and principles, considering taxation and expenditure policies at all levels of government. Particular attention is given to the effect of these policies on individuals and the economy.

400. Personal Financial Management (3) F, S

Introduction to personal finance from a Christian perspective. Principal topics include giving, taxes, investing, insurance, buying a house, vehicles, credit, debt, and budgeting.

411. Intermediate Macroeconomics (3)

Prerequisites: ECO 211 and 212.

An advanced treatment of neoclassical growth theory, the demand for money, aggregate supply, aggregate demand, and economic dynamics.

412. Intermediate Microeconomics (3)

Prerequisites: ECO 211 and 212.

An advanced treatment of price theory, utility theory, production theory, and the theory of the firm.

425. Economic Growth and Development (3)

Pre/Corequisites: ECO 211 and 212

Economic trajectories of developing nations. Theoretical models of development and empirical data will be used to understand economic development and policy issues between the industrialized nations and the developing world.

430. International Economics (3)

Prerequisites: ECO 211 and 212.

International trade and finance. Deals with United States tariff policy, foreign exchange, markets, United States foreign economic policy, and the mechanisms available for international economic cooperation.

431. Economics of Labor (3)

Prerequisites: ECO 211 and 212.

Deals with wage theory, development of labor unions, collective bargaining, and the growth of a structure of labor law.

Course Offerings in Finance (FIN)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer; Courses without indicated offering will be available at least once every three years.

320. Business Financial Management I (3) F, S

Prerequisites: ACC 211, ECO 211.

Introduction to financial management including topics: assets, basic forms of organization, tax environment, time value of money, valuation concepts, risk and rates of return, cost of capital and capital budgeting.

325. Business Financial Management II (3)

Prerequisite: FIN 320

Continuation of 320 including: financial markets, investment banking process, financial intermediaries, the banking system, interest rates, the cost of money, analysis of financial statements, financial planning, control capital structure and management.

Course Offerings in Management (MGT)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer; Courses without indicated offering will be available at least once every three years.

310. Management Information Systems (3) F, S

Prerequisite: MGT 318 & CSC 105.

Introduction to the applications of computer systems and their components to support the strategic goals of an organization with focus on the use of information systems for management decision making.

318. Principles of Management (3) F,S

An introduction to the management process through the functions of planning, organizing, leading, and controlling.

337. The History of Business (3)

Social, political and economic events that have shaped business, focusing on management practices, theories, financial markets and institutions.

340. Entrepreneurship (3)

Prerequisites: ACC 212 and either MGT 318 or MKT 328.

A course designed for students interested in the ownership/operation of a small business.

341. Operations Management (3) F, S

Incorporates both theoretical and practical elements. Topics: design, operation, and control of productive systems, demand forecasting and management, inventory timing and control, facility location, and resource assignment.

348. Organizational Behavior (3) F,S

Prerequisite: MGT 318 (or former MGT 312)

The behavioral and psychological side of management. Emphasis: theories and research in such topics as decision making, values, leadership, motivation, and performance appraisal.

355. Labor Relations (3)

An analysis of American labor history, the process and the philosophy of collective bargaining, dispute settlement, and contract administration.

410. Advanced Management Information Systems (3) F

Prerequisite: MGT 310.

An examination of networking as used through web-based systems for voice and data communication. The impact of wireless technology on business processes including product delivery and communications with customers and suppliers is examined. Current topics in MIS are addressed including security challenges and legal obligations of MIS managers.

420. International Management (3) F, S

Prerequisite: MGT 318.

This course is designed to acquaint students with geographic and cultural differences that impinge on management decision making. Both theoretical and practical aspects of management in the international environment will be presented:

432. Human Resource Management (3) F, S

A study of the methods used by business firms and the public sector in recruitment, training, remuneration, and utilization of human resources.

445. Business Policy (3) F, S

Prerequisite: ACC 212; MGT 318; MKT 328; ECO 211, 212; Senior standing.

Capstone course which introduces students to the concepts of strategic management. Makes use of case analysis.

Course Offerings in Marketing (MKT)

() Hours Credit; F–Fall, W–Winter; S–Spring; Su–Summer;
Courses without indicated offering will be available at least once every three years.

328. Principles of Marketing (3) F, S

Exploration of the role of marketing in a free enterprise system through the development, implementation, control, and evaluation of marketing strategies with emphasis on marketing models and concepts utilized in decision making.

330. Consumer Behavior (3)

Prerequisite: MKT 328.

Individual and collective behavior patterns both inside and outside the marketplace, through the use of theoretical model building and empirical research findings. Emphasizes role of research in determining short-range and long-range strategies.

350. Professional Selling (3)

Prerequisite: MKT 328.

The role of the sales professional within the marketing process. Emphasis on development of selling responsibilities, time and territory management, and interpersonal communication skills through role-plays. Includes analysis of the psychological basis of selling in both consumer and industrial markets.

351. Retail Marketing (3)

Prerequisite: MKT 328.

Examination of the marketing mix within the retail environment. Analysis of retail strategy in merchandising, customer relations, and inventory control. Evaluation of retail site locations and store layouts.

419. Advertising and Promotion (3)

Prerequisite: MKT 328.

The economic and social roles of advertising in contemporary business. Emphasis on creation, implementation, and evaluation of campaigns through the analysis of creative processes, media resources, budgeting, and social responsibility.

424. Marketing Research (3)

Prerequisite: MKT 328 and MAT 114.

Theories and techniques involved in marketing research. Emphasis upon research objectives and design, sample selection, instrument design, collection techniques and statistical analysis of data, computer applications, report writing for managerial use.

433. Global Marketing Management (3)

Prerequisite: MKT 328.

Analysis of problems confronting the global marketing manager in making decisions relating to strategy, marketing research, product management, channel management, pricing, and promotional management.

440. Strategic Marketing (3)

Prerequisite: MKT 328 and Senior Standing.

Analytical and decision making skills necessary to move beyond traditional marketing management. To combine the knowledge of various marketing activities as they relate to managerial functions of planning, organizing, and controlling the marketing.

Available in each departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4)

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular departmental offerings.

484. Internship (3)

Selected students are assigned to obtain supervised practical work experience in many area accounting firms, advertising companies, local manufacturers, the Chamber of Commerce, banks and various non-profit organizations.

486. Cooperative Education (3)

Selected students are assigned to obtain supervised practical work experience at a local business for an extended period of time. Pass/Fail.

495-6-7. Independent Studies (1-4)

Individual research under the guidance of a faculty member(s).

498. Seminar (3)

To be used at discretion of the department.

499. Seminar (1-3)

To be used at the discretion of the department.

COLLEGE OF EDUCATION AND HUMAN STUDIES

Dean

Thomas R. Rosebrough (1996). Executive Dean of the College of Education and Human Studies and University Professor of Education. B.A., M.A., and Ph.D., Ohio State University.

Janet E. Furness (2008), Associate Dean of Social Work, Professor, and Director of the Master of Social Work Program. B.S., Philadelphia Biblical University; M.S.W., Rutgers, the State University, Ed.D., University of Rochester.

Jennifer Grove (1999). Assistant Dean of Graduate Studies in Education—Germantown and Associate Professor of Education. B.S. and M.Ed., Mississippi State University; Ed.D., University of Memphis.

Dottie Myatt (1994). Assistant Dean for Teacher Education and Accreditation and Professor of Education. B.S., Lambuth University; M.Ed., Union University; Ed.D., University of Memphis.

Ann Singleton (1985). Associate Dean of Education and Professor of Special Education. B.S., Union University; M.Ed. and Ed.D., University of Memphis.

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The College of Education and Human Studies houses a relatively diverse grouping of academic disciplines, including the Schools of Education and Social Work and the Departments of Physical Education-Wellness-Sport and Continuing Studies. The College has nine undergraduate majors along with the non-traditional degree completion majors administered by the Department of Continuing Studies. The College also offers six graduate degrees, including the M.A.Ed., M.Ed., M.U.Ed., Ed.S., Ed.D., and M.S.W. Three of the programs offered in the College are nationally accredited, including Teacher Education (NCATE), Social Work, (CSWE), and Athletic Training (CAAHEP). Graduate programs are offered on the Jackson, Germantown and Hendersonville campuses.

Connecting these disciplines is a commitment to the implications and applications of the Great Commandment: *a sincere desire to apply knowledge and improve the lives of people in the name and through the love of Christ.*

Mission Statement

The mission of the College of Education and Human Studies is to prepare students for social service in ways that are reflective, pragmatic and consistent with Christ's teachings, whether it is to teach, to lead, to counsel, to assist, or to rehabilitate.

SCHOOL OF EDUCATION

COLLEGE OF EDUCATION AND HUMAN STUDIES

Faculty

Ann Singleton (1985). Associate Dean of Education and Professor of Special Education. B.S., Union University; M.Ed. and Ed.D., University of Memphis.

Jennifer Grove (1999). Assistant Dean of Graduate Studies in Education—Germantown and Associate Professor of Education. B.S. and M.Ed., Mississippi State University; Ed.D., University of Memphis.

Dottie Myatt (1994). Assistant Dean for Teacher Education and Accreditation and Professor of Education. B.S., Lambuth University; M.Ed., Union University; Ed.D., University of Memphis.

Michele Atkins (1998-2005; 2006). Professor of Education. B.S., Union University; M.Ed. and Ph.D., University of Memphis.

Nancy Cherry (2005). Associate Professor of Education and Director of Master Programs in Education—Jackson. B.S., Union University; M.Ed., University of Memphis; Ed.S. and Ed.D., Union University.

Melinda Clarke (2000). Professor of Education, Director of the Center for Educational Practice and Director of Ed.D., (Higher Education). B.A., Lambuth University; M.Ed., and Ed.D., Vanderbilt.

Anna Clifford (1991). Associate Professor of Early Childhood Education. B.S. and M.S., University of Tennessee at Martin; Ed.D., University of Memphis. Additional study, Montessori, St. Nicholas Montessori Centre, London.

Nancy M. Easley (1998). Associate Professor. B.A., Trinity University; M.Ed., Texas A & M University; Ed.D., University of Memphis.

Carren Gallaher (2011). Assistant Professor and Director of Master Programs in Education—Hendersonville Campus. B.A., Lee University; M.A.Ed., Cumberland University; Ed.D., Tennessee State University.

Charles Lea (2008). Professor of Educational Leadership and Executive Director for the Hendersonville Campus. B.S. and M.A., Middle Tennessee State University; Ed.D., Vanderbilt University.

Ralph Leverett (1997). University Professor of Special Education. B.S. Middle Tennessee State University; M.A., M.S., Ph.D., Vanderbilt University.

Eric Marvin (2010). Associate Professor of Education. B.A., Fresno Pacific University; Ed.D., M.Ed., Harding University; Ed.D., University of Memphis.

Stephen Marvin (2007). Assistant Professor of Education and Director of M.Ed. Program—Germantown. B.A., Fresno Pacific University; M.Ed., Harding University; Ed.D., University of Arkansas.

Melessia E. Mathis (1998). Assistant Professor of Education and Director of Clinical Experiences. B.S., University of Alabama; M.Ed., University of Memphis.

Dianne Morgan (2009). Associate Professor of Education. Ph.D., University of Illinois Urbana-Champaign.

Kenneth Newman (2001). Professor of Educational Leadership. B.A., Union University; M.Ed., M.A., and Ed.D., University of Memphis.

Ben Phillips (2010). Associate Professor of Educational Leadership and Director of the Ed.S. and Ed.D.–P12 Programs—Jackson. B.S., Freed-Hardeman University; M.S. and Ed.D., University of Memphis.

Thomas R. Rosebrough (1996). University Professor of Education and Executive Dean of the College of Education and Human Studies. B.A., M.A., and Ph.D., Ohio State University.

Robin Scott (2010). Associate Professor of Education and Director of the M.U.Ed. Program—Germantown. B.S., Butler University; M.S., Indiana University-Purdue University at Indianapolis; Ph.D., Ball State University.

Michael Shackelford (2010). Associate Professor of Educational Leadership. B.S., University of Memphis; M.Ed., Tennessee State University; Ed.D., Vanderbilt University.

Stephanie Steele (2009) Assistant Professor of Education (Research)—Hendersonville. B.S., Union University; M.Ed., and Ph.D., Vanderbilt University.

Terry L. Weaver (1992). Associate Professor of Special Education. A.A., Miami Dade Junior College; B.S. and M.Ed., Florida Atlantic University; Ph.D., George Peabody College for Teachers of Vanderbilt University.

Carrie L. Whaley (1997). Professor of Education. B.A., Union University; M.C.M. and M.R.E., Southwestern Baptist Theological Seminary; Ed.D., Texas Woman's University.

Mission Statement

The mission of the School of Education is to prepare educators of character and competence who reflect Christ as they serve and lead in their schools and communities.

Curriculum

The School of Education with the approval of the Tennessee State Department of Education offers three undergraduate majors and licensure in five areas for Union University students seeking a license to teach in the public schools. The majors include: Elementary Education, Learning Foundations, and Special Education.

The Elementary Education major offers the choice of licensure in Early Childhood Education (PreK–3), Elementary Education (K-6), or Middle Grades Education (4-8) for teaching typically developing students. All students choosing the Elementary Education major must also select a second major from the following list: Learning Foundations (a liberal-arts-enhanced major with a choice of emphasis in one of the four school academic domains: language arts, social studies, mathematics, or science), Biology, Chemistry, English, History, Spanish, French, Teaching English as a Second Language, Mathematics, Political Science, Physics. The Special Education major prepares students to teach special needs youth in the areas of Modified Special Education (K-12) and Comprehensive Special Education (K-12).

Completions of the Elementary Education major with an additional major, as described above, or the Special Education major with a professional education minor together with the general education core, comprise the academic course requirements for a teaching degree at Union University. The School of Education requires at least one Instructional Design Course to be taken by all transfer students as determined by the School of Education in response to required Praxis II tests.

I. Major in Elementary Education (requires a second major) —39, 40 or 41 hours

- A. Can only be earned with one of the following majors: Biology, Chemistry, English, French, History, Learning Foundations, Mathematics, Physics, Political Science, Spanish, Teaching English as a Second Language. Students choosing a 2nd major other than Learning Foundations may be required to take additional courses mandated by teaching licensure. Refer questions to the Assistant Dean for Teacher Education and Accreditation.
- B. Core required of all Elementary Education majors:
 1. EDU 150, 233, 250
 2. EDU 352, 353, 354, 355
 3. One of EDU 430, 431, 432
- C. Select one endorsement area:
 1. Early Childhood (PreK–Grade 3): EDU 351 & 350
 2. Elementary (K–Grade 6): EDU 351, 356
 3. Middle Grades (Grades 4–8): EDU 326 and 356

II. Major in Special Education

- A. Major Requirements for all special ed. endorsements —25 hours
 1. EDU 351, PEWS 410
 2. SE 225, 331, 332, 340, 345; SW 200; SOC 325
 3. SE 405, 410

III. Major in Learning Foundations (non-licensure)—37 or 39 hours

- A. GEO 215 or 216; PHY 112
- B. HIS 211, MAT 101, PEWS 322
- C. PSY 318, 324; SOC 325
- D. Elective: from CHR, ENG, FRE, SPA, TESL.
- E. UNI 300
- F. Select One Emphasis:
 1. Math, 6 hours above 101; suggested: MAT 107, 111
 2. Science, 8 hours; suggested: BIO 110, 121, 200; CHE 105, 301; PHY 310
 3. Language Arts, 6 hours; suggested: ENG 312, 318, 450, 460
 4. Social Studies, 6 hours; suggested: HIS 101, 102, 315; PSC 211

IV. Minor in Professional Education / Special Education —29 hours

EDU 150, 233, 250, 353, SE 435; PSY 318, 324

V. Secondary Education Professional Core (See Teacher Education Program section of Catalogue for Programs of Study for Secondary Licensure) 33 hours*

EDU 150, 250, 326, Secondary methods course within the content area, 433 or 435; PSY 213, 318; SE/PSY 225

*Requirements for General Core and B.S. Core are tailored for initial teacher licensure. See your advisor for details.

Major in Education with Discipline-Specific Honors

Application Timeline/Process

Application to the discipline-specific honors program must be made toward the end of the semester in which the last prerequisite course is taken (see below).

Admission Requirements

- Cumulative GPA of 3.5 after completing or transferring at least 15 credit hours into Union
- Minimum GPA of 3.50 in all required education courses for the major
- Completion of the following courses: EDU 350, 233, 351 (ID I) (PreK-3, K-6 emphasis, & Special Education major only) or EDU 326 (Reading in the Content Areas (Grade 4-8 emphasis only); EDU 352 (ID II) (Elementary Education major only) or SE 225 (Special Education major only)
- Transfer student must complete at least one semester at Union prior to application, including at least one course in the education major.

Progression

To remain in the program a student must maintain a cumulative and major GPA of 3.5.

1. Honors students in the Elementary Education major are required to complete the following as

- 4-hour honors contract courses: EDU 353, EDU 354, and EDU 355. These students must also complete either EDU 430, EDU 431, or EDU 432.
- Honors students in the Special Education major are required to complete the following as honors contract courses: either SE 331 or SE 332; SE 435; and any three of the following courses according to research interest: SE 340, 345, 348, 405, or 410.

Honors Contract

Honors contract coursework will consist of learning activities tailored to the honors student's particular learning needs. Specifically, students are expected to research the literature and gain a deep understanding of at least two theories of learning (e.g., developmental theory, psychosocial theory, behaviorism, cognitive theory, constructivism, motivation theory), analyze and evaluate each, and apply the theories to practice within lesson plans, the unit plan, and the honors project. The honors project constitutes a scholarly action research project whereas students apply and then compare/contrast the chosen theories as they relate to practice. The honors project will be completed as an expansion of the Teacher Work Sample, a current requirement of all students during the student teaching semester. However, honors students are expected to synthesize current requirements with the scholarly research project.

Course Offerings in Education (EDU)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

With the exceptions of EDU 150, 233, 250, and SE 225, all education and special education courses have as a prerequisite admission to the Teacher Education Program (TEP). All courses with field experience and each enhanced student teaching course require proof of liability insurance.

150. Foundations of American Education (2) F, W, S
Historical, philosophical, and sociological bases underlying the development of American educational institutions. The role of the schools, aims of education, and role of state, local, and federal agencies will be emphasized. 20-hour field experience required.

233. Personal Qualities of Effective Teachers (1) F, S
An exploration of personal qualities of effective teachers through a field experience and group discussion. Fifteen-hour field experience required.

250. Instructional Technology in the Classroom (2) F, S
Prerequisite: CSC 105.
A course designed to meet state instructional technology standards. Emphasis is on computer audio, video, and optical technology as it is used in the classroom.

Assessment of Majors

Admission to and continuance in the Teacher Education Program and the PRAXIS II examination are integral parts of the assessment of Education majors.

Student Organization

Kappa Delta Pi, international Honor Society in Education, is dedicated to scholarship and excellence in education.

The Student Tennessee Education Association is composed of students on the campus who are preparing to teach. Its purpose is to offer its members all the opportunities, responsibilities, and privileges of the National Education Association and the Tennessee Education Association and to acquaint future teachers with the history, ethics, and program of the organized teaching profession.

Student Awards

The **Nora Smith Barker Student Teacher of the Year Award** is presented to that student who, in the judgment of the School of Education, has demonstrated to the highest degree in both the college and preparatory classrooms those skills and attributes held to be characteristic of outstanding certified classroom teachers and who shows greatest promise of achieving this status in years to come. An award is given to one Elementary, one Secondary and one Special Education student teacher.

326. Developing Reading Skills in the Content Areas (3) F, W, S

Prerequisite: TEP Admission.

Development of reading skills in content areas with emphasis on the study skills used in middle and secondary school programs. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor. Required of secondary education students.

Instructional Design Courses (350-356)

focus attention on the integration of technology and other current issues, problems and practices in the field. Current issues, problems and practices that will be included are learning style preferences, inclusion, national standards, diversity, and faith and ethics. All carry Prerequisites of EDU 150, 233, 250 & SE 225.

350. Early Childhood Instructional Design (4) F

Prerequisite: PSY 324 and EDU 351.

A study of the cognitive development of infants and young children emphasizing the areas of language, mathematics, science and social science. Implementation of art, music, and drama as expressive activities for facilitating physical, cognitive and social development is included.

351. Instructional Design I (2) F, S

Prerequisites: Admission. Corequisite: EDU 352.

Design and implementation in early childhood education with attention to assessment needs of young children. Five-hour field experience required.

352. Instructional Design II (4) F, S

Prerequisites: TEP Admission. Corequisite: EDU 351.

Design and implementation of instruction in elementary school language arts, children's literature and teacher effectiveness. Ten-hour field experience required.

353. Instructional Design III (4) F, S

Prerequisites: EDU 351 and 352 and TEP Admission. Corequisite: EDU 354.

Design implementation of instruction in elementary school reading and language arts. Ten-hour field experience required.

354. Instructional Design IV (4) F, S

Prerequisites: EDU 351 and 352 and TEP Admission. Corequisite: EDU 353.

Design and implementation of instruction in elementary school classroom management and mathematics with attention to assessment. Five-hour field experience required.

355. Instructional Design V (4) F, S

Prerequisite: EDU 353 and 354 and TEP Admission. Corequisite: EDU 356.

Design and implementation of instruction in elementary school science and social studies. Ten-hour field experience required.

356. Instructional Design VI (2) F, S

Prerequisite: EDU 353 and 354 and TEP Admission. Corequisite: EDU 355.

Design and implementation of instruction in middle school with attention to the philosophy and structure of the middle school and to issues, problems and practices involving community and teamwork. Five-hour field experience required.

410. Field Experience in Middle Grades (4) F, S

Prerequisite: Admission to Student Teaching. Pass/Fail. Four weeks of full-time, supervised student teaching in the middle grades (5-8) for candidates seeking an additional license in middle grades education.

411. Field Experience in Elementary School (4) F, S

Prerequisite: Admission to student teaching. Pass/Fail. Four weeks of full time, supervised student teaching at the elementary school level for candidates seeking an additional license in an elementary education licensure area.

414. Field Experience in Early Childhood Education (4) F, S

Prerequisite: Admission to student teaching. Pass/Fail. Four weeks of full time, supervised student teaching at the preschool level for candidates seeking an additional license in early childhood education.

416. Field Experience in Secondary School (4) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

Four weeks of full time, supervised student teaching at the secondary school level for candidates seeking an additional license in a secondary education licensure area.

417. Teaching Art in the Secondary School (3) As Needed

Prerequisite: EDU 326 and TEP Admission.

A materials and methods course in the teaching of art. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

418. Teaching Science in the Secondary School (3) F, S

Prerequisite: EDU 326 and TEP Admission.

A course for those who plan to teach biology, physics, or chemistry in secondary school. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

419. Teaching Business in the Secondary School (3) F

Prerequisite: EDU 326 and TEP Admission.

A materials and methods course in the teaching of general business subjects in secondary school. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

420. Teaching English in the Secondary School (3) F

Prerequisite: EDU 326 and TEP Admission.

Methods and materials used in teaching English. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

421. Teaching Health and Physical Education in the Secondary School (3) F

Prerequisite: EDU 326 and TEP Admission.

A course to prepare the student to carry out the health and physical education program at the secondary level. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

422. Teaching Mathematics in the Secondary School (3) S

Prerequisite or Corequisite: MAT 211. Prerequisite: EDU 326 and TEP Admission.

Methods for high school teachers of mathematics. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

423. Teaching Modern Language in the Secondary School (3) F

Prerequisite: EDU 326, TEP Admission, 6 hours of UL language credit.

A study of principles, practices, and methods of teaching modern languages in secondary school. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor in two language laboratories or an equivalent approved experience. Requires different levels of instruction in the same language or instruction in two languages.

424. Teaching Music in Secondary School (3) S

Prerequisite: EDU 326 and TEP Admission.

Methods and materials for those who plan to teach public school music and instrumental music in middle and high school. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

425. Teaching Social Studies in Secondary School (3) F

Prerequisite: EDU 326 and TEP Admission.

Materials and methods for teaching social studies. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

426. Teaching Speech and Theatre Arts (3) W

Prerequisite: EDU 326 and TEP Admission.

Materials and methods for teaching speech & theatre arts. Requires 25 clock hours of classroom work under the supervision of the classroom teacher and a college supervisor.

430. Enhanced Student Teaching in Early Childhood (14) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

A semester, 15 weeks, of student teaching with full-day supervised experience working with infants and young children in early childhood settings. No other courses may be taken during the semester. Students are required to participate in regular seminars.

431. Enhanced Student Teaching in Elementary School (14) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

A semester, 15 weeks, of student teaching at levels prescribed by the TN Department of Education under supervision. In addition to full-day student teaching, students will participate in regular seminars. No other courses may be taken during the semester.

432. Enhanced Student Teaching in Middle Grades (14) F, S

Prerequisite: Admission to Student Teaching. Pass/Fail.

A semester, 15 weeks, of supervised student teaching at levels prescribed by the TN Department of Education. In addition to full day student teaching, students will participate in regular seminars. No other courses may be taken during this semester.

433. Enhanced Student Teaching in Secondary School (14) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

A semester, 15 weeks, of student teaching in Grades 7-8 and 9-12 under supervision. In addition to full-day student teaching, students will participate in regular seminars. No other courses may be taken during the semester.

435. Enhanced Student Teaching in Grades K-12 (14) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

A semester, 15 weeks, of student teaching in Grades K-6 and 7-12 under supervision. In addition to full-day student teaching, students will participate in regular seminars. No other courses may be taken during the semester.

437. Enhanced Student Teaching in Grades PreK-12 (14) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

A semester, 15 weeks, of supervised student teaching in Grades PreK-6 and 7-12. In addition to full-day student teaching, students will participate in regular seminars. No other courses may be taken during the semester.

Special Education (SE)

() Hours Credit: F-Fall; W-Winter; S-Spring; Su-Summer

With the exception of SE 225, all special education courses have as a prerequisite, admission to the Teacher Education Program. All courses with field experience and each enhanced student teaching course require proof of liability insurance.

225. Survey of Exceptionalities (3) F, W, S, Su

Prerequisite: PSY 213. Reciprocal credit: PSY 225.

A study of emotional, learning, and behavioral characteristics of persons with exceptionalities examined from a theoretical and experimental point of view.

331. Characteristics and Needs of Pupils with Exceptionalities I (3) S

Prerequisite: SE 225 and TEP Admission.

Trends for educational and psychological classifications, as well as the needs, the law, mainstreaming, and the emotional and behavioral characteristics with respect to individuals with exceptionalities. Includes field experience.

332. Characteristics and Needs of Pupils with Exceptionalities II (3) F

Prerequisite: SE 225 and TEP Admission.

Emotional behavioral characteristics, assessment and intervention strategies and theories are examined. Education of individuals with severe and profound handicaps are studied in relation to current trends and legislation. Ten-hour field experience required.

340. Teaching Mathematics and Science to Students with Exceptionalities (3) F

Prerequisite: SE 331 or 332, and TEP Admission.

The content, objectives, materials, and methods of mathematics and science teaching in grades K-8 with special attention given to meeting the needs of students with exceptionalities. Fifteen-hour field experience required.

345. Teaching Language Arts & Social Studies to Pupils with Exceptionalities (3) S

Prerequisite: SE 331 or 332, and TEP Admission.

The content, objectives, materials, and methods of language arts and social studies teaching in grades K-8 with special attention given to meeting the needs of students with exceptionalities. Fifteen-hour field experience required.

348. Teaching Individuals with Severe and Profound Handicaps (3) S

Prerequisites: SE 332, 343, and TEP Admission.

Teaching and training in the curricular areas for individuals with severe and profound handicaps including special and adaptive equipment, techniques and materials, and 25 hours of field experience.

405. Educational Assessment of Students with Exceptionalities (3) F

Prerequisite: SE 331 or 332, and TEP Admission.

Terms and constructs used in describing and interpreting test results will be studied with the uses, purposes, nature, and procedures of formal and informal tests. A brief history of psychometric testing will be presented. The student will be able to transform the assessment data into programmatic guidelines for instructional objectives.

410. Behavior Management With Pupils with Exceptionalities (3) F

Prerequisite: SE 331 or 332, and TEP Admission.

Theories and techniques for managing behavior of pupils with exceptionalities. Attention is given to related practical, moral, and legal issues.

415. Field Experience in Special Education (4) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

Four weeks of full time, supervised student teaching in a special education classroom for candidates seeking an additional license in special education.

435. Enhanced Student Teaching in Special Education (14) F, S

Prerequisite: Admission to student teaching. Pass/Fail.

A semester, 15 weeks, of student teaching under supervision. In addition to full-day student teaching, students will participate in regular seminars. No other courses may be taken during the semester.

Available in each departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand**295-6-7. Special Studies (1-4) On Demand**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

498-9. Seminar (1-4) On Demand

To be used at the discretion of the department.

TEACHER EDUCATION PROGRAM

COLLEGE OF EDUCATION AND HUMAN STUDIES

Program Leadership

Dottie Myatt (1994). Professor of Education and Assistant Dean for Teacher Education and Accreditation. B.S., Lambuth University; M.Ed., Union University; Ed.D., University of Memphis.

Melessia Mathis (1998). Assistant Professor of Education and Director of Clinical Experiences. B.S., University of Alabama; M.Ed., University of Memphis. Additional study, Cumberland University.

Conceptual Framework: A Teacher-Student Dynamic of Sensitivity, Reflection and Faith

Mission Statement

The mission of the Teacher Education Program is to prepare highly effective educators within an environment of sensitivity, reflection, and faith.

Description of the Statement: Effective educators demonstrate knowledge in their respective fields, sensitivity to students' diverse learning needs, reflection in scholarship and inquiry, motivation of their students' becoming life-long learners, and a careful examination of their worldview and integration of the fruit of the Spirit (Galatians 5:22-23).

Candidate Outcomes

1. **Content Knowledge:** Candidates demonstrate academic competence in a broad base of general education and in a major appropriate for the licensure being sought.
2. **Knowledge of Learners:** Candidates understand the growth and development of children and adolescents with sensitivity to their diverse learning needs.
3. **Pedagogy & Instruction:** Candidates demonstrate knowledge of a variety of effective teaching methods and materials which utilize skills that effectively apply content knowledge and knowledge of children and adolescents to the learning environment.
4. **Assessment, Reflection, Response:** Candidates use appropriate assessment strategies to evaluate learning in the classroom and reflect on instruction, assessment, and evaluation to improve teaching and learning.
5. **Management of the Learning Environment:** Candidates create a learning environment of self-motivation and engagement while modeling Christian character dispositions among students, colleagues, parents and community.
6. **Personal Professional Growth & Development:** Candidates demonstrate awareness that teachers need further study and continuing professional growth to remain effective.

NCATE Accreditation

The Teacher Education Program is accredited by the National Council for Accreditation of Teacher Education (NCATE) 2010 Massachusetts Ave., N.W., Suite 500, Washington, DC 20036; phone 202-466-7496. This accreditation covers initial teacher preparation programs and advanced educator programs.

Profile of the Teacher Education Program

To be licensed to teach in the State of Tennessee, prospective teachers must earn a bachelor's degree with a major in an academic field and meet specific competencies needed in the teaching profession.

Admission To & Continuation In The TEP And Admission To Student Teaching

Admission to the TEP: Undergraduate students must meet the following requirements for admission to the Teacher Education Program:

1. Minimum of 24 semester hours in general education.
2. Minimum GPA of 2.5 in all course work at Union University.
3. Interview with the Teacher Education Screening Committee.
4. Field experience in education at the appropriate grade level; field experience acquired through transfer credit must be verified with a course description or syllabus indicating the total hours completed and the placement.
5. Prior to placement in any field experience, each teacher candidate must submit to a criminal background check and fingerprinting completed by the T.B.I. in accordance with TN law. The cost is the responsibility of the teacher candidate. For procedures, see www.uu.edu/programs/tep.
6. Satisfactory scores on the PPST (Reading=174, Math=173, Writing=173), **or** ACT (Composite of 22e), **or** SAT(R) (Combined score of 1020).
7. Approval of the School of Education.
8. Approval of the Teacher Education Committee.

Application to the TEP. EDU 150, Foundations of American Education, should be taken during the second semester of the freshman year or during the first semester after transfer. The application to the TEP is submitted during this course, a 20-hour field experience in an approved setting is also completed, and the portfolio process is started. By completing the admission process early in the college career, a student is able to take courses that require admission to the TEP when they are offered.

A student who has transferred the equivalent of EDU 150 should make application to the TEP immediately upon entrance to Union.

Continuation in the TEP. In order to remain in the TEP following admission, the student must maintain a GPA of 2.5 in all course work, in the major, and in the professional education core. Submission of 3 positive dispositional evaluations is required during the junior year for continuation in the TEP, and admission to student teaching.

Admission to student teaching. Students must file an application in order to be admitted to student teaching before the posted deadline during the semester prior to student teaching. Applications are available at <http://www.uu.edu/programs/tep/>. Other requirements for student teaching are as follows:

1. Minimum scores on all applicable portions of the Praxis II series.
2. Minimum GPA of 2.5 in all course work.
3. Minimum GPA of 2.75 in the major; some major departments require a higher minimum GPA in the major.
4. Minimum GPA of 2.75 in the professional education core.
5. Completion of the professional education core.
6. Lack no more than one course for completion of the endorsement requirements.
7. Recommendation from the major department.
8. Approval of the Dean of Students.
9. Approval of the Teacher Education Committee.
10. When the student is required to complete student teaching as a part of graduation requirements, the student must have a degree audit no later than the semester prior to student teaching.

While no courses may be taken during the semester of student teaching, student teaching seminars are held on Thursday afternoon from 3:30-5:00, and **attendance is mandatory.**

Application for teacher licensure. Applications for Tennessee teacher licensure are completed during a student teaching seminar and are filed by the licensing officer with the Tennessee State Department of Education when all course work (including student teaching) is completed.

Academic Policies

Minimum GPA requirements. Minimum GPA's are listed above. Following admission to the TEP, if the GPA drops below the minimum, the student is removed from the TEP and may not take any courses that require admission to the TEP. In this case it is strongly recommended that the student repeat courses that caused the GPA to fall below the minimum required. When the GPA is at or above the minimum, the student will be submitted for readmission to the TEP.

Early field experiences. As is required by national standards and by the Tennessee State Department of Education guidelines, early field experiences are a vital part of the TEP at Union. The purpose of these early field

experiences is to introduce the prospective teacher to a variety of school settings, learners, and routine activities. The knowledge and skills introduced in course work will be refined in the early field experiences.

Proof of professional liability insurance is required of all students enrolled in courses with field experiences. This expense is the responsibility of the student. Options for this coverage include, but are not limited to, membership in Student Tennessee Education Association, Christian Educators' Association International, or Professional Educators of Tennessee. Liability insurance is also available through Union University. Information about each of these options is available through the Assistant Dean for Teacher Education. The student is responsible for transportation to and from field experience.

Appeals. The School of Education is charged with the responsibility to follow the established policies for admission to and completion of the TEP. The Teacher Education Committee, which includes representatives of the faculty from across the university, is the TEP coordinating and policy-making body for the unit and is responsible for assuring that the established policies are followed. If the student feels that established policy or practice is not being followed, the Teacher Education Committee should be contacted. The Teacher Education Committee is also the appeals committee for the TEP. All appeals for variance from established policy and practice should be presented in writing to the Dean of the College of Education and Human Studies. The Dean will consider whether the appeal may, within established policy, be granted. If the appeal has been denied by the Dean, the student may choose to direct the appeal to the Teacher Education Committee. The student should contact the chairman of the TEC and present the appeal in writing. After the TEC has considered the appeal, the student will be notified in writing of the committee's determination.

Assessment of student outcomes. Students are required to submit key assessments through the professional portfolio at various points throughout the program. The portfolio verifies acquisition of knowledge, skills, and dispositions required by institutional, state and national standards. To be admitted to student teaching, students must also acquire passing scores on all applicable portions of the Praxis II as determined by the Tennessee State Department of Education. The Praxis II should be taken at least one semester prior to the beginning of student teaching to assure receipt of passing scores.

Financial Information

In addition to tuition, a fee will be charged all students engaged in enhanced student teaching and extended field experience. This is used to meet part of the expenses of the cooperating teacher stipend and travel expenses incurred by the university supervisor. A materials fee is also charged for student teaching and appropriate courses throughout the curriculum and to cover costs directly related to the course or laboratory. Additional expenses include the background check, liability insurance, and portfolio fee. Current materials and experience fees are indicated in the "Financial Information" section of the *Catalogue*.

Programs of Study in Teacher Education

Students seeking licensure in secondary areas (7–12, K–12, and Pre-K–12) must complete the major in the endorsement area and the **Secondary Professional Education** consisting of EDU 150, 250, 326, Secondary methods course within the content areas, 433, 435, or 437; PSY 213, 318; SE/PSY 225.

Programs of study for each endorsement area are as follows:

Business Education 7–12 & Business Technology 7–12

Complete the Accounting or Business Administration major with concentration in Economics, Management, or Marketing as outlined in the McAfee School of Business Administration section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Biology 7–12

Complete the Biology major as outlined in the Dept. of Biology section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Chemistry 7–12

Complete the Chemistry major as outlined in the Dept. of Chemistry section of the *Catalogue* for licensure plus the Secondary Professional Education.

Chemistry 7–12 & Physics 7–12 dual endorsements

Complete the Chemical/Physics major as outlined in the Dept. of Chemistry section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Early Childhood Educ., PreK–3

Complete the Elementary Education major as outlined in the School of Education section of the *Catalogue*.

Economics 7–12

Complete the Business Administration major with concentration in Economics as outlined in the McAfee School of Business Administration section of the *Catalogue* for licensure, plus the Secondary Professional Education and HIS 101, 102, 211, 212; GEO 112 and either GEO 215 or 216. This program leads to dual licensure in Economics 7-12 and Business Education 7-12.

Elementary K–6

Complete the Elementary Education major as outlined in the School of Education section of the *Catalogue*.

English 7–12

Complete the English major with either Literature or Writing concentration as outlined in the Dept. of English section of the *Catalogue* for licensure, plus the Secondary Professional Education.

English as a Second Language PreK–12

Complete the TESL major as outlined in the Dept. of Language section of the *Catalogue* for licensure, plus the Secondary Professional Education and PSY 324.

French 7–12

Complete the French major, Teacher Education track, as outlined in the Dept. of Language section of the *Catalogue* plus the Secondary Professional Education.

Government 7–12

Complete the Political Science major as outlined in the Dept. of Political Science section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Health K–12

Complete the Physical Education and Health major as outlined in the Dept. of Physical Education, Wellness, and Sport section of the *Catalogue* for licensure, plus the Secondary Professional Education. This program leads to dual endorsements in PE K–12 and Health K–12.

History 7–12

Complete the History major as outlined in the Dept. of History section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Marketing 7–12

Complete the Business Administration major with concentration in Marketing as outlined in the McAfee School of Business Administration section of the *Catalogue* for licensure, plus the Secondary Professional Education. This program leads to triple endorsements in Marketing 7-12, Business Education 7-12, and Business Technology 7-12.

Mathematics 7–12

Complete the Mathematics major as outlined in the Dept. of Mathematics section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Middle Grades 4–8

Complete the Elementary Education major as outlined in the School of Education section of the *Catalogue*.

Music Education, Instrumental K–12

Complete the Bachelor of Music degree core with emphasis in Music Education, Track for Instrumental/Band Instructor as outlined in the Dept. of Music section of the *Catalogue* plus the Secondary Professional Education Core.

Music Education, Vocal/General Music K–12

Complete the Bachelor of Music degree core with emphasis in Music Education, Track for General/Choral Instructor as outlined in the Dept. of Music section of the *Catalogue* plus the Secondary Professional Education Core.

Physical Education K–12

Complete the major in Physical Education and Health as outlined in the Dept. of Physical Education, Wellness, and Sport section of the *Catalogue* for licensure, plus the Secondary Professional Education.

Physics 7–12

Complete the Physics major as outlined in the Dept. of Physics section of the *Catalogue* for licensure, plus the Secondary Professional Education.

School Social Worker, PreK–12

Complete the major in Social Work to include SW 340 and complete SW 490 in a school setting, as outlined in the Social Work section of the *Catalogue*.

Spanish 7-12

Complete the Spanish major, Teacher Education track, as outlined in the Dept. of Language section of the *Catalogue* plus the Secondary Professional Education.

Special Education Modified K–12 and Comprehensive K–12

Complete the major in Special Education and the Professional Education tailored for licensure in Special Education as outlined in the School of Education section of the *Catalogue*. To add Elementary K-6, take UNI 300 and either GEO 215 or 216.

Speech Communication (7-12) & Theater K–12 dual endorsements

Complete the Theatre & Speech major with Teacher Licensure emphasis as outlined in the Dept. of Communication Arts section of the *Catalogue* plus the Secondary Professional Education.

Visual Art K–12

Complete the major in Art as outlined in the Dept. of Art section in the *Catalogue* for licensure, plus the Secondary Professional Education.

Additional endorsement

Courses required for additional endorsements total roughly the equivalent of a minor but include specified courses to focus on knowledge and skills as determined by the Tennessee State Department of Education. Based on state guidelines for additional endorsements, passing scores on all specialty area tests for any secondary endorsement area can be accepted in lieu of coursework. Add-on requirements are available through the Assistant Dean. Based on input from P-12 Directors of Personnel, students seeking initial licensure in the following areas are strongly encouraged to add endorsement(s) as indicated: History add-on Government and/or Economics and/or Geography; Biology, Chemistry, or Physics add-on another science area; Physical Education add-on Health and/or another area.

Student Services/ General Information

Academic advisor. Students are assigned an academic advisor within the major department.

Practicum/Student teaching supervision. Students enrolled in practicum experiences and student teaching are assigned a university supervisor who observes the student regularly in the teaching environment and provides feedback regarding strengths and areas that need strengthening. Weekly meetings are held with the student teacher and the university supervisor.

Assistant Dean. The Assistant Dean is available during regular office hours to answer questions regarding programs of study, testing requirements, teacher licensure, employment opportunities, and other topics related to the TEP. The student is responsible for scheduling an appointment with the Assistant Dean for a Graduation Audit during both the junior and senior years to assure completion of requirements for graduation and licensure.

Director of Clinical Experiences. The Director is responsible for placement of all field experiences including observations, practica, and student teaching.

DEPARTMENT OF PHYSICAL EDUCATION, WELLNESS, AND SPORT

COLLEGE OF EDUCATION AND HUMAN STUDIES

Faculty

Linn M. Stranak (1980). University Professor of Physical Education and Department Chair. B.S., Union University; M.S., University of Kentucky; D.A., Middle Tennessee State University. Additional study, United States Sports Academy.

Matt Brunet (2004). Assistant Professor of Sport Management. B.S., Indiana Wesleyan University; M.A., Wayne State University; Ed.D., Union University.

Mark Campbell (1996). Assistant Professor of Physical Education and Head Women's Basketball Coach. B.S., David Lipscomb University; M.Ed., Union University.

Kelly Elliott (2004). Assistant Professor of Physical Education. B.A., King College; M.A., East Tennessee State University; M.Ed., University of Louisville.

Jennifer Farroll (2010). Assistant Professor of Athletic Training. B.S., University of Central Florida; M.S., University of South Carolina.

Gary Johnson (1994). Professor of Physical Education and Head Cross Country Coach. B.S., Union University; M.S., University of Memphis; D.A., Middle Tennessee State University.

David Niven (1999). Assistant Professor of Physical Education, Wellness and Sport and Head Men's Basketball Coach. B.S.E., Oklahoma Baptist University; M.Ed., East Central University.

Cliff Pawley (2001). Assistant Professor of Athletic Training and Program Director. B.S., Southern Illinois University; M.Ed., University of Louisiana, Monroe; Additional study, University of Memphis and Union University.

Julie Powell (1995). Associate Professor of Sport Management. B.S. and M.Ed., Union University; Ed.D., North-Central University.

Andy Rushing (1988). Assistant Professor of Physical Education, Head Golf Coach, and Director of Athletic Facilities and Fields. B.S., Union University; M.S., University of Memphis. Additional study, United States Sports Academy.

Mission Statement

The Department of Physical Education, Wellness, and Sport hopes to instill in its student majors a lifetime desire to help others gain in total health through the medium of human movement. Curriculum is designed accordingly.

For the entire student body, our task is to introduce them to knowledge and skills in order to develop a healthy lifestyle for optimum living.

Curriculum

The Department believes physical education to be that part of the total educational program which adds its unique contribution through the medium of activity or movement. The Department emphasizes the acquisition of motor skills as of value for lifetime physical recreation activities, the development of socially desirable habits and attitudes, and knowledge, which contribute to the overall aims of education.

Aims of the Department are: to develop physical skills for lifetime use; to develop scientific knowledge and attitudes for optimum development of health through fitness; to cultivate socially desirable characteristics; to offer wholesome recreation; to develop ideals; to prepare teacher coaches, physical educators, certified athletic trainers, and sport managers for many career channels; and to develop the total person through physical activity.

More specifically, the Department has as its center the philosophy to develop a greater quality of life for all people. To ensure this, the faculty stress leadership and communication through each program affected. Growth and development of the individual as exposed to activity should occur. Another significant aspect of education enveloped by the department is meaningful use of leisure under the concept of wellness. Prescription programs are emphasized in exercise/wellness. Education of sport management students includes moral and ethical responsibility in the business of sport.

The Athletic Training Education Program at Union University offers to its students an academic environment that fuses the elements of sports medicine and the dynamics of intercollegiate athletics with the values of Christian higher education. The Athletic Training Education Program is accredited by the Commission on Accreditation for Athletic Training Education (CAATE) and consists of a three year, sequential education process that demands didactic and clinical involvement. Upon completion, the student will be eligible for certification, credentialing, and licensure via the Board of Certification and state medical boards that require licensure for certified athletic trainers to meet the standards of state practice or title protection acts.

Knowing education is a continuous process, the program should create and maintain an environment through movement experiences where values clarification and experiential learning occur; leadership develops; a serving attitude, lifestyle, and commitment are fostered; and problem-solving opportunities exist.

The Department offers majors in Physical Education leading to Tennessee Teacher Licensure, Athletic Training, Exercise Science/Wellness under Sports Medicine; and Sport Marketing and Sport Communication under Sport

Management. The Physical Education Major requires the completion of the Professional Education Minor as noted below. Athletic Training, Exercise Science/Wellness and Sport Management are exempt from the requirement for a minor. The Department, with the Department of Christian Studies, also offers a major in Sport Management with a Sport Ministry Emphasis.

I. Major in Physical Education and Health with Teacher Licensure in PE (Grades K–12)

- A. Major requirements—33 hours
1. Select one of: PEWS 103, 105, or 203.
 2. Select one of: PEWS 104, 110, 111, 119.
 3. PEWS 120, 130, 201, 222, 316, 324, 350, 410, 414, 415, 416, 419.
- B. Professional Education: EDU 150, 250, 326, 421, 435; PSY 213, 318; SE 225.
- C. Completion of applicable portions of the Praxis II series.
- E. For additional information, see the Assistant Dean for Teacher Education and Accreditation.
- F. Prerequisite: BIO 221 or 222, and MAT 114

II. Major in Exercise Science/Wellness

- A. General and B.S. Specific Core Science requirements: BIO 221, 222
- B. BIO 322, CHE 111 and PHY 213 are recommended.
- C. Exercise Science Emphasis—51 hours
1. PEWS 113, 218, 222, 240, 324, 333, 343, 410, 414, 415, 416, 433
 2. Emphasis requirements—15 hours
 - a. Choose any three activity classes
 - b. PEWS 435 (6 hours), 461
 - c. PSY 330
- D. Recommended electives toward fitness management: PEWS 342, 419; FIN 320; MGT 318; MKT 328, 350.

III. Major in Athletic Training—69 hours

- A. PEWS 113, 170, 218, 222, 240, 414, 415, 461
- B. AT 170, 265, 275; PSY Elective; BIO 300.
- C. AT 318, 350, 360, 361, 370, 455, 460
- D. AT 365, 375, 465, 475
- E. Other requirements satisfied through General and Specific Core requirements: BIO 221-2; 322; PHY 111 or 213.
- F. Recommendations: CHE 111 and 112

IV. Major in Sport Management—54 hours

- A. Core for all majors—PEWS 201, 205, 300, 342, 343, 362, 400, 419, 421, 435 (6 hours)—33 hours
- B. Sport Marketing Emphasis—21 hours
1. PEWS 340, 425
 2. MKT 330, 328, 433
 3. ACC 211
 4. MKT or MGT Elective
- C. Sport Communication Emphasis—21 hours
1. COM 120 & 360
 2. Either COM 220 or 230
 3. ACC 211
 4. Electives from PEWS, COM, and MKT or MGT (3 hours from each)
- D. Sport Ministry Emphasis—21 hours
1. CHR 113, 243, 333

2. PEWS 251 & 320
3. MGT 318
4. Choose one: PEWS 231, 317, 425

I. Minor: Physical Education—21 hours

- A. PEWS 201, 222, 414, 416, 419—15 hours.
- B. Select 6 Electives hours from PEWS.

II. Minor: Physical Education (add-on teaching endorsement, PE K–12)—23 hours

- A. PEWS 120, 130, 201, 222, 316, 410, 414, 416, 419.
- B. BIO 221 or 222; EDU 421.
- C. Completion of applicable portions of the Praxis II series.
- D. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

III. Minor: Athletic Coaching—21 hours

- A. Open only to non-PEWS majors.
- B. PEWS 218, 414, 415, 419, 421.
- C. Choose 6 hours from PEWS 351, 352, 353, 354.

IV. Health Education—21 hours:

- PEWS 113, 222, 301, 322, 324, 327; and 3 hours from: PSY 330, 328; PEWS 421/PSY 422.

V. Health Education (add-on teaching endorsement, Health K–12)—12 hours.

- A. PEWS 113, 222, 301, 327
- B. Completion of applicable portions of the Praxis II series.
- C. For additional information, see the Assistant Dean for Teacher Education and Accreditation.

Assessment of Majors

Physical Education majors are required to take a written exit examination the semester prior to or during the semester of graduation. This will consist of an equivalent form exam with questions furnished by all members of the department according to their area of emphasis. The exit exam is a general, broad-based test, covering the major areas of professional preparation and requiring a minimal mastery level of 70% correctness.

Student Organization

Sigma Delta is an academic fraternity that desires to improve scholarship and professional development among physical education students. Membership is open to any student attending Union who is seeking a degree (major or minor) in physical education or related field. To be eligible, a student must have completed at least one semester of college work with a 2.75 overall GPA and 3.25 in physical education.

Student Awards

The **Fred DeLay Memorial Award**, established by the late Mr. DeLay in memory of his father, is presented to the honor athlete of the Senior Class. The recipient must be, in addition to being the outstanding athlete, a person of high academic standing, unquestionable loyalty, and good character. Mr. DeLay was Head of Athletics 1937-1945 and 1948-1949.

Course Offerings in Physical Education, Wellness, and Sport (PEWS)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

100. Fitness for Health (1) F, W, S

The effects of good personal fitness on each individual, of fitness training on the various systems of the body and how the body responds to exercise will be areas of emphasis. Includes lecture and selected physical activities which are designed to aid each student in achieving a greater degree of total body fitness.

*103. Beginning Swimming (1) F, S

A course to equip the non-swimmer with basic water safety skills and knowledge in order to make him/her reasonably safe while in, on, or about water.

*104. Racquetball (1) F, W, S

Beginning skills, rules and strategy. A life-time sport that will focus on health development through vigorous activity.

*105. Intermediate Swimming (1) F

Prerequisite: PEWS 103.

For deep-water swimmers to familiarize the student with safety rules, and skills, recreational possibilities, and physiological benefits of swimming. Emphasis is on mastery of basic strokes necessary to be a safe and competent swimmer.

*106. Tennis (1) F, S

*107. Bowling (1) W

Introduction to the rules, techniques, scoring, and etiquette of bowling.

*110. Volleyball (1) W

*111. Badminton (1) F, W

113. Elementary Nutrition (3) S

Elementary principles of nutrition and their application to the individual and the family.

*115. Snow Skiing (1) On Demand

An introduction to skills, proper dress, safety, and conditioning techniques; application of skills learned through a week-long field trip.

*116. Canoe and White Water Rafting (1) On Demand

An introduction to develop skills and provide proper instruction in the areas of safety.

*117–27. Karate I (1) F, S and Karate II (1) S

Prerequisite to 127: PEWS 117 or consent of instructor. Blocks, kicks, strikes, punches and necessary stances for execution will be taught to develop skill, strength, and general health.

*119. Archery (1) W

120. Team Sports (1) F

Fundamental skills, rules, techniques, and strategy of team sports.

*121. Golf (1) F

The fundamentals of golf: basic strokes, strategies, rules, and etiquette as taught for skill development and health values. Instruction primarily by demonstration.

*122. Weight Training (1) S

Basics of weight training as a method of gaining strength: proper techniques, safety, benefits and risks. Taught by demonstration and participation.

*125. Scuba Diving (1) F, S

Introduction to scuba diving and snorkeling including safety, technique, and equipment use and care. Scuba certification is possible upon completion.

*126. Advanced Tennis (1) F, S

An advanced level course designed to teach advanced skills and techniques for tennis as taught through conditioning, drills and match play.

130. Individual-Dual Sports (1) S

Fundamental skills, rules, techniques and strategy of individual-dual activities to include wallyball, golf, horseshoes, table tennis, gymnastics stunts and tumbling, and wrestling.

170. Medical Terminology (2) F, S via web

An introduction to medical terminology for those interested in careers in allied health care. Students will learn word roots, combining forms used to describe anatomical parts and landmarks, suffixes, prefixes and abbreviations that are commonly used in health care communication, documentation, and charting.

201. Introduction to Physical Education and Sport (3) S

The historical background, general scope, principles, philosophy, and objectives of health and physical education in its relationship to education as a whole.

*203. Lifeguard Training (1) S

A course to provide the strong swimmer with the knowledge and skills designed to save his/her own life or the life of another in the event of emergency.

205. Sport Media (3) S

Reciprocal credit: COM 205.

The history of event coverage of print and electronic media as well as fundamentals of sport coverage, broadcast rights, contracts and their effects on revenue stream.

218. Athletic Injuries (3) F, W

Theory and practice of recognizing, identifying, and treating common injuries in PE and athletics with attention to upper and lower extremities and spine.

222. First Aid (3) F, S, Su

The nature of injury and immediate care required: bandaging and cardio-pulmonary resuscitation will be studied as well as all general First Aid practices. Students completing the course will earn first aid/CPR certification.

230. Outdoor Education and Hunter Safety (3) On Demand

Outdoor activities: camping, hunting, backpacking, field safety, survival, wildlife management, conservation, skeet shooting, compass reading, archery, and rifle range. Stresses outdoor ethics and responsibility. The Tennessee Hunter Safety program is included.

231. Camping and Outdoor Recreation (3) S

A course preparing students to lead in outdoor recreation activities; campcraft skills, safety, and techniques will be taught for the beginning camper as well.

240. Introduction to Sports Medicine (3) F, S

Emphasis on the global approach to sports medicine and contemporary topics with attention to the basis of sports medicine, physiology of activity.

250. Introduction to Recreation (3) As Needed

Foundations in recreation, introducing students to its nature and philosophy to include a study of Southern Baptist literature from the Church Recreation Department and general programs of recreation.

251. Recreational Sports and Games (3) F

High and low organizational games classified according to age levels for playground and recreation. Special activities and recreation, drama, indoor/outdoor games, songleading, storytelling, and mixers. Includes an on-campus practicum.

300. Sport Sociology (3) S—Even Years

Reciprocal credit: SOC 300. See SOC 300 for course description.

301. Drug Education (3) F, Su

Psycho-social, medical, legal, and health aspects of drugs and their abuse, plus a current analysis of the problem in our society.

316. Physical Education in the Elementary Schools (3) F, W

Techniques of teaching and curriculum planning including selection of materials suitable for different age levels in Grades 1-8. Movement Education concepts are stressed.

317. Organization and Administration of Intramural/ Recreation Sports (3) As Needed

Planning, organizing, and directing a coordinated program of recreation within a school. Attention is given to units, time, activities, points, awards, rules, finances, publicity, co-recreation, and administrative problems.

319. Officiating Major and Minor Sports (2) S—Even Years

Techniques and mechanics of officiating and interpreting the official rules of major sports. This course will prepare you for membership in local and state officials' associations.

320. Sport Ministry and Recreation Management (3)

A course which focuses on the Great Commission and how Sports/Recreation activities can be used as a bridge to fulfill such. This course will provide students with the foundational knowledge to plan, implement, and evaluate a Sports Ministry program within various settings.

322. School Health Education (3) F, Su

Aims, methods, and materials for teaching health in Grades 1-12. Includes the study of human relations in mental hygiene, family relations, and community relations.

324. Personal Hygiene (3) F, Su

Care of the body health-wise looking at fitness, drugs, nutrition, diet and weight control, disease control and treatment, along with structure and function.

327. Environmental and Community Health (3) S—Even Years

Problems of sanitation, water supply, waste disposal, insect and rodent control, sanitary control of milk and foods, school and restaurant sanitation, and inspection services. Emphasis is on problems in house heating, ventilation, lighting, and other community health problems.

331. Methods and Materials for Recreation Leaders (3) F—As Needed

Practical methods and resources for recreation practitioners. Attention will be given to conducting recreational programs, creativity, and a variety of recreation projects.

333. Principles of Health and Fitness Instruction (3) F

Introduces health/fitness and sports medicine professionals to the practice of health and fitness instruction. Theories and principles of health and fitness lifestyle management techniques used to become a certified health/fitness instructor or personal fitness trainer will be the primary focus.

340. Sport Marketing (3) F

Prerequisite: MKT 328.

Basic marketing concepts in the sports industry. Fundamental techniques of advertising, sales, promotion, fund-raising, and journalism will be explored in relation to sports.

342. Facilities and Equipment Management in Physical Education and Sport (3) F

Planning of areas and facilities related to physical education, recreation, and athletics. The course addresses topics related to selecting, purchasing, and maintaining equipment.

343. Sport Law (3) F

Basic marketing concepts in the sports industry. Fundamental techniques of advertising, sales, promotion, fund raising, and journalism will be explored in relation to sports.

***350. Rhythms (2) S**

A practical activity course to instruct the student in modern methods of movement education through the use of rhythmical activities.

351. Coaching Football (2) F—Odd Years

Modern techniques of coaching and training in the sport of football.

352. Coaching Basketball (2) F—Even Years

Theory and practice in the fundamentals of men's and women's basketball designed to benefit teachers going into the coaching field.

353. Coaching Baseball (2) S—Odd Years

Modern techniques of coaching and training in the sport of baseball.

354. Coaching Volleyball and Softball (2) S—Even Years

Fundamentals and strategy utilized in coaching volleyball and softball.

362. Sport Finance

Basic finance concepts in the sport industry. An investigation into the real world of financial management and how to apply financial concepts and appreciate sound sport management operations. The course will distinguish the skills and principles of finance from those of economics. Taxation, legal issues, financial analysis, and planning will also be covered as they relate to the sport industry.

400. Ethics in Sport (3) S—Odd Years

Reciprocal: CHR 400.

A study of the development of a code of ethics in sport management including the effect of relativism and rationalism on ethical behavior, personal moral development levels, and the effects of personal ethics on organizational responsibility.

410. Adaptive Physical Education (3) S

A course to acquaint the student with physical education techniques and procedures involved in teaching typical and atypical students.

411. Practicum: Adaptive Physical Education (4) As Needed

A course designed to provide experiences in working with special populations. A minimum of 140 clock hours, to include orientation, seminars, and other duties deemed necessary by supervisor is required.

414. Kinesiology (3) F

Prerequisite: BIO 221.

A study of the human musculature and the body's structural relationship to exercise and skilled motor performances.

415. Physiology of Exercise (3) S

Prerequisite: BIO 221.

Physiological changes which occur during and after physical activity including circulatory, respiratory, endocrine, and nervous systematic adjustments.

416. Tests and Measurements in Health and Physical Education (3) F

Basic statistical procedures, use of standardized tests, norms, screening tests, grading procedures, and test construction for skills and lecture materials pertaining to health and physical education. MAT 114 recommended before taking this course.

419. Organization and Administration of Physical Education and Sport (3) F

Administrative problems in a department of physical education in the city school system, rural districts, elementary and high schools and colleges.

421. Sport Psychology (3) S

Prerequisite: PSY 213. Reciprocal credit: PSY 422.

Examination of psychological factors on sport and exercise performance dealing with issues affecting personnel and participants in the industry. Topics include: psychological strategies, coping skills, motivation, burnout, injuries, team dynamics and behavior.

425. Current Issues in Sport (3) F

Contemporary trends and controversial issues in sport with an emphasis on finance, management, ethics, sociology, marketing and legal issues. Includes an ongoing review of sport business journals and publications as well as event coverage.

431. Church Ministry Internship/Field Experience (3) As Needed

A full semester in a local church recreation program, YMCA or FCA. The student will direct a lock-in, organize a day camp program, survey for recreation needs, conduct a special recreation day, etc. The student will keep a log of his/her activity, write a major paper and spend 6 hours per week on site.

433. Strength, Conditioning, and Human Performance (3) F

Strength and conditioning practices that supplement the science learned in exercise physiology and kinesiology. This class is designed to prepare students for gaining certification in ACSM, NSCA, or personal fitness.

435. Intern (1-6) F, W, S, Su

Internship opportunities under appropriate supervision for a specified time, with specific requirements determined by the department supervisor(s). 35 clock hours internship experience required for each hour of credit. One credit hour must be done on campus. Prerequisite: Junior standing and consent of the department.

461. Exercise Testing and Prescription (3) S

Corequisite: PEWS 415.

A study of the controlled use of exercise to evaluate the fitness level, especially the cardiovascular function of persons, specifically those in middle and older age groups. Emphasis will be placed on the scientific basis of recommending exercise programs as a prevention of heart disease. Concepts of exercise testing and prescription will follow the guidelines of the American College of Sports Medicine.

* Physical Activity Courses applicable to the General Core Curriculum

Athletic Training Major and Program

Mission Statement

The mission of Union's Athletic Training Education Program is to challenge its students to become highly effective allied health care professionals and leaders in the Christian community, incorporating both professional and spiritual growth in their life plans. Union incorporates into the foundation of education the equally important components of being *Christ centered, people focused, excellence driven and future directed*. The Union University athletic training student will study in a Christ centered atmosphere that challenges students to develop spiritually and intellectually so they can serve professionally in their community as Certified Athletic Trainers and become spiritual leaders in the church. Union University's athletic training students are exposed to a dynamic scholastic environment that fuses the medical sciences with Christian faith, ethics and accountability in a variety of clinical settings including intercollegiate athletics, high school athletics, orthopedic and general medicine venues, and other allied health care communities.

Curriculum

Accreditation

The Athletic Training Program of Union University is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

Admission Requirements

- All applicants must apply, be accepted and admitted to Union University.
- All applicants must complete or be currently enrolled in PEWS 240 Introduction to Sports Medicine or PEWS 218 Care and Prevention of Athletic Injuries and complete the course with a grade of B (3.0 on a 4.0 scale) or better to meet the retention standards of the Athletic Training Education Program. Applicants must also complete PEWS 170 and PEWS 222.
- All applicants must present a cumulative grade point average of 2.5 on a 4.0 scale.
- All applicants must submit to the Program Director a completed application for admission to the Athletic Training Education Program by the deadline of April 1 for formal enrollment in the following fall semester. Applications that are received after this date will be considered based on the maximum enrollment space available in the Athletic Training Education Program.
- All applicants must submit a current transcript from all institutions that they have previously attended.
- Criminal background check and drug screening clearance is mandatory for program admission.
- If the number of applicants outnumbers the program's spaces available, the prospective students will be asked to meet with the ATEP faculty for a formal interview.

Competitive Admissions Process

Acceptance in Union University's Athletic Training Education Program (ATEP) involves a selective process of competitive program admission. Prospective students may declare their major to be athletic training upon entrance to Union University, but each student must still be formally admitted to the ATEP before entering into the clinical phases of the sequential curriculum. Candidates must meet all criteria for acceptance in the program. A student may complete all criteria for admission but that does not guarantee acceptance into the program. Prospective candidates must submit the formal application to the Program Director of athletic training education by April 1 of each year to be considered for fall enrollment. All applicants will be ranked in accordance with their performance in the following categories: (1) academic potential, (2) success in pre-requisite coursework, (3) standardized scores (ACT, PSAT or equivalent), (4) recommendation/references, and (5) a formal interview with the ATEP Selection Committee. During the interview, each member of the ATEP Selection Committee will complete a scoring scale. Candidates will be evaluated on intellectual, social and technical skills relative to the athletic training profession. All components of the application process are individually weighted and scored. Individual scores are incorporated into a cumulative score that determines the candidate's rank. Enrollment in the ATEP is limited to a program capacity of forty (40). Final admission into the program rests with the decision of the ATEP Selection Committee. All student candidates will receive the admission decision in writing by May 1. Student candidates who were denied admission into the ATEP will have the opportunity to reapply for admission for future enrollment.

Program Requirements

- All ATEP students must complete a physical examination from a licensed medical practitioner and submit a complete health history and record of immunizations.
- All ATEP students must sign agreements in reference to the technical standards of the program, acknowledgment of the Union University Athletic Training Student Handbook, and the Hepatitis B Vaccination Election Form.
- All ATEP students will be required to maintain CPR certification (Professional Rescuer or equivalent) for the duration of the program.

Operational Fair Practices and Additional Fees

Some additional fees will apply upon entrance into Union University's Athletic Training Education Program.

- Each student will be billed a laboratory fee of \$50.00 per semester for clinical course work (AT 265, 275, 365, 375, 465, 475).
- Each athletic training student will be billed an additional fee of \$25.00 per year for liability insurance.
- Each athletic training student will be required to invest in professional attire in order to meet the standards of professional practice in clinical education.

Course Offerings in Athletic Training (AT)

() Hours credit; F–Fall; W–Winter; S–Spring; Su–Summer

170. Taping and Risk Management (1) F

An introduction to basic taping, preparation, wrapping and casting techniques that are common practice in athletic training and sports medicine. Content is based upon the 4th Edition Nation Athletic Trainer's Association Education Competencies/Risk Management and Injury Prevention domain.

318. Advanced Injury Management (3) S

Prerequisite: PEWS 218

Advanced preparation for triaging, treating, managing and rehabilitating chronic and acute athletic injuries that occur in sport and physical activity. The course focuses on specific etiologies, signs, symptoms, immediate care, conservation management and surgical implications of injury and disease processes to the orthopedic anatomy. Course content is based on the 4th Edition Nation Athletic Trainer's Association Education Competencies in the categorical domain of Risk Management and Injury Prevention.

350. Administration and Management Strategies in Athletic Training (3) F

An introduction to the administrative and management strategies incorporated in professional, intercollegiate, secondary school and clinical athletic training professional settings. Topics include policies and procedures, legalities in sports medicine, health care code, ethical codes of conduct and standards of reasonable care, and compliance with OSHA and HIPAA in allied health care.

360. Therapeutic Modalities (3) S

Prerequisite: PEWS 218.

This course introduces the student to the various thermal, mechanical and electrical agents/modalities that are used in athletic health care and physical therapy to promote healing and rehabilitation. The class consists of lecture and lab based instruction of the use the electrical stimulation, cryo/thermotherapy, hydrotherapy, ultrasound, traction, therapeutic massage, biofeedback, and compression therapy.

361. Evaluation I: Upper Body, Spine and Extremities (3) F

Prerequisite: PEWS 218. Corequisite: BIO 221

An introduction to the evaluation process which includes the identification, medical assessment, management, treatment and referral guidelines for athletic injuries of the upper body, cervical and thoracic spine and upper extremities. Topics include principles of injury recognition and classification to head and face, cervical spine, shoulder complex, elbow, wrist and hand.

370. Evaluation II: Lower Body, Lumbar Spine and Extremities (3) F

Prerequisite: PEWS 218. Corequisite: BIO 221

Introduces the student to the evaluation process which includes the identification, medical assessment, management, treatment and referral guidelines for athletic injuries of the lower body, lumbar spine and lower extremities. Topics of instruction include the principles of injury recognition and classification to the abdominal, thorax, lumbar spine, hip, knee, ankle and foot.

455. General Medicine & Pharmacology in Athletic Training (4) S

An introduction to the cognitive, affective and psychomotor domains of pharmacology and general medicine as they apply to athletic injuries and sports medicine while exploring the various systemic illnesses .

460. Therapeutic Exercise and Rehabilitation (3) S

Prerequisite: PEWS 218, BIO 221.

This course introduces the student to the clinical applications of therapeutic exercise and the rehabilitation process for athletic injuries in sports medicine and physical therapy professional settings. A lecture and lab that focuses on the use range of motion, strength, muscular endurance and muscular speed exercises, proprioceptive neuromuscular facilitation, and joint mobilization to promote health and wellness following injury. Off-campus physical therapy/rehabilitation clinics for instructional purposes.

Clinical Courses

Each clinical course carries out a modular approach to the development of clinical skills for athletic training education per the NATA Athletic Training Education Competencies for Athletic Training Education Programs, Fourth Edition. The student is required to demonstrate clinical proficiency in cognitive and psycho motor competencies that are presented in the prerequisite coursework. Clinical education also requires an evaluation of the field experience.

265. Athletic Training Clinical I (3) F

Pre/Corequisite: PEWS 218, 240.

Basic Skills: the development of first year clinical skills and their assessment.

275. Athletic Training Clinical II (3) S

Pre/Corequisite: PEWS 218, 240.

Risk Management: the development of first year clinical skills and their assessment.

365. Athletic Training Clinical III (3) F

Prerequisite: AT 360.

Therapeutic Modalities: the development of second year clinical skills and their assessment.

375. Athletic Training Clinical IV (3) S

Prerequisites: AT 361, 370.

Evaluation and General Medical Assessment: the development of second year clinical skills and their assessment.

465. Athletic Training Clinical V (3) F

Prerequisite: AT 460.

General Medicine and Pharmacology/Therapeutic Exercise and Rehabilitation and Senior Practicum: the development of third year clinical skills and their assessment.

475. Athletic Training Clinical VI (3) S

Prerequisites: AT 350, 455.

Professional Preparation and Senior Seminar: the development of third year clinical skills and the assessment of clinical proficiencies.

Available in each departmental prefix.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand

295-6-7. Special Studies (1-4) On Demand

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-3) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

498-9. Seminar (1-3) On Demand

To be used at the discretion of the department.

Faculty

Janet E. Furness (2008). Associate Dean, Professor, and Director, Master of Social Work Program—Jackson. B.S., Philadelphia Biblical University; M.S.W., Rutgers, the State University; Ed.D., University of Rochester.

Shuna L. Mason (2010). Assistant Professor of Social Work and Director of B.S.W. Adult Studies Program—Germantown/Olford Center. B.A., Hendrix College; M.L.S.P. and M.S.S., Bryn Mawr College.

Mary Anne Poe (1996). Professor of Social Work, Director of B.S.W. Traditional Program—Jackson, and Director of the Center for Just and Caring Communities. B.A., Vanderbilt University; M.S.S.W., University of Louisville; M.Div., Southern Baptist Theological Seminary, A.C.S.W.

Kristie Holmes (2007). Associate Professor of Social Work. B.S., California Polytechnic State University; M.S.W., University of Southern California; Ph.D., Capella University.

Rhonda Hudson (2006). Associate Professor of Social Work and Director of B.S.W. Adult Studies Program—Jackson. B.S., Florida A&M University; M.S.W. and Ph.D., Barry University.

Theresa L. Blakley (2003). Professor of Social Work. B.S., Sam Houston State University; M.S.W. and Ph.D., Barry University, A.C.S.W., L.C.S.W.

Nita Mehr (2009). Associate Professor of Social Work. B.S.W., Freed-Hardeman University; M.S.S.W., University of Tennessee.

Virginia Schwindt (2009) Assistant Professor of Social Work and M.S.W. Field Director—Jackson. B.B.S., Hardin-Simmons University; M.S.S.W., University of Texas at Arlington.

Michelle Sherrill (2011). Assistant Professor of Social Work and B.S.W. Field Director—Olford Center/Germantown Campus. B.S.W. and M.S.W., Indiana University.

Todd Stanfield (2007). Professor of Social Work. B.S.W. and M.S.W., University of Alabama; Ph.D., University of Tennessee.

Beth Wilson (2009). Associate Professor of Social Work. B.S.W., Philadelphia Biblical University; M.S. W., University of Wisconsin-Milwaukee; Ph.D., University of Tennessee.

Roslyn Wilson (1995). Associate Professor of Social Work and B.S.W. Field Director—Jackson. B.S., Tennessee State University; M.S.S.W., University of Tennessee.

Mission Statement

The mission of the BSW Program is to prepare competent and effective professionals for leadership as social work practitioners. In a context of Christian higher education, the program fosters compassionate service, promotes social and economic justice, and equips students for excellence in social practice in entry level professional positions.

Graduates work in a diversity of public and private settings, including child advocacy and welfare, children and youth counseling, school social work, medical social work, church social work, missions, foster care and adoptions, geriatric social work, and mental health. The major also emphasizes preparation for graduate study. Graduates from the BSW program are eligible to apply for advanced standing in graduate programs leading to a master's in social work degree, MSW.

Curriculum

A student majoring in Social Work will receive the Bachelor of Social Work degree. The student must successfully complete the General Core requirements and B.S.W. specific requirements as outlined below:

General Core Requirements

As required by the university but to require inclusion of PSY 213 (prerequisite) and recommendation of BIO 121 from Science group A and MAT 114 for the Mathematics requirements. Social Work majors are exempt from the COM 112 or 235 requirement; those skills are covered in the major.

B.S.W. Specific Core (18 hours)

SOC 211, Language (3 hours), Language or Culture (3 hours, see ICS Major), 9 hours of advisor-approved electives from at least 2 disciplines outside Social Work. For the student seeking the B.S.W. as a 2nd bachelors, the following are considered prerequisites from the core: PSY 213, SOC 211, Language (3 hours) and Language or Culture (3 hours).

I. Social Work Major—51 hours

- A. SW 200, 300, 301, 305, 310, 335, 421—do not require admission to the program
- B. SW 315, 400, 401, 402, 423, 490—require admission to the program
- C. SW Elective—6 hours

II. Licensure as a School Social Worker

- A. Complete major and core requirements as detailed above
- B. SW 340 and complete SW 490 in a school setting.

III. Tennessee Public Child Welfare Certification

- A. Complete major and core requirements as detailed above
- B. Complete SW 338 and 348
- C. Complete SW 490 with the TN Department of Children's Services

IV. The Bachelor of Social Work is also available as an Adult Studies Program

See below for details.

Admission Requirements to the Social Work Program

A student may declare a major in Social Work upon admission to the university. Prior to the junior year, the student makes an application for entry into the program. The following are requirements for admission to the program in the sophomore year:

- Complete an application form.
- One faculty reference, one personal reference.
- Have at least 2.25 CUM GPA.
- Complete SW 200 and 310 with at least a grade of "C." These may be taken in the first semester after admission to the program, though it is advisable to complete them prior to program admission.
- Complete the General and B.S.W. Specific Core preferably prior to program admission.
- Complete an interview with the Social Work Program Admissions Committee. Knowingly making a false oral or written statement during the admission process can result in denial of admission to the program. The Social Work Program Admissions Committee may require outside evaluations, assessments, and/or opinions of professionals as is deemed necessary.
- Possess these personal qualities: Self-awareness, empathy, objectivity, appreciation of diversity, professional commitment, and a liberal arts base of knowledge.
- Sign a statement indicating that he/she has read and will follow the Code of Ethics of the National Association of Social Workers.

Assessment of Majors

Students must complete SW 490 with a minimum of 424 clock hours in an approved social service agency during their senior year. Students must have a minimum 2.5 SW GPA to enroll in SW 490 and 423. For graduation, SW 490 must be completed with a passing grade and 423 with a B or higher. SW 423 helps the student integrate and evaluate all the knowledge, values and skills covered in previous coursework.

Senior SW majors must complete a senior capstone integrative project that demonstrates the student's competency of the program learning objectives.

General Information

The Social Work Program is accredited by the Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, VA 22314-3457.

The Director of the BSW Program is responsible for overall administration of the Program. The director is available during office hours to answer questions regarding the program, employment opportunities, professional associations and licensures, and other questions related to the social work profession.

The BSW Field Director has primary responsibility for the field education component of the Program including implementation of field processes and procedures and maintaining effective working relationships with sites, field instructors, and students.

Agency Field Instructors supplement the educational program in social work by providing supervision to senior students who are completing 424 hours of field work in an approved agency. These instructors provide on-the-job instruction and supervision, hold weekly conferences with the student, and assist in the evaluation of student performance and learning. A fee of \$50 is charged to the student the semester they are enrolled in SW 423, Senior Seminar.

A student who is completing agency field experiences as part of the requirements in social work practice courses will be required to purchase Professional Liability Insurance. The annual fee, approximately \$25.00, will be charged to the student's account during the semester in which he/she is registered for these courses.

The *BSW Program Student Handbook*, available in the office of the Director and on the School of Social Work website (www.uu.edu/academics/coehs/socialwork), describes all aspects of the program including an introduction to the profession, Union's program objectives and goals, curriculum, admission and termination/probation policies, transfer policies specific to CSWE accredited and non-accredited schools, grievance procedures, student organizations, and student rights and responsibilities. The Handbook details, in full, the circumstances under which the student may be placed on probation or terminated from the program, if, in the professional judgment of the Social Work faculty, violations of professional or ethical codes have occurred or in the event of unacceptable academic achievement.

Social Work Agency Agreements

All social work majors are required to obtain professional social work field experience in a local community agency. Numerous local social service agencies provide the setting for this practicum. The *BSW Field Placement Manual* clarifies expectations regarding this experience and identifies the cooperating agencies. It may be obtained from the Social Work faculty.

Student Organizations

The student organization, **Social Work Reaches Out**, is for majors in social work and those interested in social work. The organization assists in developing professional social work identity and provides an opportunity to be involved in volunteer community social service. Service opportunities include child mentoring and advocacy, nursing home activities, community organizing, and resource development. The organization gives students regular opportunity to interact with others having similar interests.

Phi Alpha, National Honor Society for Social Work Students, Eta Phi Chapter, fosters high standards of education for social workers and invites into membership those who have attained excellence in scholarship and achievement in social work. Social Work majors with an overall GPA of 3.4 and a GPA of 3.7 in social work courses may be considered for membership. Students become eligible to be invited for membership at the end of their Junior year in the Social Work Program.

Student Awards

Outstanding Social Work Graduate. This award is given to the graduating senior with high academic achievement, outstanding performances in Field Practicum, and faculty and peer recommendation.

Phoenix Award. This award is given to the student who has demonstrated excellence in scholarship, skill in practice, and strength in adversity.

Course Offerings in Social Work (SW)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

200. Introduction to Social Welfare (3) F, S

A study of the history of social welfare and the constructed policies and practices that address societal problems, such as poverty and vulnerable populations.

201. Community Social Service Experience (3) F

Corequisite: Professional Liability Insurance.

An opportunity for students considering a social work major to be exposed to the principles of social work within a community social service agency. A total of 40 minimum clock hours is spent in an agency in addition to the seminar class.

225. Relationships, Marriage and Families (3) F, S, Su

Reciprocal credit: SOC 225. See SOC 225 for description.

300. Human Behavior and the Social Environment I (3) F

An exploration of the theories and knowledge of human bio-psycho-social-spiritual-cultural development from birth through young adulthood in the context of the range of social systems in which individuals live: families, groups, organizations, and communities. The impact of social and economic forces on human development will be explored with special attention to evaluating theory and its application to issues of human diversity.

301. Human Behavior and the Social Environment II (3) S

This course continues to make use of the people-in-systems theoretical orientation and related concepts as human development and diversity are studied from adulthood to old age.

305. Psychopathology (3) F

A study of mental health in light of dynamic ethno-cultural, spiritual, and bio-psycho-social factors impacting client systems and how this knowledge is integrated into practice paradigms.

307. Faith-Based Social Services (3) F—Odd Years

An exploration of the biblical and theological basis for faith-based social services, various models, and recent related government initiatives and policies.

310. Social and Economic Justice (3) F, S

Prerequisite: CHR 111 or 112.

Reciprocal credit: SOC 310.

Dynamics and consequences of injustice including oppression, poverty and discrimination with particular attention to biblical and theological teachings about justice. Strategies to alleviate poverty and for intervention in all forms of human oppression and discrimination will be examined to provide students with skill to promote change and advance the causes of social and economic justice.

315. Foundations for Social Work Practice (3) F

Prerequisite: SW Program Admission and Professional Liability Insurance.

Various processes, skills and the theoretical practice framework utilized in generalist social work practice will be examined. Beginning skills in assessment, interviewing and problem-solving for working with individuals, families, groups, organizations and communities will be introduced within the context of social work values, knowledge and with appreciation for human diversity.

321. Social Gerontology (3) F

Prerequisite: SOC 211. Reciprocal credit: SOC 321. See SOC 321 for description.

324. Social Deviance (3) S

Prerequisite: SOC 211. Reciprocal credit: SOC 324. See SOC 324 for description.

325. Families Across Cultures (3) F

Reciprocal credit: SOC 325. See SOC 325 for description.

335. Social Policy (3) S

Social welfare policy, both historically and currently, focusing on its major elements and basic structure, as well as providing a basis for evaluation of social welfare policies, programs, and services.

338. Children and Families at Risk (3) S

Characteristics and needs of families at risk and policies and programs that address those needs, with attention to risk patterns of abuse, substance use and abuse, mental illness and poverty.

340. Social Work Services in Schools (3) F—Even Years

Pre/Corequisite: SW 200

Knowledge and skills for effective social work practice in a school setting. The school social worker provides a link between school, student, home, and community, primarily using case management and advocacy skills.

348. Child Welfare Practice (3) F

Prerequisite: SW 338

Development of knowledge and skills for culturally competent practice with families at risk. Completion of this and BSW leads to a Tennessee Public Child Welfare Certification.

370. Gender and Sexuality (3) S

Prerequisite: SOC 211. Reciprocal credit: SOC 370. See SOC 370 for description.

400. Populations-at-Risk (3) F

Prerequisites: SW Program Admission.

Patterns, dynamics, and consequences of discrimination, economic deprivation, and oppression will be presented. The curriculum includes content on people of color, gay and lesbian persons, those distinguished by age, ethnicity, culture, class, and physical and mental ability. Course content includes strategies for micro, mezzo, and macro interventions designed to empower these groups and individuals.

401. Social Work Practice with Individuals, Families and Groups (3) S

Prerequisites: SW Program Admission and Professional Liability Insurance.

A continuation of SW 315 with further development of skills for working with individuals, families and groups using various approaches.

402. Social Work Practice with Organizations, Communities, & Government (3) F

Prerequisites: SW Program Admission and Professional Liability Insurance.

The last of the practice sequence continues to use the theoretical framework introduced in SW 315 and 401. Practice methods for work with organizations, communities and governments. Knowledge, values and skills for building professional relationships and working to enhance human well-being by organizational and community development through assessment, problem-solving and advocacy strategies will be examined.

419. Social Diversity and Inequality (3) S

Prerequisite: SOC 211. Reciprocal credit: SOC 419. See SOC 419 for description.

420. Death and Dying (3) S—Even Years

Prerequisite: SOC 211. Reciprocal credit: SOC 420. See SOC 420 for description.

421. Research and Statistical Methods in Social Work (3) F

An introduction to the processes of quantitative and qualitative methods to build knowledge for practice; the use of statistics in social work research and evaluation of service delivery; and the development, use and communication of empirically based knowledge.

423. Senior Seminar in Social Work Practice (3) S

Prerequisites: Admission to SW Field Practicum. Corequisite: SW 490.

Students review various social work processes, including ecological systems theory, contact and contract phases of social work intervention, social work values and ethics, and interventive roles and methods. Class presentations and a case study paper are required. Field Practicum experiences are processed as they relate to classroom content.

490. Social Work Field Practicum (1-9)

Prerequisites: Admission; SW GPA 2.5 or higher. Corequisite: SW 423; Professional Liability Insurance.

Professional field experience in a faculty-approved community agency; public or private, with supervision by an on-site approved field instructor. Students must meet with the field instructor for one hour/week in a face-to-face supervisory conference to discuss cases and student progress. The student will complete a minimum of 424 clock hours in the agency, documented on a weekly log and a journal. The application for field placement must be submitted for approval of the BSW Field Director no later than mid-term of the preceding Fall semester. Pass/Fail.

Available in each departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand**295-6-7. Special Studies (1-4) On Demand**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

498-9. Seminar (1-3) F On Demand

To be used at the discretion of the department for majors only.

ADULT STUDIES/BACHELOR OF SOCIAL WORK

COLLEGE OF EDUCATION AND HUMAN STUDIES

The Union University School of Social Work offers its program leading to the Bachelor of Social Work to qualified adult students on both the Jackson and Germantown Campuses.

An applicant must meet university admission requirements, must have at least 60 hours earned toward a bachelor's degree, and must be at least 24 years of age to qualify for the BSW-Adult Studies Program. Admission to the Social Work Program parallels that in the traditional program as detailed in School of Social Work chapter.

For additional program information, including direct contact information to program personnel, check www.uu.edu/academics/adultstudies/bsw/.

Curriculum

A student receiving a Bachelor of Social Work degree in the Adult Studies Program must take the General Core requirements and B.S.W. specific requirements as outlined below:

I. General Core and BSW Specific Core Requirements

- A. General Core and transfer policies specific to Adult Studies programs are detailed in the "Adult Studies" section of the *Catalogue*.
- B. Exempt from COM 112 or 235
- C. Social Sciences must include PSY 213 and SOC 211
- D. Six hours of foreign language/culture classes. Must include at least 3 hours of foreign language.
- E. For the student seeking the B.S.W. as a 2nd bachelors degree, the following are considered prerequisites and only requirements from the core: PSY 213, SOC 211, Language (3 hours), Language or Culture (3 hours).

II. Social Work Requirements—51 hours

- A. SW 200, 300, 301, 305, 310, 315, 335, 400, 401, 402, 421
- B. SW elective—6 hours
- C. SW 490 and 423—Field Practicum and Senior Seminar

III. Tennessee Public Child Welfare Certification

- A. Complete major and core requirements as detailed above
- B. Complete SW 338 and 348
- C. Complete SW 490 with the TN Department of Children's Services

IV. Licensure as a School Social Worker

- A. Complete major and core requirements as detailed above
- B. SW 340 and complete SW 490 in a school setting

V. The Bachelor of Social Work is also available as a traditional/day course offerings program

See the School of Social Work for details.

The Calendar

The academic calendars for the Bachelor of Social Work—Adult Studies Program do not parallel those shown in the *Catalogue*. General Education and prerequisite courses follow the traditional calendars; however, the major/cohort is delivered in a non-traditional format. Calendars for the cohorts are unique to each and are available at www.uu.edu/academics/adultstudies/bsw/.

Assessment of Majors

Students in the Adult Studies BSW Program are assessed through completion of a field practicum with a minimum of 424 hours in an approved social service agency, successful completion of SW 423 (Senior Seminar) with at least a grade of "B," and a capstone integrative project.

General Information and Course Offerings

Other general information about the Adult Studies Program and descriptions of course offerings parallel that in the traditional program as detailed above.

DEPARTMENT OF CONTINUING STUDIES

COLLEGE OF EDUCATION AND HUMAN STUDIES

Faculty

Beverly Absher (2004). Associate Professor of Educational Leadership, Department Chair, and Director of BSOL—LAUNCH Program. B.S. and M.B.A., University of North Alabama; Ed.D., Union University.

Renee Dauer (2010) Assistant Professor of Organizational Leadership and Director of Continuing Studies—Hendersonville. B.S., Ohio University; M.A., Western Kentucky University.

James Ellis (2007). Assistant Professor of Organizational Leadership and Director of Continuing Studies—Germantown. B.A., Cornerstone University; M.Div., Grand Rapids Theological Seminary; Ph.D. and CAGS, Regent University.

Beth Madison (2007). Assistant Professor of Science. B.S., University of Tennessee; M.S., University of Kentucky; Ph.D., Kansas State University.

Sam Myatt (1987). Professor of Education, Assistant Registrar and Director of Academic Services for the Department of Continuing Studies. B.S., Lambuth University; M.Ed. and Ed.D., University of Memphis.

Mission Statement

The mission of Continuing Studies is to deliver an integrated, multi-disciplinary education within a Christian context for adult learners, equipping persons to think Christianly and serve faithfully in ways consistent with the University's core values of being excellence-driven, Christ-centered, people-focused, and future-directed.

Program Offered

Bachelor of Science in Organizational Leadership

ADULT STUDIES/CONTINUING STUDIES

BACHELOR OF SCIENCE IN ORGANIZATIONAL LEADERSHIP

Curriculum

The Department serves undergraduate non-traditional adult students in degree-completion programs, undergraduate and graduate certificate programs, and continuing education initiatives at the university except those of the School of Nursing. It focuses, as well, on community extended learning efforts.

The Bachelor of Science in Organizational Leadership for Adult Undergraduate Cohorts, *LAUNCH*, is a degree completion program designed to meet the needs of working adults. The program allows the completion of the Bachelor of Science in Organizational Leadership, BSOL, degree in as little as 18 months. The program is for adults with 2 or more years of college credit and at least 2 years of relevant work experience. Each student becomes a member of a cohort that remains together for the 14 courses of the major. The BSOL is designed to enable adult students to become more effective managers and leaders.

The BSOL major may be completed with a concentration in one of five areas: Organizational Management, Health Management, Church Leadership, Project Management, or Criminal Justice Administration. On occasion, the BSOL major may be modified for a cohort to focus on a particular profession or field of interest. Check with the Continuing Studies Office for details.

For additional information, including direct contact information to program personnel, please check www.uu.edu/bsol/.

Program Admission

In addition to university admission requirements the BSOL applicant must provide official transcripts documenting completion of a minimum of 60 semester hours of acceptable college credit including ENG 111 and 18 additional hours applicable to the General Core. All coursework attempted must document a CUM GPA of 2.0 or higher. The applicant must be at least 24 years of age and provide documentation of at least two years of relevant work experience.

Program Specific Policies

Pre-BSOL Program Admission allows transfer students who have not met Program Admission Requirements to take General Core and Electives by meeting only University Admission requirements. Courses will be offered in the evenings in both full semester and accelerated formats.

Credit for Prior Learning, CPL, may be awarded for experiential learning using portfolio-style documentation of learning. Students must be fully accepted and registered in the BSOL Program before submitting the portfolio. A maximum of 15 hours may be awarded towards the BSOL through CPL. Check with the CPL Director for application and full details.

Union University participates in several credit by examination programs following the guidelines of the American Council on Education, ACE. A maximum of 32 semester hours of credit by examination, including the maximum of 15 CPL hours, may be applied toward

the BSOL degree. See the "Admissions" section of the *Catalogue* for additional information.

Union University awards credit for non-collegiate sponsored education in accordance with ACE guidelines. Transcription of this credit is available to matriculated students. It includes credit for learning experiences in all branches of the military and through participating industry education programs.

Degree Requirements

I. General Education Requirements

A. General Core and transfer policies specific to Adult Studies Programs are detailed in the "Adult Studies" section of the *Catalogue*.

B. Must include MAT 107 or higher

II. BSOL Major Requirements—40 hours

A. BSOL Core: BSOL 401, 402, 413, 418, 435, 448, and 451—20 hours

B. Concentration, select one:

1. Organizational Management: BSOL 355, 410, 415, 421, 425, 432, 455—20 hours

2. Health Management: BSOL 323, 325, 341, 356, 421, 432, 456—20 hours

3. Church Leadership: BSOL 336, 415, 420, 428, 432, 443, 457—20 hours

4. Project and Logistics Management: BSOL 330, 415, 425, 430, 433, 438, 458—20 hours

5. Criminal Justice Administration: BSOL 312, 351, 375, 415, 425, 440, and 459—20 hours

III. Electives to meet 128 minimum hours

IV. Minor: No minor is required but may be met according to requirements stated by the department awarding the minor.

Academic Calendars

The academic calendars for the BSOL cohorts do not parallel those shown in the *Catalogue*. The BSOL students will follow the traditional calendars if needing General Core or elective courses. BSOL calendars, specific to each cohort, are available for the 18-month program as it begins. Due to the accelerated nature of the cohort program, 4 hours/week in group study outside class is recommended. The major/cohort calendars of this program are available at www.uu.edu/bsol/.

Assessment of Majors

Students will be tested to determine if program learning outcomes have been met. The ability to analyze data, solve problems, think critically and communicate effectively in oral and written form will be evaluated in BSOL 418 and the capstone course for each concentration (BSOL 455, 456, 457, 458).

Credit by Testing

CLEP and DANTES credit by testing may be applicable to the student's program as detailed in the Advanced Placement section of the catalogue. CLEP and DANTES attempts can be made no later than six weeks prior to

graduation. This deadline also applies to exams taken at other institutions that are to be applied toward graduation from Union. Registration for testing is limited; therefore, students are encouraged to make plans and register for testing as early in their program of study as possible.

Course Offerings in Organizational Leadership (BSOL)

312. Criminology (3)

A study of theories and research in relation to the causes of crime, punishment and treatment of crime.

323. Medical Legal Concepts (2)

Overview of legal issues confronting health care administrators, designed to examine laws, rules, regulations, statutes and legal liabilities faced on a day-to-day basis.

325. Medical Ethics (3)

Theories, principles and relevant case studies giving application of Christian ethical principles to values clarification and decision-making in the medical field.

330. Engineering Economy (3)

Presents basic principles of economic analysis related specifically to the realm of engineering and construction; covers methods of developing engineering alternatives to capital investment projects using economic and financial principles.

336. Leadership and Change for Church Leaders (2)

Study of change and its impact on a church culture. The development and implementation of cultural needs assessment and the process of building cultural bridges to meet the changing needs of church communities will be discussed.

341. Health Care Finance (3)

Introduction to fundamental financial concepts and skills necessary to success as managers in an increasingly competitive health care environment.

350. Personal and Managerial Finance (2)

Financial planning and management techniques, procedures, laws and assessment tools principally relating to one's personal finances but with significant overlap with corporate financial matters. Topics include personal accounting and budgeting, time value of money, credit and housing decisions, insurance products, investment vehicles, and retirement and estate planning.

351. Introduction to Criminal Justice (3)

Introductory study to criminal justice system, including the structure, process & function of the police, court system and its subsystems, and the processing of offenders.

355. Quality Management in Organizations (3)

The concepts of Total Quality as they relate to leadership and organizations. The uniqueness of quality is analyzed in relation to a systematic process that improves customer satisfaction. The principles of quality standards are integrated with the phases of a continuous improvement process.

356. Quality Improvement in Health Care Settings (3)

History and theory of quality management as well as TQM principles applied to physician services, hospitals, medical staffs and the utilization management function. Interpretation and analysis of data as it relates to improving organization performance is examined and practiced.

375. Corrections (2)

Examination of the correctional system, incarceration, alternatives to incarceration and some of the controversial issues involving corrections in the United States.

401. Personal Assessment and Development (3)

Group interaction skills and the management of individual and professional priorities. Includes behavioral style analysis, communication processes within groups, versatility in dealing with supervisors and subordinates, goal setting, setting priorities and time management.

402. Leadership Principles and Practices (3)

Techniques of management and leadership and their application to the development of improved managerial effectiveness.

410. Information Systems for the Workplace (2)

An integrated approach to develop understanding of essential information system, principles and common software applications while emphasizing the use of technology and practical applications within the organization.

413. Diversity in the Workplace (2)

An introductory sociological analysis of the workplace realities present in the contemporary American context through which the student will gain knowledge about the changing society and workforce, as well as the various benefits and challenges of diversity. Topics include: valuing diversity, barriers to diversity, affirmative action, managing diversity, and future trends.

415. Accounting for Managers (3)

Financial and managerial accounting related to business and non-profit entities. This user-oriented, rather than accountant-oriented, course will focus on the accounting process, financial statements, reports and control techniques to give perspective and skill necessary to read, analyze and interpret reports created by accountants. The course is aimed at understanding control techniques, and operational budgeting, used by firms to assess and improve efficiency in the firm's operations and use of assets.

418. The Art of Communication (3)

Drawing on communication theory, students will learn to develop effective organization communication systems. Emphasis on diagnosing information needs and communication patterns. Students will learn the positive and negative aspects of all types of information storage, retrieval, manipulation and transmission methods.

420. Church Finance and Budgeting (3)

Budgeting for churches: process, challenges, tax implications, and ramifications will be discussed.

421. Marketing and Promotion (3)

An integrated analysis of the role of marketing in society and the marketplace, including consumer behavior, promotion, advertising media, budgeting and planning, and the creation of advertising messages.

425. Ethical Leadership (3)

A study of representative ethical theories as they relate to various contemporary problems in management. Special consideration will be given to the application of Christian ethical principles to values clarification and decision-making in the business world.

428. Ministry Marketing and Church Growth (3)

Integrated analysis of the role of marketing within a church and an examination of factors affecting members, the development of marketing strategies, and the understanding of marketing variables to enable church growth and evangelism.

430. Project and Logistics Management (3)

Fundamental principles of project management including customers, planning, scheduling, cost estimation, human resources, communications systems, risk management and change management. Current challenges, strategies and innovations of project management will be identified and discussed.

432. Organizational Theory (3)

A study of organizational theory and application. Employee reactions to working conditions, along with the managerial functions of employee selection, training, proficiency, evaluation, motivation, and morale are explored in the contexts of both individual and group behavior.

433. Work Design and Measurement (2)

Teaches method improvement, work measurement and work design as they are applied to manufacturing and service industries to increase productivity and improve worker health and safety. Topics will include Pareto analysis, fish diagram, Gantt chart, process chart, worker machine relationship, lean manufacturing, plant layout, motion analysis, NIOSH, OSHA, and time study.

435. Human Resource Management (3)

The development of policies and techniques necessary to ensure effective management within complex organizations. Civil Service regulations, unions in the public and private sectors, and organizational training and development will be examined.

438. Environmental Management (3)

Rules and regulations as they apply to the workplace, among them Resource Conservation and Recovery Act, Clear Air Act, Clean Water Act, Safe Drinking Water Act, Comprehensive Environmental Response, Compensation

and Liability Act, Emergency Planning and Right to Know Act. Requirements for compliance will be discussed.

440. Criminal Investigation (3)

Analysis of methods of investigation of felony crimes. Techniques of crime scene analysis, interrogation and other investigative techniques are emphasized.

443. Issues in Christian Ethics (3)

Examination of the moral dimensions of Christian ministry and moral issues facing ministers daily. Attention is given to the minister's personal, professional and collegial relationships and moral responsibilities.

448. Organizational Research and Planning (3)

Develop or improve skills in the critical areas of applied organizational research and managing the planning process with a focus on strategic and operational planning.

451. Interpersonal Conflict Resolution (3)

Using simulation, case studies and field work assignments, this course focuses on the development of the communication and management skills essential for successfully resolving conflict situations involving both labor and management practices and the structural dysfunctions of organizations.

455. Current Issues in Organizational Management (3)

This capstone course in organizational management is designed to integrate the content of the core courses into an applied management framework. Elements of this course include decision-making in a wide variety of areas on advanced level case analyses. Substantial reading of various managerial perspectives and applications of those perspectives to the student's work setting is required.

456. Current Issues in Health Management (3)

Comprehensive course to allow synthesis and application of concepts to a variety of health care topics related to organization and administration in health services.

457. Current Issues in Church Leadership (3)

Capstone course providing opportunities to synthesize and apply elements from a variety of related topics to the organization and administration of the local church, in particular to globalization.

458. Current Issues in Project Management (3)

This comprehensive capstone course provides opportunities to synthesize and apply elements from a variety of related topics to project management. Elements of this course include decision-making in a wide variety of areas on advanced level case analyses. Substantial reading of various leadership and managerial perspectives and applications of those perspectives to the student's work setting is required.

459. Current Issues in Criminal Justice (3)

Capstone course providing opportunities to synthesize and apply elements from a variety of topics to management within criminal justice.

195-6-7. Special Studies (1-4) On Demand**295-6-7. Special Studies (1-4) On Demand**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

SCHOOL OF NURSING

Dean

Timothy Smith (2005). Dean & Professor, School of Nursing; and Executive Director, Center for Excellence in Health Care Practice. Diploma, Baptist College for the Health Sciences; B.S.N., University of Memphis; Diploma in Anesthesia, University of Tennessee, Knoxville Graduate School of Medicine; M.S.N. and Ph.D., University of Tennessee Health Sciences Center.

Kelly Harden (2007). Associate Dean, Graduate Program; Director, Doctor of Nursing Practice Track; and Associate Professor of Nursing. A.S.N., Mississippi County Community College, B.S.N., Regents University, M.S.N., University of Missouri, D.N.Sc., University of Tennessee Health Science Center.

Carol Sykes (2008). Associate Dean, Undergraduate Nursing Programs and Assistant Professor of Nursing. A.S.N., B.S.N., and M.S.N., Union University.

Mission Statement

The mission of the School of Nursing is to be excellence-driven, Christ-centered, people-focused, and future-directed while preparing qualified individuals for a career in the caring, therapeutic, teaching profession of nursing.

Faculty

Denise Thornton-Orr (2008). Chair, Undergraduate Program—Germantown and Assistant Professor of Nursing. B.S.N., Mississippi University for Women; M.S.N., and D.N.Sc., University of Tennessee Health Science Center.

Glynis Blackard (2009). Chair, Undergraduate Program—Hendersonville and Assistant Professor of Nursing. B.S.N. and M.S.N., Union University.

Patsy Carihfield (2007). Chair, Nurse Practitioner Tracks and Professor of Nursing, Diploma, Baptist Memorial Hospital School of Nursing, B.A., Stephens College, B.S.N., University of Memphis, M.S.N. and D.N.P., University of Tennessee Health Science Center.

Cynthia Powers (2008). Chair, MSN—Nurse Education/Nurse Administration Tracks and Associate Professor of Nursing. B.S., University of St. Francis; M.S.N., St. Joseph's College; D.N.P., Union University.

LeAnne Wilhite (2009). Interim Chair, Undergraduate Program—Jackson and Assistant Professor of Nursing. B.S.N., Union University; M.S.N., University of Tennessee Health Science Center.

Molly Wright (2006). Chair, Nurse Anesthesia Track and Assistant Professor of Nursing and Assistant Program Director, Nurse Anesthesia Track. B.S., University of St. Francis; M.S., Middle Tennessee School of Anesthesia; M.S.N., Union University.

April Yearwood (2010). Assistant Chair, Nurse Anesthesia Track and Assistant Professor of Nursing Anesthesia. B.S.N., Union University; M.S.N., University of Tennessee Health Science Center.

Renee Anderson (2009). Assistant Professor of Nursing. B.S.N., University of Tennessee, Martin; M.S.N., University of Memphis.

Laurie Bagwell (2011). Assistant Professor of Nursing. A.S.N., Indiana University; B.S.N. and M.S.N., Union University; D.N.P., Chatham University.

Linda Billings (2011). Assistant Professor of Nursing. A.S.N., Shelby State Community College; B.S.N. and M.S.N., Union University; Post Masters Certificate, University of Memphis.

Brandy Brown (2009). Assistant Professor of Nursing. B.S.N., University of South Alabama; M.S.N., Vanderbilt University.

Sandra Brown (1972-89; 1991). Associate Professor of Nursing. B.S.N., University of Tennessee College of Nursing, Memphis; M.Ed., University of Memphis; M.S.N., The University of Tennessee, Health Science Center.

Connie Cupples (2005). Associate Professor of Nursing. B.S.N. and M.S., University of Memphis; M.S.N., Union University, Ph.D., University of Tennessee Health Science Center.

Allison Davis (2012). Assistant Professor of Nursing. B.S.N., Middle Tennessee State University; M.S.N., Union University.

Sharon Edwards Evans (2007). Associate Professor of Nursing. B.S.N., Oral Roberts University; M.S.N. and Ph.D., St. Louis University.

Sherrita Fitzhugh (2009). Instructor of Nursing. B.S.N., University of Tennessee, Martin; M.S.N., Union University.

Sheilla Foster (2009). Assistant Professor of Nursing. B.S.N., University of Tennessee, Martin; M.S.N., Union University.

Bradley Harrell (2009). Associate Professor of Nursing. B.S.N. and M.S.N., University of Memphis; D.N.P., University of Health Science Center College of Nursing.

Mary Lee Jacobson (2009). Assistant Professor of Nursing. B.S.N., University of Memphis; M.S.N., Union University.

Pat Keene (2004). Professor of Nursing. A.S.N., University of Memphis; B.S.N., M.S.N., D.N.P., The University of Tennessee Health Science Center.

Donna Latham (1974). Georgia Wilson Distinguished Assistant Professor of Nursing. A.A., Union University; B.S.N., Texas Christian University; M.S.N., University of Alabama at Birmingham.

Melissa Lefave (2011). Assistant Professor of Nursing Anesthesia. B.S.N., Union University; M.S., Middle Tennessee School of Anesthesia.

Rosemary McLaughlin (1995-2004, 2007). Associate Professor of Nursing. B.S.N., Harding University; M.S.N., University of Arkansas for Medical Sciences; Ph.D., The University of Tennessee Health Science Center.

Lisa Medlin (2006). Associate Professor of Nursing. B.S.N., Union University; M.S.N., Vanderbilt University; D.N.P., Union University.

Kathy O'Connor (2006). Assistant Professor of Nursing. B.S.N. and M.B.A., Union University; M.S.N., University of Memphis.

Donna Sachse (2003). Professor of Nursing. Diploma, Baptist Memorial Hospital School of Nursing; B.S.N., University of Memphis; M.S.N. and Ph.D., The University of Tennessee Health Science Center.

Carla Sanderson (1982). Professor of Nursing, Provost and Executive Vice President. Diploma, Baptist Memorial Hospital School of Nursing; B.S.N., Union University; M.S.N., The University of Tennessee, Health Science Center; Ph.D., University of Florida.

Zoila Sanchez (2009). Associate Professor of Nursing. B.A. and B.S.N., Florida International University; M.S.N., Union University; Ph.D., University of Tennessee Health Science Center.

Jessica Suiter (2009). Assistant Professor of Nursing. B.S., University of Missouri; B.S.N., St. Louis University; M.S.N., Union University.

Melissa Swinea (2010). Assistant Professor of Nursing. B.S., David Lipscomb University; B.S.N., University of Alabama; M.S.N., Vanderbilt University.

Lois Tate (2009) Professor of Nursing. A.S.N. and B.S.N., University of Memphis; M.S.N., University of Tennessee Health Science Center; Ed.D., University of Tennessee.

Joy Thomason (2007). Assistant Professor of Nursing and Director of Health Care Educational Development, Center for Excellence in Health Care Practice. B.S.N., The University of Tennessee, Health Science Center; M.S.N., Union University.

Jill Webb (1987). Professor of Nursing and Assistant Director of the Honors Community. B.S.N., Murray State University; M.S.N., University of Evansville; Ph.D., University of Tennessee, Memphis.

Nelda Webb (1983-90; 92). Assistant Professor of Nursing. A.S.N., Union University; M.S.N., University of Tennessee at Knoxville; additional study, University of Tennessee, Memphis.

Curriculum

The programs of the School of Nursing are approved by the Tennessee Board of Nursing and accredited by the Commission on Collegiate Nursing Education. CCNE may be contacted at One Dupont Circle, NW Suite 530, Washington, DC 20036-1120 or 202.887.6791.

The program leads to the Bachelor of Science in Nursing degree (RN to BSN, Basic BSN and Accelerated tracks). The RN to BSN track offers a curriculum of study leading to the BSN for registered nurses who have graduated from associate degree or diploma programs. The School of Nursing also offers the Basic BSN track, a curriculum of study leading to the BSN degree as the first professional degree in nursing, to students who have completed two years of pre-nursing study and to qualified LPNs. The BSN-accelerated track offers a curriculum of intensive study for students who have completed a baccalaureate in another field or who have completed 69 credit hours in general education requirements toward a bachelors degree.

The nursing student qualifies as a full participant in the intellectual community of the liberal arts college. Students majoring in nursing share with other students at Union University a basic foundation in the social and physical sciences, as well as in general knowledge. The faculty of the School of Nursing expresses the belief that nursing is a dynamic discipline reflecting change based on an ever-expanding body of knowledge. Through application of principles from the physical and social sciences, nursing is directed toward helping to meet society's health needs. The professional nurse with a BSN degree applies principles from a diverse supporting curriculum to the science of nursing and functions as a care provider, manager, health teacher, advocate, and change agent. In addition to learning alternate ways of organizing and delivering nursing care for hospitalized clients, the BSN student learns to practice in community settings where health promotion and maintenance is the principal concern. All BSN

program tracks provide nursing knowledge and clinical experiences which encourage expanded roles, innovation, non-traditional practice opportunities, use of independent nursing judgment in health care planning, and use of the research process and findings. To this end, the BSN student's curriculum provides a professional practice base and preparation for future specialized graduate studies.

Clinical Agencies Agreements for Nursing Students

The School of Nursing maintains a contractual relationship with many clinical and health care agencies throughout West Tennessee. These consist of hospitals, long-term care facilities, public and regional health departments, child-care and developmental facilities, mental health facilities, and home health care agencies. Contracts detail responsibility for each party regarding placement, supervision, and evaluation of students while in the clinical agency.

Admission to the Basic BSN Track (Initial R.N. Licensure)

1. Applicants to the School of Nursing (SON) should apply for progression by March 1 of their sophomore year in college. A minimum of 65 prescribed semester hours must be completed before enrollment in the first nursing class in the Fall Semester. Students who have been enrolled at Union University for the 1st 2 years of prerequisite courses are guaranteed placement in the Fall nursing cohort their junior year if Priority Progressions Criteria is achieved by March 1st of their sophomore year. Priority Progressions Criteria includes an ACT of 20, a cumulative GPA of 3.0, and a Science GPA of 3.0. Applicants will be required to have a "C" grade or better in all prerequisite natural science, social science, math and English courses (with no more than 7 credit hours accepted below a C grade in other pre-nursing courses). A transfer student may be allowed to take the religion requirements (6 hours of the 65 prescribed semester hours) after admission to the School of Nursing.
2. Students who transfer into Union University or who did not meet the Nursing Programs Priority Admission and Progressions Criteria, and are enrolled in Union as degree-seeking students in the Spring Semester prior to entering nursing curriculum in the Fall will be evaluated at the end of Spring Semester for acceptance into the nursing program. Students must have an ACT of 20 or higher, a cumulative GPA of 3.0, and a Science GPA of 3.0 in order to meet the minimum requirements for the School of Nursing. Placement in the Fall nursing cohort is limited to availability as students in this category are given 2nd priority on a competitive basis. Students desiring to transfer to Union as a junior student in the nursing curriculum are evaluated for placement only if space is available. Students in this category are given 3rd priority on a competitive basis for admission consideration.
3. Official transcripts must be submitted to Enrollment Services from all institutions of higher learning. Any applicant with an Anatomy and Physiology or Pathophysiology course credit that is more than five

years old must either take the corresponding NLN Achievement Test and achieve a set passing score or retake the courses for credit.

4. Fully completed Health History and Physical Examination Form (obtained in the School of Nursing), must be submitted prior to beginning the first semester. This form must include documentation of current immunizations, including the following: tetanus booster within the past 10 years; Hepatitis B vaccination series; MMR; positive Varicella titer and negative screen for tuberculosis (skin test or chest x-ray) within the past 12 months or documentation of compliance with CDC guidelines for tuberculosis screening, as well as any additional vaccinations required by clinical facilities. The student must update this information annually. Failure to have current health information on file will result in the student being asked to withdraw from clinical nursing courses. The SON follows guidelines of the Southern Regional Education Board Council on Collegiate Education for Nursing Education.
5. The student must have documentation of a clear criminal background check and a clean urine drug screen, completed before beginning nursing curriculum.
6. An interview with a nursing applicant may be requested. The interview allows the student an opportunity to become acquainted with the School of Nursing and allows the interview committee an opportunity to evaluate the student's potential for nursing education.
7. Each accepted applicant will be notified and given a reasonable length of time to indicate a commitment to attend Union University. The student must submit an acceptance reply accompanied with a \$200.00 non-refundable deposit.
8. The Licensure Application, which is completed prior to graduation, asks the question, "Have you ever been convicted of a violation of the law other than a minor traffic violation?" A reported conviction (and/or any license revocation) does not necessarily mean that the graduate will be denied licensure. Any nursing school applicant who would be affected by this disclosure requirement is recommended to schedule an appointment with the Dean of the School of Nursing for a confidential discussion of the specific situation and concern.
9. Current American Heart Association (AHA) health care provider CPR certification must be maintained throughout the nursing program of study.
10. The student must provide documentation of current individual health insurance.
11. All international students will meet the same freshman and transfer requirements for regular admission to the university as outlined in "Admission of International Students."

Requirements for Progression in the BSN Program

The student enrolls in the courses in nursing education according to the prescribed sequence. At least a C grade in each nursing course is required for progression in the nursing curriculum. Students who receive a grade of less than C in any nursing course may not proceed to the next course until the failed course has been repeated with a final grade of C or above. Nursing courses may be repeated only once. Permission to progress must be obtained from School of Nursing faculty and will be dependent upon meeting course prerequisites and corequisites. A student who receives a grade of D or below must reapply to the School of Nursing for consideration to be allowed to repeat the nursing course the next time it is offered in the scheduled sequence of courses. To progress to the final year of the program, a student must have a minimum GPA of 2.0.

Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct. Students who remove school or hospital property without permission will be subject to immediate disciplinary action. Graduation requirements follow the guidelines of Union University.

Readmission to the BSN Program

A student who wishes to reenter the nursing program should submit a letter to the Dean of the School of Nursing requesting readmission to the School of Nursing well in advance of the semester in which they wish to enroll. Their request for readmission will be considered along with other applicants to the program.

A student who receives a final grade less than C in two Nursing courses will not be readmitted to the Nursing Program but will be advised to seek another major. Withdrawal from a nursing course does not guarantee readmission.

Students readmitted to the program may be asked to audit or repeat courses in which they previously earned a C in consideration of the length of absence or change in curriculum. They may also be required to take a standardized exam to assess retention of previous course knowledge.

Uniforms and Insurance Requirements

Students must purchase appropriate uniforms. The School of Nursing will provide necessary forms for ordering the uniforms.

Students will be charged for the school's group policy liability insurance when participating in a nursing course that requires clinical experience.

Degree Requirements for the Bachelor of Science in Nursing, initial RN licensure tracks:

- A. Non-nursing courses required for both tracks
1. Gateway course; ENG 111, 112; BIO 221, 222; PSY 213, 219; PEWS 100; CHR 111, 112; BIO 201 or 211; SOC 211—Curriculum Model Year 1.
 2. ENG 201, 202; CHE 105 or 111; HIS 101, 102; MAT 114; ART 210; BIO 300; PEWS Activity Elective; any level Elective (3 hours)—Curriculum Model Year 2.
- B. Basic BSN Track
1. NUR 302, 306, 308, 309, 310, 318, 330, 408, 409, 418, 419, 421, 423, 425, 430, 440, and 499
 2. Upper level Elective—3 hours
- C. Licensed Practical Nurse to BSN Track
1. NUR 322 (Transition course) after successful challenge of NUR 302 and 308 or (if unsuccessful in challenge) enrollment in NUR 302 and 308.
 2. NUR 306, 309, 310, 318*, 330, 408, 409, 418*, 419, 421, 423, 425, 430, 440, 499.
 3. Upper level Elective—3 hours
*NUR 318 and 418 are available for challenge by testing for the LPN.

Assessment of Majors

Nursing majors are required to take standardized nursing tests at specific points throughout the program of study. As a part of NUR 499, students will take a standardized comprehensive exam to evaluate readiness to take the NCLEX licensure exam. Successful completion of NUR 499 includes scoring at or above the benchmark set by the School of Nursing. The student will not be able to graduate without successfully meeting the requirements of NUR 499. Student assessments include, but are not limited to, communication skills, therapeutic nursing interventions and critical thinking skills. Basic nursing students are expected to take the NCLEX-RN licensure after completion of the program of nursing to become registered nurses.

Student Organizations

The **Baptist Student Nursing Fellowship** is open to all nursing and pre-nursing students. It provides Christian fellowship, professional educational programs, and service activities; it encourages nursing practice evolving from a personal commitment to Jesus Christ. Meetings are monthly.

The **National Student Nurses Association (NSNA)** is the largest health professional student organization in the United States and the only one for nursing students. All basic BSN students are encouraged to participate.

The organization provides opportunity for contributing to nursing education, to provide programs of professional interest and to aid in the development of the whole person, thereby providing for the highest quality health care. The chapter meets monthly; members may also attend state and national meetings. In addition, RN to BSN students are strongly encouraged to hold membership in Tennessee Nurses Association (TNA).

Nu Lambda is a chapter of **Sigma Theta Tau International**, the Nursing Honor Society. Its purposes are to recognize superior achievement, to develop leadership qualities, to foster high professional standards, to encourage creative work, and to strengthen commitment to the ideals and purposes of the profession. Membership is by invitation to students who have completed one-half of the upper division nursing curriculum, achieved a 3.0 GPA, and rank in the highest 35 percent of their class. After graduation, students continue their membership in the society as alumni.

Student Awards

The **Fannie J. Watt, R.N., Psychiatric Nursing** is to be presented to the basic nursing student who has demonstrated the greatest potential for effective practice in a psychiatric setting.

The **Fannie J. Watt, R.N., Professional Nursing** is presented to the graduating RN-BSN student at each program site who has shown sensitivity to the psychosocial needs of patients and has shown potential for making a serious contribution to nursing.

The **Nursing Faculty** is presented to the outstanding graduating student who has demonstrated an above average level of theoretical knowledge in the classroom and a high degree of skill in clinical thus showing promise of achievement in nursing.

The **Terry Robinson Nursing** is presented to the student who has evidenced an extraordinary degree of motivation toward nursing with a quiet, steady and courageous persistence toward their goal.

The **Emily Saffel Nursing** is established in memory of Emily, born with a congenital heart defect resistant to treatment, and surviving 2 1/2 weeks. Her only contact with God's world was the caring voices and touch of her family, doctors, and nurses. This award is to recognize characteristics of the kind of nursing that her family hopes she received during her brief life.

The **Wilson Nursing** was established by Miss Georgia Wilson to be presented to the member of the BSN (basic) graduating class who is deemed by the nursing faculty to have been the most outstanding in clinical nursing.

Course Offerings in Nursing (NUR)

() Hours Credit: F-Fall; W-Winter; S-Spring; Su-Summer

200. Survey of Professional Nursing (3) As Needed

An exploratory course for the student interested in the nursing profession. Students will be introduced to the broad scope of nursing roles, settings and specialties.

302. Foundations of Pharmacology (1) F

A study of arithmetic dosages and solutions and introduction to basic drug classifications and principles of pharmacology. Legal and ethical responsibilities of the professional nurse for the well or ill person are emphasized.

306. Scientific Writing in Health Care (1) S

Prerequisite: ENG 112.

Focus on effective writing skills, selecting and using scholarly resources as well as the APA format.

308. Foundations for Nursing Practice (6) F

Prerequisite: Admission to Basic BSN track.

Nursing interventions and skills necessary for basic practice in the care of individuals of all age groups in diverse settings. Introduction of the nursing process provides a basis for development of decision-making and critical thinking skills in the formation of nursing diagnosis.

309. Skills Practicum (3) F

Corequisite: NUR 308.

A practical hands-on experience in nursing skills. Students work with faculty to perform specific clinical skills using scientific principles basic to nursing knowledge and application.

310. Health Assessment (3) F

Prerequisite: Admission to the School of Nursing or by permission of the faculty.

Use of the nursing model in developing skills and knowledge related to history taking, assessing health status, and recognizing deviations from the normal. Communication technique is further developed by emphasis on interviewing skills. Emphasis will be on functional health patterns throughout the life span.

318. Nursing Care of Childbearing Families (5) S

Prerequisites: 302, 308, 310. Corequisite: 423.

Promotive and preventive health care for members of childbearing families along the wellness-illness continuum. Emphasis is placed on the developmental aspect of families and on high-risk families.

322. LPN Transition Course (1) As Needed

Prerequisite: Successful challenge of NUR 302 & 308.

Transitions the licensed practical nurse to the role of professional nurse and the nursing process and prepares students to meet program outcomes. Includes validation of nursing knowledge and skills.

330. Introduction to Research in Nursing (3) F

Prerequisite: MAT 114; Admission to the School of Nursing.

The role of the professional nurse in critiquing and in utilizing nursing research literature. Critical thinking skills and the steps of scientific inquiry are applied to develop a research project.

345. Case Management (3) As Needed

Case management as a model for organizing health care for persons of all ages and cultures. Emphasis is placed on defining the changing role of the R.N. case manager. A nursing process approach is used to explore the skills of problem solving, interpersonal communication, critical thinking, organization, negotiation, networking and creativity.

350. Philosophical and Ethical Foundations in Health Care (3) As Needed

A study of the foundations of philosophy and ethics with emphasis on developing the student's ability to perform philosophical inquiry and generate philosophical arguments related to ethical issues and concerns in health care.

353. Health Promotion (3) As Needed

Focuses on in-depth, scientifically accurate information of wellness and helps students identify realistic options for a healthy lifestyle. The course utilizes the tools for integrating change into everyday lives and uses the nursing process as a guide for enabling persons to achieve and maintain optimal wellness.

354. Parish Nursing (3) As Needed

A unique practice of professional nursing, focusing on health promotion and disease prevention when caring for the whole person, encompasses 7 functions: integrator of faith and health, health educator, personal health counselor, referral agent, trainer of volunteers, developer of support groups, and health advocate.

355. Spiritual Care in Nursing (3) As Needed

An examination of Christian values as a basis for providing spiritual care to clients and exploration of the role of the professional nurse in its provision. Resources will include the Bible, nursing literature, clergy, community and personal spiritual resources.

357. Nursing Issues with Aging (3) As Needed

A study of evidence-based holistic nursing care of aging persons toward positive outcomes for the family unit. Emphasis is placed on the role of the professional nurse in enhancing healthy aging and the complexities related to the diversity of personal, family, and societal systemic changes associated with this life transition as well as biopsychosocial and spiritual assessment of the aging population. Sensitivity to and respect for clients and families are promoted through the study of theories of aging, communication, critical thinking and research related to the aging experience.

359. End of Life Nursing Care (3) As Needed

An examination of the needs of those facing the end of life or dealing with end of life issues and will equip students to offer holistic support and care for such clients and their families.

408. Pharmacotherapeutics in Nursing I (2) F

Corequisite: NUR 302 and 310.

The biochemical and psychological effects of drugs on the wholistic person in a multicultural society. Nursing process with different classifications of drugs is emphasized. Historical, economic, legal and ethical issues are identified.

409. Pharmacotherapeutics in Nursing II (2) S

Prerequisite: NUR 408.

A continuation of NUR 408 in its study of the biochemical and psychological effects of drugs on the wholistic person.

418. Nursing Care of Childrearing Families (5) F

Prerequisite: NUR 318, 423.

Promotive and preventive health care for members of childrearing families along the wellness-illness continuum. Emphasis is placed on the developmental aspect of children from infancy to adolescence and on children with special problems.

419. Issues in Professional Nursing (3) F

The nurses's role in change through evaluation of historical and current issues impacting the profession and health care delivery systems. Students explore the role of nursing theory in the continued development of professional nursing.

421. Nursing Care of Adults in Health and Illness I (6) F

Prerequisites: NUR 318, 408, 409, 423.

Professional nursing practice and further development in its application with adults from multicultural backgrounds along the wellness-illness continuum and emphasis on integration of pathophysiology and psychosocial dynamics with complex illnesses and human response patterns in the acute care setting. Use of critical thinking, decision making, and research will be incorporated into the teaching, caring, and collaborative role of the nurse.

423. Mental Health-Psychiatric Nursing (5) S

Prerequisites: NUR 308 and 310.

Considering individuals, families, and community groups at any position on the health continuum the student will utilize the nursing process in applying mental health concepts in a variety of settings. Intervention modes are observed or practiced in one-to-one, small group, family, and milieu settings. Emphasis is placed on use of therapeutic communication and the social, political, and economic context of practice is considered.

425. Nursing Care of Adults in Health and Illness II (6) S

Prerequisites: NUR 419, 421; Prerequisite or Corequisite: NUR 430.

A continuation of NUR 421. There will be additional development of the role of the professional nurse as a health teacher and advocate.

430. Leadership and Management in Nursing (4) S

Prerequisites: NUR 330, 418, 421.

Study of health care organizational structures and the professional nurse's role as a patient advocate, leader, manager, and change agent. Emphasis is on the application of the theories principles of leadership and management in the context of the health care delivery system. Use of the research process is identified as a management tool to test alternative solutions on which to base decision-making.

440. Community Health Nursing (5) S

Pre/Corequisite: BIO 300 and all other nursing courses.

A culminating experience in population-focused health care in diverse settings. Health needs are addressed using nursing theory and research with knowledge from the humanities, biological and social sciences.

452. Intercultural Issues (3) As Needed

Study of culturally appropriate and wholistic professional nursing care of persons in our pluralistic global society. Emphasis on sensitivity to and respect for cultural diversity, communication, critical thinking, cultural assessment, and strategic planning for competent nursing care which will result in positive health care outcomes for intercultural populations.

499. Senior Seminar (1) S

Prerequisite: NUR 419. Corequisites: NUR 425, 430, 440.

This course focuses on concept synthesis in order to prepare the new graduate for entry into the nursing profession. Emphasis is placed on critical thinking skills needed by the generalist to address health care dilemmas.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand**295-6-7. Special Studies (1-4) On Demand**

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

ADULT STUDIES/NURSING

BACHELOR OF SCIENCE, RN TO BSN TRACK

The School of Nursing encourages the educational mobility of registered nurses holding the associate degree or diploma in nursing. The E-campus track offers online nursing courses to enhance flexibility for adult study students. The program is approved by the Tennessee Board of Nursing and accredited by the Commission on Collegiate Nursing Education. CCNE may be contacted at One Dupont Circle, NW Suite 530, Washington, DC 20036-1120 or 202-887-6791.

For additional information, including direct contact information to program personnel, check www.uu.edu/academics/son.

All registered nurse students take NUR 333 upon entering the B.S.N. program. Upon successful completion of NUR 333, the student is awarded 37 hours of Nursing credit.

RN to BSN students are strongly encouraged to hold membership in their local state nursing association.

Program Admission

An applicant must apply to the University and meet University admission requirements as well as:

1. Provide evidence of graduation from an accredited, state-approved School of Nursing and hold current R.N. licensure.
2. Make application to the RN–BSN Program.
3. Submit official transcripts from all post-secondary institutions. The required minimum GPA on all course work is 2.8.
4. Students will be charged for the school's group policy liability insurance when participating in a nursing course that requires a clinical experience.
5. Maintain current American Heart Association (AHA) CPR for Health Care Provider certification throughout the nursing program of study.
6. Fully complete a University Health History Form and a Physical Examination Form signed by a practitioner qualifying the applicant for nursing education. Provide documentation of current immunizations, including tetanus booster within the past 10 years, an acceptable Hepatitis B titer and Rubella immunization. Documentation of a negative screen for tuberculosis (skin test or chest x-ray) within the past 12 months is required. This data should be submitted prior to beginning the first semester.
7. The student must provide documentation of current individual health insurance when participating in a nursing course that requires a clinical experience.
8. The student must have documentation of a clear urine drug screen clear criminal background check.

Degree Requirements

I. General Core Requirements

- A. General Core and transfer policies specific to Adult Studies are detailed in the "Adult Studies" section of the *Catalogue*.
- B. Must include MAT 114 as the Math requirement.
- C. The Speech requirement is considered met within the oral communication components of nursing clinicals
- D. Sciences must include BIO 300.

II. Upper level (300/400 level) Electives—6 hours

III. Nursing Major Requirements—31 hours plus 37 basic nursing education hours

- A. Basic Nursing Education—37 hours held in escrow until successful completion of NUR 333
- B. NUR 306, 310, 330, 333, 410, 419, 430, 440—24 hours
- C. NUR Upper Level Electives—6 hours

License Renewal

Registered Nurses may be admitted as non-degree seeking students to renew their Tennessee Nursing License. See the Department Chair for details.

Assessment of Majors

Majors may be required to take the National League of Nursing (NLN), ATI, or other standardized nursing tests throughout the program of study.

Credit by Testing

CLEP and DANTES credit by testing may be applicable to the student's program as detailed in the Advanced Placement section of the catalogue. CLEP and DANTES attempts can be made no later than six weeks prior to graduation. This deadline also applies to exams taken at other institutions that are to be applied toward graduation from Union. Registration for testing is limited; therefore, students are encouraged to make plans and register for testing as early in their program of study as possible.

Course Offerings in Nursing (NUR)

() Hours Credit

All descriptions are found in the basic program except the following course tailored for the RN–BSN Track:

306. Scientific Writing in Health Care (1) F, S

Prerequisite: ENG 112.

This course will focus on effective writing skills, selecting and using scholarly resources, as well as the APA format.

333. Concepts of Professional Nursing (3) F, S

The focus of this course is to acclimate the returning RN student to the professional nursing concepts found in wholistic nursing as derived from theory or research and include critical thinking and communication. This course also provides an emphasis on elements of professional writing, portfolio development and life-long learning.

410. Pharmacotherapeutics in Nursing Practice (3) F, Su

The biochemical and psychological effects of drugs on the wholistic person in a multicultural society. Nursing process with different classifications of drugs is emphasized. Historical, economic, legal, and ethical issues are identified.

ADULT STUDIES/NURSING

BACHELOR OF SCIENCE IN NURSING, SECOND BACHELOR'S DEGREE ACCELERATED TRACK

This track offers the BSN in an intensive 15-month option. It is offered on the Jackson, Germantown, and Hendersonville campuses to students who have already proven academic success and maturity with the completion of a bachelors degree in another field.

For additional information, including direct contact information to program personnel, check www.uu.edu/academics/son.

Program Admission

The applicant must hold a bachelors degree from a regionally accredited college or university with a minimum 3.0 GPA for the last 60 hours attempted. In addition to university admission requirements, the applicant will:

1. Make special application to the School of Nursing, BSN-Accelerated Track (BSNA).
2. Provide official transcripts of all coursework attempted including those documenting the required prerequisite courses with a grade of C or higher; BIO 221-2, (8 hours), PSY 213 (3).
3. Meet all conditions stated under School of Nursing, "Admission to the Basic BSN Track."
4. Interview allowing the applicant to become acquainted with the School of Nursing and the interview committee the opportunity to evaluate the applicant's potential for nursing education success.
5. The applicant must take the TEAS Standardized Exam as a part of the interview process.
6. See the Basic BSN Track for uniform and insurance requirements.

Applicants to the BSNA Track may be admitted to the Pre-BSNA Track to take prerequisite science and social science courses. See #2 above.

Degree Requirements

- I. **General Education Requirements: Second Bachelors Degree** students are not required to meet General Education requirements of Union University except as they appear as prerequisites to their new program. See Program Admission 2. for the prerequisites to BSNA.
- II. **Major Requirements (60 hours):** BIO 201 or 211 (4 hours); BIO 300 (3); MAT 114 (3); PSY 219 (3); NUR 302, 306, 307, 309, 310, 318, 330, 408, 409, 418, 419, 421, 423, 425, 430, 440 and 499.
- III. **Minor Requirements: none**

The Cohort Approach and Calendar

The academic calendars for the Bachelor of Science in Nursing—Accelerated Track do not parallel those shown in the *Catalogue*. Prerequisite courses will follow the traditional calendars; however, the major/cohort is delivered in an accelerated format. Calendars for the cohorts are unique to each and are available at www.uu.edu/academics/adultstudies/acceleratedbsn/.

Requirements for Progression in the BSN Track

The student enrolls in the courses in nursing according to the prescribed sequence. At least a C grade in each course (NUR or non-NUR cohort courses) is required for progression in the nursing curriculum. Students who receive a grade of less than C in any course may not continue in the BSNA track: a student must fully withdraw from the program.

Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct. Students who remove school or hospital property without permission will be subject to immediate disciplinary action. Graduation requirements follow the guidelines of Union University.

Readmission to the BSNA Track

Within the cohort, students who are unsuccessful with the non-NUR course(s) (Micro, Stats, Patho or Developmental Psych) may re-apply to the BSNA track or apply to enter the Basic BSN Track that moves at the more traditional pace. This decision will be made with guidance from the student's faculty advisors with consideration as to which track will most likely result in the student's successful completion of a BSN program. The student will be required to make application to the University and must meet all admission requirements of the respective BSN track to be considered for admission. Approval by the Undergraduate Associate Dean and Chairs will be required if space is available. There is no guaranteed readmission.

A student who receives a final grade less than C in two nursing (NUR) courses will not be readmitted to the Nursing Program. Withdrawal from a nursing course does not guarantee readmission. Students readmitted to the program may be asked to audit or repeat courses in which they previously earned a C in consideration of the length of absence or change in curriculum. They may also be required to take a standardized exam to assess retention of previous course knowledge.

A student who receives a grade of D or below must reapply to the School of Nursing for consideration to be allowed to repeat the course the next time it is offered in the scheduled sequence of courses. Any such course must be repeated with a final grade of C or above in order to progress. Courses may be repeated only once. **A student who receives a grade less than C in two nursing courses will not be allowed to progress in the Nursing**

Program. Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct. Students who remove school or hospital property without permission will be subject to immediate disciplinary action. Graduation requirements follow the guidelines of Union University.

Course Descriptions in Nursing (NUR)

() Hours Credit

All descriptions are found in the basic program except for the following tailored for the BSN-Accelerated:

307. Accelerated Foundations for Nursing Practice (5)

Prerequisite: Admission to 2nd Bachelors Degree BSN Track

Focus on the nursing interventions and skills necessary for nursing practice in the care of individuals of all age groups in diverse settings. Introduction of the nursing process provides a basis for development of decision-making and critical thinking skills in the formation of nursing diagnosis.

ADULT STUDIES/NURSING

BACHELOR OF SCIENCE IN NURSING, FIRST BACHELOR'S DEGREE ACCELERATED TRACK

This track offers the BSN in an intensive 15-month option. It is offered on the Jackson, Germantown, and Hendersonville campuses to students who have already proven academic success and maturity with the completion of 69 semester hours.

For additional information, including direct contact information to program personnel, check www.uu.edu/academics/son.

Degree Completion Track

In addition to university admission requirements, the applicant must be 24 years of age or older upon enrollment and meet the following program-specific admission requirements:

1. Make special application to the School of Nursing, BSN 15-month Degree Completion Track.
2. Provide official transcripts of all coursework attempted including those documenting the required prerequisite courses with a grade of C or higher.
3. A minimum ACT of 20 or equivalent SAT.
4. Have completed the Adult Studies Core Curriculum (See below).
5. Minimum cumulative 3.0 GPA for last 60 hours attempted.
6. Meet all conditions stated under School of Nursing "Admission to the Basic BSN Track."
7. Interview allowing the applicant to become acquainted with the School of Nursing and the interview committee the opportunity to evaluate the applicant's potential for nursing education success.
8. See the Basic BSN Track for uniforms and Insurance Requirements.

I. Adult Studies Core Curriculum

- A. ENG 111 & 112 (6 hours)
- B. ENG 201 or 202 and Humanities: Literature, Philosophy, Language, Music, Art, Theatre, Christian Studies (9 hours)
- C. Science: BIO 221, 222 (8 hours)
- D. Social Science: HIS 101 or 102; PSY 213 (6 hours)
- E. MAT 114 (3 hours)
- F. CHR 111 and 112 (6 hours)
- G. Upper-Level Electives: 6 hours on the junior/senior level
- H. Computer Science (2 hours)

II. Major Requirements (59 hours): BIO 201 or 211, 300; PSY 219; MAT 114; NUR 302, 306, 307, 309, 310, 318, 330, 408, 409, 418, 419, 421, 423, 425, 430, 440 and 499.

III. Minor Requirements: none

IV. Minimum hours for graduation: 128

The Cohort Approach and Calendar

The academic calendars for the Bachelor of Science in Nursing 15-month Degree Completion Track do not parallel those shown in the *Catalogue*. General Education and prerequisite courses will follow the traditional calendars; however, the major/cohort is delivered in an accelerated format. Calendars for the cohorts are unique to each and are available at www.uu.edu/academics/adultstudies/acceleratedbsn/.

Requirements for Progression in the BSN Program

The student enrolls in the courses in nursing according to the prescribed sequence. At least a C grade in each course (NUR or non-NUR cohort courses) is required for progression in the nursing curriculum. Students who receive a grade of less than C in any course may not continue in the BSNA track: a student must fully withdraw from the program.

Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct. Students who remove school or hospital property without permission will be subject to immediate disciplinary action. Graduation requirements follow the guidelines of Union University.

Readmission to the BSN Track

Within the cohort, students who are unsuccessful with the non-NUR course(s) (Micro, Stats, Patho or Developmental Psych) may re-apply to the BSNA track or apply to enter the Basic BSN Track that moves at the more traditional pace. This decision will be made with guidance from the student's faculty advisors with consideration as to which track will most likely result in the student's successful completion of a BSN program. The student will be required to make application to the University and must meet all admission requirements of the respective BSN track to be considered for admission. Approval by the Undergraduate Associate Dean and Chairs will be required if space is available. There is no guaranteed readmission.

A student who receives a final grade less than C in two nursing (NUR) courses will not be readmitted to the Nursing Program. Withdrawal from a nursing course does not guarantee readmission. Students readmitted to the program may be asked to audit or repeat courses in which they previously earned a C in consideration of the length of absence or change in curriculum. They may also be required to take a standardized exam to assess retention of previous course knowledge.

A student who receives a grade of D or below must reapply to the School of Nursing for consideration to be

allowed to repeat the course the next time it is offered in the scheduled sequence of courses. Any such course must be repeated with a final grade of C or above in order to progress. Courses may be repeated only once. **A student who receives a grade less than C in two nursing courses will not be allowed to progress in the Nursing**

Program. Continuation in the program is also contingent upon compliance with ethical and professional standards of conduct. Students who remove school or hospital property without permission will be subject to immediate disciplinary action. Graduation requirements follow the guidelines of Union University.

Course Descriptions

() Hours Credit

All descriptions are found in the basic program except for the following tailored for the BSN 15-month Degree Completion Track:

307. Accelerated Foundations for Nursing Practice (5)

Prerequisite: Admission to BSN 15-month Degree Completion Track

Focus on the nursing interventions and skills necessary for nursing practice in the care of individuals of all age groups in diverse settings. Introduction of the nursing process provides a basis for development of decision-making and critical thinking skills in the formation of nursing diagnosis.

SCHOOL OF PHARMACY

Dean

Sheila Mitchell (2007). Dean of the School of Pharmacy. B.S. and Pharm.D., University of Tennessee Health Science Center.

George DeMaagd (2008) Associate Dean of Academic Administration and Professor of Pharmacy. B.S., Western Michigan University; Pharm.D., University of Michigan.

Kim Madewell Jones (2007). Assistant Dean of Student Services and Assistant Professor of Pharmacy. B.S., Middle Tennessee State University; Pharm.D., University of Tennessee.

Union University's Doctor of Pharmacy program holds "in process" status with the Accreditation Council for Pharmacy Education (ACPE, www.acpe-accredit.org), the national organization that accredits Doctor of Pharmacy programs offered by Colleges and Schools of Pharmacy in the United States and selected non-U.S. sites. Questions about the status of the University's accreditation may be posed to the Dean of the School of Pharmacy's office (731.661.5958) or to ACPE (312.664.3575).

Mission Statement

To promote a Christ-centered environment that focuses on the intellectual, spiritual, and moral development of students in committing themselves to the service and needs of society

To provide academic excellence that instills knowledge of basic biomedical sciences, pharmaceutical sciences, social pharmacy sciences, behavioral pharmacy sciences, administrative pharmacy sciences and clinical sciences

To develop the pharmacy student as a practitioner that is people-focused in providing optimum care to clients based on evidence-based best practice standards

To support an academic environment that fosters the future-directed growth of student educational opportunities as it relates to new educational, practice, and research initiatives.

Admissions Requirements

Admission requirements for the Doctor of Pharmacy and all program policies, requirements and course descriptions are detailed in the Graduate Catalogue. The Graduate Catalogue will be published to the Union University website (www.uu.edu/catalogue/graduate).

Prerequisites for admission to the Union School of Pharmacy include courses in the UU General Core as well as selected courses in the Departments of Biology, Chemistry, Physics, and Mathematics. Advising information toward completion of the School of Pharmacy admissions requirements as well as the bachelors degree from Union University is available through the Departments of Biology and Chemistry. Additional information toward completion of the curriculum without the awarding of a bachelors degree can be found in a three year format, and for the highly motivated, well-prepared student, in a 2-year format. Advising information toward completion of the accelerated curriculum is also available through the departments of Biology and Chemistry with the 2-year and 3-year formats viewable at www.uu.edu/.

Faculty

David Kuhl (2008). Baptist Memorial Health Care Professor of Pharmacy. B.S., Kearney State College; Pharm.D., University of Nebraska Medical Center.

Blake Watkins (2008). Chair, Pharmaceutical Sciences and Associate Professor of Pharmacy. B.S., Union University; Ph.D., University of Georgia

Mark Stephens (2007). Director of Experiential Education and Associate Professor of Pharmacy. B.S. and Pharm.D., University of Tennessee.

Joy Greene (2011). Assistant Director of Experiential Education and Associate Professor of Pharmacy. Pharm.D., University of North Carolina, Chapel Hill.

Richard Addo (2010). Associate Professor of Pharmacy. B.S., University of Science & Technology--Kumasi, Ghana; Ph.D., Mercer University.

Lunawati Bennett (2012). Associate Professor of Pharmacy. B.A., Bogor Agricultural University; M.S., University of Missouri; M.R.E., Golden Gate Baptist Theological Seminary; Ph.D. and Pharm.D., Idaho State University.

Jennifer Smith Byrd (2011). Assistant Professor of Pharmacy. Pharm.D., University of Tennessee, Health Science Center.

Mary Day (2012). Assistant Professor of Pharmacy Practice. A.S., Tulsa Community College; Pharm.D., University of Oklahoma.

Deidra Easley (2012). Assistant Professor of Pharmacy Practice. B.S., University of North Alabama; Pharm.D., University of Tennessee.

Sean King (2009). Assistant Professor of Pharmacy. B.S., M.S., and Ph.D., University of Mississippi.

Kimberly Lindsey (2008). Assistant Professor of Pharmacy. B.S. and Pharm.D., University of Tennessee.

Andrew Martin (2008). Associate Professor of Pharmacy. B.S., Bob Jones University; B.S. and Pharm.D., Ferris State University.

Bethany L. Murphy (2011). Assistant Professor of Pharmacy Practice. Pharm.D., Ohio Northern University.

Joel Owen (2008). Associate Professor of Pharmacy. B.S. Pharmacy and Ph.D. Pharmaceuticals, Auburn University

Lauren Peyton (2008). Assistant Professor of Pharmacy. Pharm.D., University of Tennessee, Health Science Center.

Ashok Philip (2010). Assistant Professor of Pharmacy. B.Pharm Bapathia College of Pharmacy, JNT University—Hhyderabad, India; MPharm, Andhra University; Ph.D., University of Mississippi.

Jodi Leke Taylor (2009). Assistant Professor of Pharmacy. B.S., Middle Tennessee State University; Pharm.D., University of Tennessee, Health Science Center.

Amy Williams (2007). Assistant Professor of Pharmacy. B.S., University of Tennessee, Martin; Pharm.D., University of Tennessee, Health Science Center.

Catherine Willmore (2011). Associate Professor of Pharmacy. B.S., University of Connecticut; Ph.D., Medical College of Virginia.

SCHOOL OF THEOLOGY AND MISSIONS

Dean

Gregory A. Thornbury (1999). Dean of the School of Theology and Missions, Vice President for Spiritual Life and Professor of Philosophy. B.A., Messiah College; M.Div. and Ph.D., Southern Baptist Theological Seminary; Additional study, Oxford University.

James A. Patterson (1999). University Professor of Christian Thought and Tradition and Associate Dean of the School of Theology and Missions. B.A., Rutgers University; M.Div., Gordon-Conwell Theological Seminary; Ph.D., Princeton Theological Seminary.

Mission Statement

The School of Theology and Missions exists to advance the Kingdom of God through theological education by integrating rigorous academics, skill in teaching, deep devotion to Christ and His Church, and a commitment to reaching the nations with the gospel.

Ethos Statement

The School of Theology and Missions Ethos Statement, which details ethical and lifestyle expectations of majors, is presented in CHR 231 and is also available at www.uu.edu/programs/theology/ethos.cfm.

Faculty

Gregory A. Thornbury (1999). Dean of the School of Theology and Missions, Vice President for Spiritual Life and Professor of Philosophy. B.A., Messiah College; M.Div. and Ph.D., Southern Baptist Theological Seminary; Additional study, Oxford University.

James A. Patterson (1999). University Professor of Christian Thought and Tradition and Associate Dean of the School of Theology and Missions. B.A., Rutgers University; M.Div., Gordon-Conwell Theological Seminary; Ph.D., Princeton Theological Seminary.

Frank Anderson (2010). Associate Professor of Ministry and Missions and Director of the A.Div., Program--Germantown. B.B.A., University of Memphis; M.Div. and Ph.D., Mid-America Baptist Theological Seminary.

Hayward Armstrong (2012). Professor of Missions and Director of Online Programming. B.A., Samford University; M.Div. and Ed.D., New Orleans Baptist Theological Seminary; M.D.E., University of Maryland University College; Ph.D., New Orleans Baptist Theological Seminary / Southern Baptist Theological Seminary.

Randall B. Bush (1991). Professor of Philosophy. B.A., Howard Payne University; M.Div. and Ph.D., Southwestern Baptist Theological Seminary; D. Phil., University of Oxford.

Kevin Chen (2010). Assistant Professor of Biblical Studies. B.S., University of California, Berkeley; M.S., Stanford University; M.Div., Western Seminary; Ph.D., Golden Gate Baptist Theological Seminary.

David S. Dockery (1996). University Professor of Christian Thought and Tradition and President of the University. B.S., University of Alabama at Birmingham; M.Div., Grace Theological Seminary; M.Div., Southwestern Baptist Theological Seminary; M.A., Texas Christian University; Ph.D., University of Texas at Arlington; Additional study, Drew University.

Mark Dubis (2002). Professor of Biblical Studies. B.S., Clemson University; M.Div., Gordon-Conwell Theological Seminary; Th.M., Calvin Theological Seminary; Ph.D., Union Theological Seminary-Virginia.

Ken Easley (2006). Professor of Biblical Studies and Director of the School of Theology and Missions Programs—Olford Center. B.A., John Brown University; M.Div., Trinity Evangelical Divinity School; Ph.D., Southwestern Baptist Theological Seminary.

Bradley Green (1998). Associate Professor of Christian Thought and Tradition. B.A., Northeast Louisiana University; M.Div., Southern Baptist Theological Seminary; Th.M., Southwestern Baptist Theological Seminary; Ph.D., Baylor University.

George H. Guthrie (1990). Benjamin W. Perry Professor of Bible. B.A., Union University; Th.M., Trinity Evangelical Divinity School; M.Div. and Ph.D., Southwestern Baptist Theological Seminary.

Paul N. Jackson (1993). Professor of Biblical Studies. B.A., Hardin-Simmons University; M.Div. and Ph.D., Southwestern Baptist Theological Seminary.

C. Ben Mitchell (2009). Graves Professor of Moral Philosophy. B.A., Mississippi State University; M.Div., Southwestern Theological Seminary; Ph.D., University of Tennessee.

R. Kelvin Moore (1991). Professor of Biblical Studies and Director of D.Min. Program—Singapore. B.A., Samford University; M.Div. and Th.D., New Orleans Baptist Theological Seminary; Additional study, Jerusalem University and Southern Baptist Theological Seminary.

David Olford (2007). Stephen Olford Professor of Expository Preaching and Special Assistant to the President. B.A. and M.A., Wheaton College; Ph.D., University of Sheffield.

Harry L. Poe (1996). Charles Colson Professor of Faith and Culture and Special Assistant to the President. B.A., University of South Carolina; M.Div. and Ph.D., Southern Baptist Theological Seminary; Additional study, University of Oxford.

Jerry N. Tidwell (2007). Assistant Professor of Ministry and Missions, Senior Vice President for University Relations, and Director of the R.G.Lee Center. B.S., University of North Alabama; M. Div. and D. Min., Southwestern Baptist Theological Seminary.

Ray F. Van Neste (1997-98, 2001). Professor of Biblical Studies and Director of the R. C. Ryan Center for Biblical Studies. B.A., Union University; M.A., Trinity Evangelical Divinity School; Ph.D., University of Aberdeen.

Taylor Worley (2008). Assistant Professor of Christian Thought and Tradition and Associate Dean for Spiritual Life. B.A., Union University; M.Div., The Southern Baptist Theological Seminary; Ph.D., University of St. Andrews.

Curriculum

Students who major in the School of Theology and Missions may be eligible for advanced standing in certain seminaries, thus shortening the requirements for master's degrees at those seminaries. Please see the dean for details.

Majors in the Theology and Missions School cannot minor in the School except in the selection of Philosophy. Specifically, Philosophy majors may select a minor in the School other than PHL; the student minoring in PHL may select any major other than Philosophy. All majors must complete one language for two years or two languages for one year each regardless of the B.A. Core Option chosen. Study of biblical languages is strongly encouraged.

I. Core Requirements for All Majors in the School except Philosophy—18 hours

- A. CHR 113, 305, 333, 338—12 hours
- B. CHR/PHL 243—3 hours
- C. PHL 240—3 hours

II. Major in Biblical Studies—Languages—52 hours

- A. Core Requirements for all majors—18 hours
- B. CHR 231 and 498—4 hours
- C. Biblical Languages Electives (also meets B.A. Specific Core Requirements)—12 hours
- D. Electives from Biblical Studies—12 hours
- E. Elective from Christian Thought and Tradition—3 hours
- F. Elective from Christian Ministry and Missions—3 hours

III. Major in Christian Ministry and Missions—40 hours

- A. Core Requirements for all majors—18 hours
- B. CHR 231 and 498—4 hours
- C. Elective hours from Christian Ministry and Missions—12 hours
- D. Elective hours from Biblical Studies—3 hours
- E. Elective hours from Christian Thought and Tradition—3 hours

IV. Major in Christian Studies—40 hours

- A. Core Requirements for all majors—18 hours
- B. CHR 231 and 498—4 hours
- C. Electives from Christian Studies—9 hours
- D. Elective from Biblical Studies—3 hours
- E. Elective from Christian Thought and Tradition—3 hours
- F. Elective from Ministry and Missions—3 hours

V. Major in Christian Thought and Tradition—40 hours

- A. Core Requirements for all majors—18 hours
- B. CHR 231 and 498—4 hours
- C. Electives from Christian Thought and Tradition—12 hours
- D. Electives from Biblical Studies—3 hours
- E. Electives from Christian Ministry and Missions—3 hours

VI. Major in Philosophy—30 hours

- A. PHL 240, 331, 345, 346, and 347—15 hours
- B. Elective from Ethics—3 hours
- C. Electives from upper level Philosophy—12 hours

VII. Major in Sport Management with Sport Ministry Emphasis

See the Department of Physical Education, Wellness and Sport for details.

Minors Offered by the School**I. Minor in Biblical Studies—18 hours**

- A. CHR 113 and 338
- B. Biblical Studies Electives—12 hours

II. Minor in Christian Ministry and Missions—18 hours

- A. CHR 113, 243, 338
- B. Christian Ministry and Missions Electives—9 hours

III. Minor in Christian Studies—23 hours

- A. CHR 113, 231, 243, 305, 333, 338, and PHL 240—20 hours
- B. Elective from CHR courses—3 hours

IV. Minor in Christian Thought and Tradition—18 hours

- A. PHL 240 and CHR 243—6 hours
- B. CHR 305 and 330—6 hours
- C. Christian Thought and Tradition Electives—6 hours

V. Minor in Philosophy—18 hours

- A. PHL 240, 346, and 347—9 hours
- B. Philosophy Electives—9 hours

Assessment of Majors

Students with a major in the School of Theology and Missions are required to take CHR 498, Senior Seminar, as part of their graduation requirement. The seminar is offered every semester and must be taken during the student's senior year.

Student Organizations

A **Ministerial Association** is available for students entering the preaching/pastoral ministry. This association meets monthly for the purpose of strengthening the ties of fellowship among those on campus who are committed to the gospel ministry.

Student Awards

The **Zondervan Greek Award** is presented to the student who shows the greatest achievement in Biblical Studies with a background in Greek.

The School also presents the following awards: A. T. Robertson Advanced Greek Award, H. E. Dana Intermediate Greek Award, Curtis Vaughan Elementary Greek Award, Mark Hatfield Ethics Award, R. G. Lee Christian Ministry Award, J. P. Boyce Theology and Philosophy Award, Billy Graham Christian Character Award, George Savage Hebrew and Old Testament Award, Phil Briggs Youth Ministry Award, M. E. Dodd Perseverance Award, and Broadman and Holman Award.

Course Offerings in the School of Theology and Missions

() Hours Credit; F—Fall, W—Winter; S—Spring; Su—Summer.
Unless noted, courses are offered every year.

Biblical Studies and Languages Division Including Biblical Literature and Theology and Biblical Languages

Biblical Literature and Theology (CHR)

111. Old Testament Survey (3)

A survey of the Old Testament with emphasis on historical, theological, and literary development. Does not apply to any of the Department's majors/minors.

112. New Testament Survey (3)

Recommended prerequisite: CHR 111.

A survey of the New Testament with emphasis on historical, theological, and literary development. Does not apply to any of the Department's majors/minors.

113. Introduction to Bible Study and Interpretation (3)

The study of the process of hermeneutics or interpretation. Special emphasis is given to the methodology of step-by-step Bible study.

213. Biblical Backgrounds (3)

Prerequisite: CHR 111, CHR 112.

A survey of the history, literature, archaeology, geography, and culture of biblical times.

310. History of the Bible in Translation (3) F or S— Alternate Years

Historical survey of translation work on the Bible, from the time of the Old Greek translations of the Hebrew Bible until the present. The course deals with key historical figures, important events, philosophies, the motivations for translation work, and the role of translation in Christian mission.

314. Studies in the Pentateuch (3) S—Even Years

Pre- or Corequisite: CHR 231.

An intensive study in the first five books of the Old Testament.

317. Minor Prophets (3) F—Even Years

Prerequisite or Corequisite: CHR 231.

An exegetical study of selected minor prophets.

321. The Life of Christ (3) S—Even Years

Pre- or Corequisite: CHR 231.

A study of the life of Christ as recorded in the Synoptic Gospels.

325. Pauline Epistles (3) F—Odd Years

Pre- or Corequisite: CHR 231.

An exegetical study of selected Pauline epistles.

328. Hebrews (3) F—Even Years

Pre- or Corequisite: CHR 231.

An exegetical study of Hebrews.

330. Biblical Theology (3) F—Even Years

Pre- or Corequisite: CHR 231.

See Christian Theology for course description.

415. Poetry and Wisdom Literature of the Old Testament (3) S—Odd Years

Pre- or Corequisite: CHR 231.

An intensive study of Hebrew poetry and wisdom literature as religious literature and as literary forms. An exegetical study of selected poetry and wisdom literature (Job, Psalms, Proverbs, and Ecclesiastes).

416. Major Prophets (3) F—Odd Years

Pre- or Corequisite: CHR 231.

A study of the origin and development of Hebrew prophecy; an exegetical study of some of the major prophetic books of the Old Testament.

423. The Johannine Literature (3) S—Odd Years

Pre- or Corequisite: CHR 231.

An intensive study of the Gospel of John and the Johannine Epistles.

Biblical Languages (GRK and HBR)

GRK 211. Elementary Greek I (3) and

212. Elementary Greek II (3)

A course sequence to study of the basic forms, syntax, vocabulary and pronunciation of the Greek New Testament. Three hours lecture and one hour lab per week.

GRK 311. Intermediate Greek I (3) and

312. Intermediate Greek II (3)

Prerequisite: GRK 212.

A two-semester study of the grammar and syntax of the Greek New Testament. Reading in the New Testament.

GRK 411. Advanced Greek I (3) and

412. Advanced Greek II (3)

Prerequisite: GRK 312.

Extensive reading courses in the Greek New Testament with emphasis upon careful, accurate exegesis.

HBR 311. Elementary Hebrew I (3) and

312. Elementary Hebrew II (3)

The course sequence is designed to introduce students to the verb forms, vocabulary, and syntax of biblical Hebrew.

HBR 411. Advanced Hebrew I (3) and

412. Advanced Hebrew II (3) As Needed

Extensive reading courses in the Hebrew Bible, emphasizing translation, verb parsing, accents, critical notes and exegesis.

Christian Thought and Tradition Division

Including Christian Ethics, Christian Theology, Church History, and Philosophy

Christian Ethics (CHR)**243. Introduction to Christian Ethics (3)**

Reciprocal credit: PHL 243. See PHL 243 for course description.

324. Contemporary Issues in Christian Ethics (3)

Prerequisite: Recommended: CHR 243.

An examination of the most significant contemporary moral issues facing the church and American society, with emphasis on Christian response both in terms of moral conviction and moral engagement.

344. History of Christian Ethics (3) F—Even Years

Exploration of the heritage of Christian moral reflection, from early church through the modern era, with attention to a wide range of traditions, thinkers, and movements.

345. Ethics in Professional Life (3) As Needed

An examination of the moral dimensions of the Christian ministry and the moral issues facing ministers in their day-to-day work. Attention is given to the minister's personal, professional, and collegial relationships and moral responsibilities.

347. Family Ethics (3) F or S--Alternate Years

A study of the family in the context of normative biblical, theological and ethical perspectives. Attention will also be given to contemporary challenges to the family including cohabitation, divorce, civil unions and polygamy.

400. Ethics in Sport (3) As Needed

Reciprocal credit: PEWS 400. See PEWS 400 for course description.

424. Bioethics (3)

Prerequisite: CHR 243 or other ethics course.

A survey of the Hippocratic/Judeo-Christian tradition in medical ethics against the background of biblical-theological discussions of human nature, medicine, healing, and biotechnology, as a context understanding the rise of contemporary bioethics.

440. Thinkers and Movements in Christian Ethics (3) As Needed

Prerequisite: CHR 243.

A thorough examination of a major movement or thinker in either historic or contemporary Christian ethics, taught in seminar style.

444. Intensive Issues in Ethics Seminar (3) As Needed

Pre- or corequisites: CHR 243, CHR 324.

An intensive analysis of one major issue or cluster of issues in contemporary Christian ethics, taught in seminar style. Repeatable for additional credit as topics are varied.

Christian Theology (CHR)**330. Biblical Theology (3) F—Even Years**

Pre- or Corequisite: CHR 231

An exegetically-oriented presentation of the theological teachings of the Old and New Testaments. Emphasis on the student understanding the main teachings of the faith in their original contexts, historical development of those teachings throughout biblical history, and implications of biblical theology for modern Christian life and practice.

338. Christian Doctrine (3)

Pre- or Corequisite: CHR 231.

Major theological doctrines of Christianity; the Trinity, revelation, God, creation, sin, Christology, the Atonement, the Holy Spirit, the church, Christian life, and eschatology; with special attention to biblical, historical, philosophical, and cultural influences upon theological development and methods used in doing constructive theology.

348. Faith and Culture in Film (3) F—Even Years

An examination of how films as stories convey faith or alternative responses to God as latent aspects of the total film experience. Includes an exploration of how explicit a film may be about faith or another ideological position without losing its credibility as a film.

350. C. S. Lewis: His Life and Work (3) F or S--Alternate Years

Reciprocal Credit: PHL 350.

Exploring the breadth of the writing of C. S. Lewis; including his fiction, apologetics, literary criticism, devotional writings, and essays in their historical setting. Attention will be given to how the theology of Lewis informed his scholarship and how his scholarship informed all of his writing.

360. The Gospel and Its Meaning (3) F or S--Alternate Years

An examination of the gospel in its biblical, historical and theological expression with attention to how it crosses cultures and addresses the ultimate questions of life.

382. The Doctrine of God (3) F—Odd Years

Prerequisite: CHR 338.

An in-depth study of God as Trinity, as well as a study of the attributes of God. The student will be introduced to the key theological struggles of the Church as she has grappled with the reality of God.

383. Christ and Salvation (3) S—Even Years

Prerequisite: CHR 338.

The Person of Christ, the work of Christ, and the doctrine of salvation.

438. Science and Faith (3) F or S—Alternate Years

Reciprocal Credit: PHL 438.

Exploration of the major scientific concepts guiding modern science in relationship to the major faith commitments of the Christian faith as expressed in the gospel and the creeds in an effort to produce constructive dialogue that will mutually inform the two ways of knowing. Concepts explored include cosmology, evolution, quantum physics, and chaos theory; Doctrines explored include: creation, revelation, incarnation, salvation, exaltation, and eschatology as they relate to specific scientific concerns.

482. Great Texts and Theologians I (3) F—Even Years

Prerequisite: CHR 338.

A primary texts course in which students work through the writings of key theologians from ancient and medieval Christian thought.

483. Great Texts and Theologians II (3) S—Odd Years

Prerequisite: CHR 338

A primary texts course in which students work through the writings of key theologians from Reformation and post-Reformation eras.

485. Critical Issues in Theology (3) As Needed

Prerequisite: CHR 338.

An introduction to a contemporary issue in the world of theology by means of intensive research in a seminar format.

Church History (CHR)

300. American Church History (3) F—Even Years

Reciprocal credit: HIS 300. See HIS 300 for course description.

305. History of Christianity (3)

Prerequisite: HIS 101 and 102. Reciprocal credit: HIS 305. See HIS 305 for description.

306. Early and Medieval Christianity (3) As Needed

A survey of the history of Christianity from the post-apostolic period through the 15th century.

313. Modern Christianity (3) As Needed

A survey of the history of Christianity from the 17th century to the present.

316. Renaissance and Reformation (3) F—Odd Years

Reciprocal credit: HIS 316. See HIS 316 for description.

331. Early Christian Political Thought (3)

Reciprocal Credit: PSC 331.

See PSC 331 for description.

335. Modern Christian Political Thought (3)

Reciprocal credit: PSC 335.

See PSC 335 for description.

405. History of the Baptists (3) S—Odd Years

Interpretive survey of the history of Baptists in England and America from the 17th century to present with emphasis on the history of the Southern Baptist Convention.

415. History of Spiritual Awakenings (3) F or S—Alternate Years

A study of spiritual awakenings that examines the historical, theological and cultural milieu from which they have emerged.

Philosophy (PHL)

240. Introduction to Philosophy (3)

An introductory course in philosophy designed to acquaint the student with the major fields of philosophical study.

243. Introduction to Christian Ethics (3)

Reciprocal credit: CHR 243.

An introduction to Christian ethics, focusing on methodology with a survey and comparison of philosophical, secular, and theistic perspectives on the moral life, then moves on to develop a comprehensive evangelical approach.

331. Epistemology and Metaphysics (3) F or S—Alternate Years

This course helps students understand the world better by studying significant interpretations of knowledge, belief, being, and the world that have been offered by thinkers, both past and present—the major concerns of epistemology and metaphysics.

345. Logic (3) S—Odd Years

Examination of methods of critical thinking with attention given to the Socratic method, inductive and deductive reasoning, and the identification of logical fallacies.

346. History of Philosophy I (3) F—Odd Years

A survey of the history of philosophy from the time of Thales to the Renaissance and Reformation, examining the philosophical background in which Christianity emerged.

347. History of Philosophy II (3) S—Even Years

A survey from the Reformation to the modern period. Particular attention will be given to the dialogue between philosophy and the Christian faith in Western thought.

349. World Religions (3) S—Odd Years

Prerequisite: six hours in Christian Studies. Reciprocal credit: CHR 349.

A survey of the world's major religions.

350. C. S. Lewis: His Life and Work (3) F or S—Alternate Years

Reciprocal Credit: CHR 350.

Exploring the breadth of the writing of C. S. Lewis; including his fiction, apologetics, literary criticism, devotional writings, and essays in their historical setting. Attention will be given to how the theology of Lewis informed his scholarship and how his scholarship informed all of his writing.

438. Science and Faith (3) F or S—Alternate Years

Reciprocal credit: CHR 438.

Exploration of the major scientific concepts guiding modern science in relationship to the major faith commitments of the Christian faith as expressed in the gospel and the creeds in an effort to produce constructive dialogue that will mutually inform the two ways of knowing. Concepts explored include cosmology, evolution, quantum physics, and chaos theory; Doctrines explored include: creation, revelation, incarnation, salvation, exaltation, and eschatology as they relate to specific scientific concerns.

448. Philosophy of Film (3) S—Odd Years

Reciprocal Credit: CHR 448.

An examination of philosophical themes as developed in film with special attention given to existentialism, nihilism, pragmatism, phenomenism, and postmodernism.

450. Philosophy of Religion (3) F—Even Years

Prerequisite: PHL 240. Reciprocal credit in CHR 450.

A study of the philosophical attempt to understand the nature of God and the significance of religion in the life of man. An investigation as to the validity of the claim to a type of knowledge called “religious” and the methods whereby such is gained.

Christian Ministry and Missions Division (CHR)
271. Youth Ministry Strategies (3) F—Even Years

A study of youth ministry focusing on the various approaches, methods, and strategies with practical applications for programming, goals and desired outcomes.

307. Faith-Based Social Services (3) F—Odd Years

Reciprocal credit: SW 307. See SW 307 for course description.

320. Sport Ministry and Recreation Management (3)

A course which focuses on the Great Commission and how Sports/Recreation activities can be used as a bridge to fulfill such. This course will provide students with the foundational knowledge to plan, implement, and evaluate a Sports Ministry program within various settings.

333. Contemporary Christian Life and Practice (3)

Pre- or Corequisite: CHR 231.

Contemporary issues related to practical and ethical issues from a Christian perspective. Topics: vocation, time/resource management, marriage relationships, conflict resolution, evangelism, church involvement, Christian worldview, devotional life, and practical ethics.

345. Ethics in Professional Life (3) As Needed

An examination of the moral dimensions of the Christian ministry and the moral issues facing ministers in their day-to-day work. Attention is given to the minister’s personal, professional, and collegial relationships and moral responsibilities.

348. Faith and Culture in Film (3) F—Even Years

An examination of how films as stories convey faith or alternative responses to God as latent aspects of the total film experience. Includes an exploration of how explicit a film may be about faith or another ideological position without losing its credibility as a film.

349. World Religions (3) S—Odd Years

Prerequisite: 6 hours in CHR. Reciprocal credit: PHL 349. A survey of the world’s major religions.

350. C. S. Lewis: His Life and Work (3) F or S—Alternate Years

Reciprocal Credit: PHL 350.

Exploring the breadth of the writing of C. S. Lewis; including his fiction, apologetics, literary criticism, devotional writings, and essays in their historical setting. Attention will be given to how the theology of Lewis informed his scholarship and how his scholarship informed all of his writing.

360. The Gospel and Its Meaning (3) F or S—Alternate Years

An examination of the gospel in its biblical, historical and theological expression with attention to how it crosses cultures and addresses the ultimate questions of life.

363. Biblical Preaching (3)

A study of the basic techniques of sermon preparation and delivery. Recommended for all ministerial students.

365. Pastoral Ministries (3) S—Even Years

Pre- or Corequisite: CHR 231.

A course designed to deal with the practical work of the pastor.

367. Introduction to Christian Evangelism (3) As Needed

Pre- or Corequisite: CHR 231.

The Biblical and doctrinal basis for evangelistic preaching, planning, and programming.

372. Youth Ministry Administration (3) S—Even Years

An examination of the various aspects of administering the work of the youth minister focusing on roles, relationships, resources and responsibilities, and practical application to the local church.

375. Youth Ministry Issues (3) S—Odd Years

Pre- or Corequisite: CHR 231

A study of the issues facing youth as well as the developmental nature of youth and the issues affecting them and their families.

377. Survey of Missions (3)

Pre- or Corequisite: CHR 231.

Survey of missions and outreach with particular focus on Southern Baptist missions.

415. History of Spiritual Awakenings (3) F or S—Alternate Years

A study of spiritual awakenings that examines the historical, theological and cultural milieu from which they have emerged.

438. Science and Faith (3) F or S—Alternate Years
Reciprocal credit: CHR 438.

Exploration of the major scientific concepts guiding modern science in relationship to the major faith commitments of the Christian faith as expressed in the gospel and the creeds in an effort to produce constructive dialogue that will mutually inform the two ways of knowing. Concepts explored include cosmology, evolution, quantum physics, and chaos theory; Doctrines explored include: creation, revelation, incarnation, salvation, exaltation, and eschatology as they relate to specific scientific concerns.

448. Philosophy of Film (3) S—Odd Years

Reciprocal Credit: CHR 448.

An examination of philosophical themes as developed in film with special attention given to existentialism, nihilism, pragmatism, phenomenism, and postmodernism.

450. Philosophy of Religion (3) F—Even Years

Prerequisite: PHL 240. Reciprocal credit: PHL 450. See PHL 450 for description.

481. Christian Ministries Mentorship (3)

Prerequisites: Application to the Chair by midterm of the semester before placement, and completion of Major Core and Track Core. Graded: Pass/Fail

A course of applied church ministry. Students will spend 3 weeks in the classroom and at least 115 clock hours in a church or Christian related organization.

Available in each departmental prefix:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their applications must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) As Needed

231. Sophomore Seminar (2)

Prerequisite: CHR 111, 112

A Corequisite of all upper-level courses in the major taken in the sophomore year or at program entry. Introduces the student to basic research methodologies, writing styles, and expectations in ministry.

295-6-7. Special Studies (1-4) As Needed

Lower-level group studies which do not appear in the regular departmental offerings.

395-6. Special Studies (1-4) As Needed

Upper-level group studies which do not appear in the regular departmental offerings.

397. Special Studies in Church History (1-4) As Needed

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) As Needed

Individual research under the guidance of a faculty member(s).

498. Senior Seminar (2)

Required of Department majors. Must be taken during senior year.

499. Seminar (1-3) As Needed

To be used at the discretion of the department for majors only. Senior standing in the department required.

PROGRAMS OF THE R.G. LEE CENTERS

ADULT STUDIES/THEOLOGY AND MISSIONS

Program Leadership

Gregory A. Thornbury (1999). Dean of the School of Theology and Missions, Vice President for Spiritual Life and Associate Professor of Philosophy and Theology. B.A., Messiah College; M.Div. and Ph.D., Southern Baptist Theological Seminary; Additional study, Oxford University.

Christy Young (2006). Assistant Director, R.G. Lee Center. B.S.O.L., M.B.A., Union University.

For additional information, including direct contact information for program personnel, visit www.uu.edu/centers/rglee.

Program Admission

Applicants must be at least 25 years of age and have served in some capacity in their church for at least 3 years. In addition to the application for admission, applicants must provide a letter of recommendation from their church and meet university admission requirements.

Calendar

Calendars for the programs offered through the R.G. Lee Center are tailored to meet the needs of adult, evening students as well as the ministerial schedules of the faculty and the students. For this reason schedules of course offerings do not follow the traditional calendars presented in the Catalogue and vary by center. Calendars are available at: www.uu.edu/academics/adultstudies/ad/ and www.uu.edu/academics/adultstudies/dcm/

Curriculum

The Center offers two programs at various sites throughout West Tennessee. The diploma program is designed for adult education incorporating an exposure to the liberal arts. Credit earned through the Diploma of Christian Ministry program is applicable to the Associate of Divinity degree. The Associate of Divinity is a professional program offered to the non-traditional student.

Degree Requirements: Diploma in Christian Ministry—30 hours

I. General Education Requirements

Two courses (6 hours) from CHR 111, 112; PHL 240; HIS 101; MAT .

II. Christian Ministries Requirements—24 hours

A. Old Testament courses, 2: RGL 314, 317, 415, 416, one from RGL 320-358.

B. New Testament courses, 2: RGL 300, 301, 302, 423, one of RGL 359-378.

C. Theological courses, 2: RGL 113, 342, 304.

D. Ministry Studies courses, 2: RGL 261, 263, 307, 454.

Degree Requirements: Associate of Divinity—66 hours

I. General Education requirements

A. ENG 111 and 112—6 hours

B. PHL 240; HIS 101; MAT (3 hours)—9 hours

II. Associate of Divinity Requirements—51 hours

A. Old Testament courses, 3: RGL 314, 317, 415, 416, one of RGL 320-358.

B. New Testament courses, 3: RGL 300, 301, 302, 423, one of RGL 359-378.

C. Theological courses: RGL 113, 243, 304.

D. General Studies: RGL 303.

E. Ministry Studies: RGL 261, 263, 305.

F. Three Electives from: RGL 306, 307, 308, 309, 310, 311, 454.

G. Practicum: RGL 481

Program Assessment

Students pursuing the Associate of Divinity are required to take RGL 481, Christian Ministries Internship as the capstone course.

Course Offerings through the R.G. Lee Centers (RGL)

113. Introduction to Bible Study and Interpretation (3)

The study of the process of hermeneutics or interpretation. Special emphasis is given to the methodology of step-by-step Bible study.

243. Approaches to Moral Decision Making (3)

An introduction to Christian ethics, focusing on methodology with a survey and comparison of philosophical, secular, and theistic perspectives on the moral life, then moves on to develop a comprehensive evangelical approach.

261. Introduction to Christian Education (3)

The origin, purposes, officers and curriculum of the organizations of the local church.

263. Homiletics (3)

A study of the basic techniques of sermon preparation and delivery.

300. The Life of Christ (3)

A study of the life of Christ as recorded in the Synoptic Gospels.

301. Pauline Epistles (3)

An exegetical study of selected Pauline epistles.

302. Hebrews, General Epistles, Revelation (3)

An exegetical study of Hebrews, Revelation, and selected General Epistles.

303. Contemporary Christian Life and Practice (3)

Contemporary issues as they relate to practical and ethical issues from a Christian perspective: vocation, time and resource management, marriage relationships, conflict resolution, evangelism, church involvement, Christian world view, and devotional life.

304. Christian Doctrine (3)

Major theological doctrines of Christianity: the Trinity, revelation, God, creation, sin, the fall of man, Christology, the Atonement, the Holy Spirit, the church, the Christian life, and eschatology.

305. Pastoral Ministries (3)

A course designed to deal with the practical work of the pastor.

306. Introduction to Christian Evangelism (3)

The biblical and doctrinal basis for evangelistic preaching, planning, and programming.

307. Church Ministry with Preschool and Children (3)

Curriculum focusing on issues relating to children and their parents.

308. Church Ministry with Youth (3)

Youth ministry within the church focusing on organizations, practical aspects of ministry, meeting the needs of youth, and the unique role of the minister with youth.

309. Church Ministry with Adults (3)

The church's curriculum and responsibility to minister with families and marriages.

310. Youth Ministry Issues (3)

Issues facing youth as they deal with developmental and those affecting youth and their families.

311. Survey of Missions (3)

A survey of missions and outreach with a particular focus on Southern Baptist missions.

314. Studies in the Pentateuch (3)

An intensive study in the first five books of the Old Testament.

317. Minor Prophets (3)

A study of the minor prophets.

415. Poetry & Wisdom Literature of the Old Testament (3)

An intensive study of Hebrew poetry and wisdom literature (Job, Psalms, Proverbs, Ecclesiastes).

416. Major Prophets (3)

The origin and development of Hebrew prophecy; an exegetical study of some of the major prophetic books of the Old Testament.

423. The Johannine Literature (3)

An intensive study of the Gospel of John and the Johannine Epistles.

331. Early Christian Political Thought (3)

Reciprocal credit: PSC 331.

See PSC 331 for the course description.

335. Modern Christian Political Thought (3)

Reciprocal credit: PSC 335.

See PSC 332 for the course description.

454. Southern Baptist Life (3)

A survey of the history, structure, and activities of the Southern Baptist Convention.

481. Christian Ministries Internship (3)

Applied church ministry. Students will spend 3 weeks in the classroom followed by a minimum of 115 hours in a church or Christian related organization.

320-378.

Study of the book(s) indicated with attention to its exposition, historical setting, the meaning for Christians today, and an emphasis on how to teach the book in a local church.

320. Genesis (3)

321. Exodus (3)

322. Leviticus (3)

323. Numbers (3)

324. Deuteronomy (3)

325. Joshua (3)

326. Judges (3)

327. Ruth (3)

328. I Samuel (3)

329. II Samuel (3)

330. I Kings (3)

331. II Kings (3)

332. I Chronicles (3)

333. II Chronicles (3)

334. Ezra (3)

335. Nehemiah (3)

336. Esther (3)

337. Job (3)

338. Psalms (3)

339. Proverbs (3)

340. Ecclesiastes (3)

341. Song of Songs (3)

342. Isaiah (3)

343. Jeremiah (3)

344. Lamentations (3)

345. Ezekiel (3)

346. Daniel (3)

347. Hosea (3)

348. Joel (3)

349. Amos (3)

350. Obadiah (3)

351. Jonah (3)

352. Micah (3)

353. Nahum (3)

354. Habakkuk (3)

355. Zephaniah (3)

356. Haggai (3)

357. Zechariah (3)

358. Malachi (3)

359. Matthew (3)
 360. Mark (3)
 361. Luke (3)
 362. John (3)
 363. Acts (3)
 364. Romans (3)
 365. I Corinthians (3)
 366. II Corinthians (3)
 367. Galatians (3)
 368. Ephesians (3)

369. Philippians (3)
 370. Colossians (3)
 371. I Thessalonians (3)
 372. II Thessalonians (3)
 373. The Pastoral Epistles: I, II Timothy;
 Titus; Philemon (3)
 374. Hebrews (3)
 375. James and Jude (3)
 376. I, II Peter (3)
 377. I, II, III John (3)
 378. Revelation (3)

195-6-7. Special Studies (1-4)

295-6-7. Special Studies (1-4)

Lower level group studies which do not appear in the regular offerings.

395-6-7. Special Studies (1-4)

Upper-level group studies which do not appear in the regular offerings.

495-6-7. Independent Study (1-4)

Individual research under the guidance of a faculty member(s) requiring approval.

498-9. Seminar (1-3)

To be used at the discretion of the department for A.Div. students only.

THE HONORS COMMUNITY

Director

Scott Huelin (2009). Director of the Honors Community and Associate Professor of English. B.A. and M.A., University of North Carolina; Ph.D., University of Chicago.

Jill Webb (1987). Assistant Director of the Honors Community and Professor of Nursing. B.S.N., Murray State University; M.S.N., University of Evansville; Ph.D., University of Tennessee, Memphis.

Justin D. Barnard (2007). Associate Dean for Intellectual Disciplines, Associate Professor of Philosophy, and Associate Professor in the Honors Community. B.A., Palm Beach Atlantic College; M.A. and Ph.D., Florida State University.

The Honors Community at Union University is a community of faculty and students committed to rigorously and resourcefully pursuing the truth in a variety of disciplines as part of our larger calling to Christian discipleship.

The academic programs at the heart of the Honors Community are designed to engage intellectually talented students in conversations across disciplines that highlight the breadth and unity of knowledge while also exposing them to the depth of knowledge within a given discipline. Foundational to this design is the University's commitment to the unity of knowledge within the Christian intellectual tradition and to the particular traditions of knowledge which emerge from various academic disciplines.

The Honors Community includes two independent yet complimentary academic programs. Qualified students may take either program regardless of whether they have taken or will take the other.

General Honors

General Honors courses provide freshman and sophomore Honors students with innovative, interdisciplinary, inquiry-based courses which are designed to tackle big questions of long-standing and contemporary relevance. General Honors courses fulfill both Honors requirements and some General Core requirements. All incoming students who are admitted to Union and have a 3.5 GPA or a 28 on the ACT will be invited to apply to the General Honors program. Transfer students, current Union students, and incoming freshmen who do not meet this criterion but think they are up to the challenge of Honors work are also welcome to apply. Additional details regarding the Admissions Standards and Procedures as well as the application itself can be found at our website: www.uu.edu/academics/honors/.

Discipline-Specific Honors

Discipline-Specific Honors provides an opportunity to pursue high level, funded research in your major under the direct supervision of a faculty mentor. Students interested in Discipline-Specific Honors typically apply to the program in the fall of their junior year. Eligible students must have a cumulative 3.5 GPA and meet any additional department-specific requirements. To graduate with Discipline-Specific Honors, students must attend four honors colloquia during their junior year and four honors colloquia during their senior year, complete 12 hours of honors contract courses in the major, produce an honors project/thesis in their major, maintain a 3.5 cumulative GPA, and fulfill any other requirements established by the department. Students already admitted into Discipline-specific Honors have access to research and travel funds to support their work. For more information on Discipline-specific Honors, consult your major advisor.

University Honors

Students who satisfactorily complete the requirements for both General Honors and Discipline-Specific Honors earn University Honors, one of Union's highest accolades.

General Honors—3 courses

I. General Honors Core—18 hours

A. HON 205 and 215—12 hours/Freshman year

B. HON 225—6 hours/Sophomore year

II. General Honors Electives—6 hours from HON 235/Sophomore year or opportunities for travel and study abroad, study with the Scholar-in-Residence, or other HON courses.

Scholar-in-Residence Program

A scholar of worldwide reputation is invited each year to deliver a series of lectures at the University. Students may take the Scholar-in-Residence course which involves research, writing, and tutorials. Prerequisites: HON 205 and 215.

Student Organization

The Honors Student Association (HSA) serves as the social arm of the program. It functions as any social organization does, choosing officers from the student participants and organizing functions to further the academic programs of the program. Any student enrolled in either General or Discipline-Specific Honors or who has completed General Honors is eligible for membership in HSA; additionally any student interested in the program is invited to attend HSA events as a non-voting member.

Course Offerings in Honors (HON)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

205A-B. Wisdom (6) F

Prerequisite: Admission to General Honors.

Wisdom has served, in many civilizations, as the highest goal of education. The Old Testament declares that wisdom “is more precious than jewels, and nothing you desire can compare with her” (Prov. 3:15). We will inquire after the nature of wisdom and seek the means of acquiring it, giving attention to biblical and extrabiblical literature as well as their historical contexts and their elaborations in subsequent traditions. We will reflect on the purpose and pursuit of contemporary higher education in light of wisdom and consider contemporary applications of these traditions. Exercises are aimed at developing various dimensions of wisdom within self. Due to the nature and purpose of this course as well as its improvement of student writing, it will satisfy the Gateway and ENG 111 in the General Core.

215A-B. Beauty (6) S

Prerequisite: HON 205. Pre- or Co-requisites: HIS 101. What exactly makes any particular person, poem, song or object beautiful? The nature of beauty will be explored through both theory and practice. Students will examine and produce beautiful things in various media, reflect on what makes them beautiful, and discuss the history of aesthetic theory—Eastern and Western, theological and secular—as a resource for answering these questions. The class will culminate in a gallery show involving both works of art and theoretically-informed reflections upon them. The content, along with improvement of student writing as a central concern, provides completion of the General Core requirements of ENG 112 and ART 210.

225A-B. Justice (6) F

Prerequisite: HON 215.

While most agree that a healthy society should be based on justice, there has been little agreement as to what justice is. In this course, we will search for an adequate definition—considering biblical and theological resources as well as philosophers such as Plato, Aristotle, Hobbes, and Rawls—while looking closely at attempts to bring justice in particular communities and situations, both historical and contemporary. Includes service-learning work and reflection upon it. This course satisfies the General Core Social Science/Humanities requirement and, in light of the historical conflicts over justice, satisfies HIS 102.

235. Creation (6) S

Prerequisite: HON 225.

Exploration of the human relation to the natural world through the history of thought about creation as well as through immersion in the natural world itself. Giving special attention to the governing metaphors—gift, dominion, task, matter, threat, resource—used in various times and places for creation and our relation to it, especially those made dominant in and through the scientific revolution. We will examine how our practices of relating to creation change our perceptions both of ourselves and of nature. The course will seek to overcome the everyday estrangement of most students from the natural world through activities to include field trips to the lab: the natural world itself. This course fulfills the General Core Laboratory Science/Group B unless the student’s major or minor requires otherwise.

One or more of the following courses must be chosen to fulfill the requirements of the program. All are subject to the approval of the HCLC unless otherwise stated in the published schedule of class offerings.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand

295-6-7. Special Studies (1-4) On Demand

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (2 or 3)

Upper level group studies which do not appear in the regular departmental offerings. Includes, but not restricted to, offerings of the Scholar-in-Residence Program.

495-6-7. Independent Studies (2-4)

Individual research under the guidance of a faculty member(s).

INSTITUTE FOR INTELLECTUAL DISCIPLESHIP

Faculty

Justin D. Barnard (2007). Associate Dean for Intellectual Discipleship, Associate Professor of Philosophy, and Associate Professor in the Honors Community. B.A., Palm Beach Atlantic College; M.A. and Ph.D., Florida State University.

Mission Statement

The Institute for Intellectual Discipleship exists to promote the cultivation and responsible use of the life of the mind by supporting a broad range of curricular and programmatic initiatives designed to advance the Christian intellectual tradition, to highlight the integration of faith and knowledge under the Lordship of Christ, and to equip Christians for lives of cultural engagement through informed, Christian reflection about crucial aspects of contemporary life.

Through a variety of programs and partnerships, both within Union University and in the community at-large, the Institute works to promote increased understanding of a Christian world and life view and its currency in the church, the academy, and society. Programs of the Institute include the Mars Hill Forum Lecture Series, as well as periodic conferences and colloquia. In addition, the Institute provides administrative support for such curricular initiatives as interdisciplinary courses (UNI) and the Gateway experience (pending approval).

The Gateway Experience

A two semester-hour course required of all freshmen, the Gateway experience aims at instilling the joy of learning, an appreciation for the art of critical thinking, and a sense of the overarching interrelatedness of knowledge from a Christian perspective. Students will

- explore the nature of the liberal arts and their value as a foundation for learning
- examine and articulate their own worldviews through exploring sources of knowledge, Christian intellectual traditions, and cultures
- consider what faith affirmations Christians share, regardless of denominational affiliation, and will begin to identify conflicts and agreements between the Christian faith and contemporary secular worldviews
- cultivate virtues and relationships central to a Christian academic community with implications for their behavior in their local, regional, national, and global, communities
- have opportunities to reflect critically on their own goals as university students.

Course Offerings in University Studies (UNI)

() Hours Credit

100. Gateway (2) – pending approval

The development and ownership of personal learning in the context of Union's Christian liberal arts approach through critically reflective reading, writing, and interaction.

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their applications must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand

295-6-7. Special Studies (1-4) On Demand

Lower-level group studies which do not appear in the regular departmental offerings.

300. Integrative Arts in the Classroom (3)

Prerequisite: EDU 150

The design and implementation of art, music, and movement into elementary classroom instruction. An emphasis on using art, music, and drama as expressive activities for facilitating physical and social development is also included.

395-6-7. Special Studies (2 or 3)

Upper-level group studies which do not appear in the regular departmental offerings. Includes, but not restricted to, offerings of the Scholar-in-Residence Program.

495-6-7. Independent Studies (2-4)

Individual research under the guidance of a faculty member(s).

498. Seminar (1-3)

To be used at the discretion of the department.

INSTITUTE FOR INTERNATIONAL AND INTERCULTURAL STUDIES

Faculty

Cynthia Powell Jayne (1976). University Professor of Language, and Associate Provost for International and Intercultural Studies. B.A., Mississippi College; M.A. and Ph.D., Louisiana State University; Additional study, Vanderbilt University, University of Kentucky and The Summer Institute of Intercultural Communication.

Phillip G. Ryan (1997). Associate Professor of Language and Coordinator of ESL Programing. B.A., Union University; M.A., University of Memphis; Ph.D., Indiana University of Pennsylvania.

Mission Statement

The mission of the Institute is to advance intercultural initiatives, promote international education, coordinate international student services, develop international/intercultural studies, and promote and coordinate ESL initiatives.

Through the Institute students and faculty are supported in their efforts to engage in intercultural and interdisciplinary learning opportunities both in the U.S. and abroad. The Institute supports a number of study-abroad programs sponsored by affiliated organizations such as the Council of Christian Colleges and Universities and the Consortium for Global Education. On campus, the Institute develops programs and services that enhance the international and intercultural awareness of the entire campus community, with particular focus on interdisciplinary and global service-learning endeavors.

Curriculum

The Institute offers two programs in Intercultural Studies, a comprehensive major that does not require a minor, and the minor for students majoring in another area. Both programs are designed to enable students to develop theoretical and practical knowledge needed to live and work effectively in culturally complex environments. The Institute also offers the minor in Humanitarian Studies, which is designed to prepare students to apply content in their majors in a cross-cultural

For additional information including direct contact information with program personnel, see www.uu.edu/academics/iis.

I. Major in Intercultural Studies—57 hours

A. Required Core—27 hours

1. Modern Language 200 or above—6 hours.
2. PSC 214; GEO 215 or 216; ICS 321.
3. ICS 110, required prior to beginning Emphasis, and 320.
4. ICS 245 and 498—6 hours.

B. Select 18 hours from one Emphasis and 9 from the other—27 hours

1. Global Emphasis: CHR/PHL 243, 349; ECO 211, 212, 425; MGT 420; MKT 433; PSC 324, 332, 333, 355, 365, 400, 414; SOC 319, 417; SOC/SW 370, 310, 325; TESL 220, 315, 350, 395/495 (as approved), 440.
2. Regional Emphasis: HIS 317, 320, 322, 420; PSC 322, 323, 325, 360; SOC/SW 419; SPA/FRE 319, 419; SPA/FRE 395/495. Special Topics or Literature/Genre Courses as approved by the Associate Provost.

C. Intercultural Experience; see below—3 hours

The Intercultural Experience, pre-approved by the Associate Provost, is to be taken as an existing internship in the department of concentration, service learning project, or international experience. If no appropriate experiential course is available, the student may register for ICS 445.

II. Minor in Intercultural Studies—28 hours

A. Required Core—22 hours

1. Modern Language 200 or above—6 hours
2. PSC 214; GEO 215 or 216; ICS 110, 320 and 321—15 hours
3. ICS 498 (last semester enrolled)—1 hour

B. Select 6 hours from one of the following seven groups:

1. CHR 243, CHR/PHL 349.
2. HIS 317, 320, 322, 420.
3. PSC 322, 323, 324, 325, 332, 333, 355, 360, 365, 400.
4. SPA/FRE 419, 499 or Special Topics in Literature, Culture, Literature, or Genre Courses as approved by the Director.
5. SOC/SW 419, 310, 325; SW 200; SOC 370, 417.
6. ECO 211, 212, 425, MGT 420; MKT 433.
7. Study Abroad—6 hours as pre-approved by the Director.
8. TESL 220, 315, 350, 395/495 as pre-approved, 440

III. Minor in Humanitarian Studies—27 hours

A. Required Core—24 hours

1. BIO 110, PHY 312, ICS 321, and CHR 377
2. ICS 110* or SW 200*
3. ICS 320* or SW 310* or SOC 310*
4. ECO 425 or PSC 214
5. ICS 445(1 hour) or other cross-cultural experience as approved by the Program Coordinator (Dr. Mark Bolyard) and Associate Provost for Intercultural and International Studies (Dr. Cynthia Jayne)

B. Select one of the following courses (3 hours): GEO 215 or 216, COM 220, HIS 411, PSC 324, CHR 305, 338, or 349, or another elective as approved by the Program Coordinator and Associate Provost for Intercultural and International Studies

*Students majoring in Social Work must take the ICS courses; students majoring in Intercultural Studies must take the SW or SOC courses. Other students must take one ICS course and one SW/SOC course.

Course Offerings in Intercultural Studies (ICS)

() Hours Credit: F-Fall; W-Winter; S-Spring; Su-Summer

105. Introduction to Intercultural Studies for International Students (3) As Needed

Introduction to cross-cultural communication examining some of the basics of intercultural theory using United States culture as a point of reference for developing a conceptual framework.

110. Introduction to Intercultural Studies (3) As Needed

Introduction to the theoretical and practical issues related to cross-cultural communication and the effective managing and transferring of knowledge within different cultures.

210. Introduction to Intercultural Communication in Health Care I (2) As Needed

Introduction to the theory and practice of intercultural communication with particular attention to health care contexts.

212. Introduction to Intercultural Communication in Health Care II (2) As Needed

Introduction to the effective managing and transferring of knowledge in health care contexts within different cultures.

245. Research Methodologies for Intercultural Study (3) As Needed

Introduction to representative research methodologies used in intercultural studies.

320. Intercultural Communication (3) S

Examination of theoretical and practical issues related to cross-cultural communications and intercultural dynamics in the context of contemporary social, cultural, linguistic, political and economic environments.

321. Intercultural Perspectives of Humanitarian Response (3) F

This course is designed to explore intercultural relationships and interaction among people and organizations that provide humanitarian/disaster assistance and those that who receive it. It examines the complex intercultural dynamics faced by organizations and groups, including faith-based non-profit/non-governmental organizations, international governments and military, short-term volunteer groups and others as they engage in humanitarian response efforts.

445. Intercultural Experience (1-3) As Needed

An intercultural service learning project or international experience.

498. Intercultural Studies Capstone Seminar (1 or 3) As Needed

Prerequisite: Must be taken in the student's last semester of major/minor coursework.

Students will prepare and present a paper which demonstrates their ability to integrate knowledge and experiences of the program. Majors take the course for 3 hours credit; minors, for 1 hour.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) On Demand

295-6-7. Special Studies (1-4) On Demand

Lower-level group studies which do not appear in the regular offerings.

395-6-7. Special Studies (1-4) On Demand

Upper-level group studies which do not appear in the regular offerings.

495-6-7. Independent Study (1-4) On Demand

Individual research under the guidance of a faculty member(s).

Study Abroad/External Academic Programs

All students participating in external academic programs in the United States or abroad must officially notify the University prior to beginning the registration process for the program. Failure to do so may jeopardize appropriate transfer of credits and/or applicable funding. All students who participate in an external academic program pay an external study fee to cover administrative costs involved in the external program. Additional fees may be assessed as necessary to cover specific expenditures required for studying in a particular program. Examples of external study programs are described below. For additional information, contact the Institute.

Department Sponsored International and Domestic Programs

Academic departments of the university regularly offer study tours which integrate travel and course work. Recent tours include travel to Italy (Art 210, ENG), England (HON, ENG), Poland (HIS, CHR), Washington, DC (CHR). Contact the Institute for additional information.

Programs Sponsored Through External Consortia

Council for Christian Colleges and Universities

The Institute coordinates student participation in CCCU-sponsored programs:

- American Studies Program
- Australian Studies Centre
- China Studies Program
- Contemporary Music Program
- Latin American Studies Program
- Los Angeles Film Studies Center
- Middle East Studies Program
- Oxford Honors Program
- Russian Studies Program
- Uganda Studies Program
- The Scholars' Semester in Oxford
- Washington Journalism Center

Mid-Continent Consortium

The Mid-Continent Consortium is an association of regional institutions that collaborate to develop international study programs. Examples include the following language programs:

- University of Quebec at Chicoutimi, Canada-French, Canadian Studies
- University of Guanajuato, Mexico-Spanish

Consortium for Global Education (CGE)

Member institutions have established more than 300 partnerships with some of the world's most prestigious universities. The wide range of programs includes student and faculty exchanges, summer study programs, conferences, seminars, and special projects.

Christian College Teacher Education Coordinating Council

Students in the Teacher Education Program may apply to fulfill their student teaching requirement abroad. Contact the Assistant Dean for Teacher Education and Accreditation for more information.

Institutional Agreements

Union has established partnerships with a limited number of organizations or institutions to provide external study experience. These include:

Ansgar College, Kristiansand, Norway
LCC International College, Klaipeda, Lithuania
University of Georgia, Cortona, Italy
Salzburg College, Salzburg, Austria
Baptist Theological Seminary, Singapore

DEPARTMENT OF SOCIOLOGY & FAMILY STUDIES

INSTITUTE FOR INTERNATIONAL AND INTERCULTURAL STUDIES

Faculty

Randall W. Phillips (2004). Director of Research and Associate Professor of Family Studies. B.S., Union University; M.A., Phillips Graduate Institute; Ph.D., Southern Illinois University-Carbondale.

Mission Statement

The mission of the Department is to provide students with a broad background in the study of society and human relationships from a Christian perspective, to enable them to enter graduate programs or entry level positions in their respective discipline.

Curriculum

I. Sociology major—33 semester hours

The courses in Sociology are designed for two types of students: (1) those who desire pre-professional training for sociology or other related fields of human relations, and (2) those who seek to understand underlying principles in human relations, the role of custom and group psychology in collective behavior, the structure of society, the problems of group living, and the tendencies toward the improvement or the disintegration of society. Courses are designed to present both a practical and a scientific analysis of human relationships in the various areas of social life.

- A. Core required of all SOC majors—18 hours
 - 1. SOC 211, 317, 417, 418, 422
 - 2. SOC 310 or 419
- B. Concentration, select one:
 - 1. General Sociology—15 hours
 - a. SOC 498
 - b. SOC Elective Hours—12
 - 2. Social Organization—15 hours
 - a. SOC 213 or 324
 - b. SOC 411, SW 200, SW 335, PSY 213

II. Family Studies major—42 hours

The family, as a basic building block of society, is critical to the functioning of society as a whole. The contribution of the Christian community to the development of leaders in family relations is crucial. The Family Studies major focuses on the development of the individual in the context of family and society. The program is designed to prepare students for (a) professional careers in a variety of human service areas; (b) leadership roles in church, school, and community; (c) personal roles in family living; and (d) graduate

education. Graduates who do not pursue graduate study typically find employment as parent educators, child life specialists and program directors in public and private agencies.

- A. Prerequisites: SOC 211, PSY 213, SW 200.
- B. SOC 225, 325, 333, 370, 411, 422, 425; CHR 243; COM 235; ECO 400; PSY 219; SW 335
- C. Select 6 total hours from 2 different areas:
 - 1. SOC 310, 319, 321, 420
 - 2. PSY 313, 324, 418, 425, 435
 - 3. PEWS 113, 301
- D. Optional experience: study at Focus on the Family Institute may substitute for one or more courses above. See the Department Chair for details.

IV. Family Studies minor—21 hours

- A. SOC 225, 425
- B. 15 semester hours from 2 different areas shown in I. B., C., D. of the major.

V. Sociology minor — 21 semester hours

- A. SOC 211, 417
- B. Fifteen SOC hours, 6 of which must be upper-level.

VI. Human Studies minor — 21 semester hours

The interdisciplinary Human Studies minor is designed to give flexibility to the student interested in education and human studies.

- A. Include two of the following: PSY 213, SOC 211, SE 225.
- B. Fifteen hours, 9 of which must be upper-level, from EDU, PSY, SE, SOC, SW.

Assessment of Majors

Sociology majors round out their program with SOC 498: Senior Capstone Seminar. Senior Sociology students engage in original research which draws upon theoretical knowledge acquired in SOC 417 and research methodology gained in SOC 422. A major original research and oral presentation are the cumulative outcomes of the Sociology major.

The capstone experience for Family Studies students is found in SOC 411: Internship. In this course students are given the opportunity to apply knowledge from their coursework, clarify their own professional objectives, and gain professional experience in an approved community agency. Family Studies students complete a substantive term paper and senior portfolio in the Internship.

Student Organizations

Pi Gamma Mu, national social science honor society, seeks to improve scholarship in social studies; to inspire service to humanity by an intelligent approach to the solution of social problems; and to engender sympathy towards others with different opinions and institutions. Students who have completed 20 hours of social science with a "B" average or above are eligible for membership.

Sociologists in Motion offers Sociology, Family Studies and Human Studies majors/minors opportunities

for fellowship, sociological networking, and to guide individuals in the field; to open the field of Sociology to prospective students; and to demonstrate Christian love through ministry opportunities.

Student Awards

The **Pi Gamma Mu Scholarship Leader Award** is presented to the graduating member of the society with the highest academic average.

Course Offerings in Sociology (SOC)

() Hours Credit; F-Fall; W-Winter; S-Spring; Su-Summer

211. Principles of Sociology (3) F, W, S, Su

An introduction to the scientific study of human behavior in group settings.

213. Social Problems (3) S—Even Years

A practical introduction to some of the specific contemporary social issues such as crime, domestic violence, and alcohol and drug addiction.

225. Relationships, Marriage and Families (3) F, S, Su

Reciprocal credit: SW 225.

An investigation of the sociocultural and historical factors influencing relationships, marriage and families emphasizing challenges, prevention and intervention.

300. Sport Sociology (3) S—Even Years

Reciprocal credit: PEWS 300.

Application of sociological principles to sport and athletics. Exploration of sport as a social institution in American society and how it is an agent of social change.

310. Social and Economic Justice (3) F, S

Prerequisites: CHR 111 or 112. Reciprocal credit: SW 310. See SW 310 for description.

317. Community Life and Social Structure (3) F

Prerequisite: SOC 211.

An exploration and analysis of social forces that structure human community. An overview of the process of urbanization in America, and the various ways in which rural and urban community life are organized into diverse social patterns. Contains a service-learning component.

319. Sociology of Religion (3) F—Even Years

Prerequisite: SOC 211.

A sociological analysis of religious practice and belief. The intersection of religion with personal, family and social life is emphasized. Cults, sects, fundamentalism and radicalism are all examined in this context.

321. Social Gerontology (3) F

Prerequisite: SOC 211. Reciprocal credit: SW 321.

A brief, comprehensive introduction to the subject of aging. The social and socio-psychological aspects will be examined.

324. Social Deviance (3) S—Odd Years

Prerequisite: SOC 211. Reciprocal credit: SW 324.

Focuses on why certain individuals violate social norms and the ways society responds and attempts to control deviant behavior. Topics include: defining, measuring and explaining social deviance and types of deviant behavior as well as personal and social consequences of deviant behavior.

325. Families Across Cultures (3) F, S

Reciprocal credit: SW 325.

The family as an object of sociological inquiry within the context of cross-cultural, multi-cultural and historical bases. Continuity and change, similarities and differences are emphasized.

333. Parent-Child Relations (3) S

Prerequisite: SOC 211.

Social and historical context of parent-child interaction over the life course; analysis of theories, research and educational programs; socialization into the family; examination of parenting as a developmental process. Overview of the parenting process in diverse cultural and familial structures. Current issues in child rearing.

355. Cultural Anthropology (3) F—As Needed

Prerequisite: SOC 211.

A study of humanity, biologically and culturally, including its origins, changes, and present-day manifestations utilizing a cross-cultural approach. Topics: language, food gathering, kinship, social stratifications; economic, political, religious structures.

370. Gender and Sexuality (3) S

Prerequisite: SOC 211. Reciprocal credit: SW 370.

Gender and sexuality in American society and cross-culturally with consideration to the role of gender in structuring identity, male/female interaction, and constraining or expanding opportunities. Topics: Sexual development, function and dysfunction, cultural and socio-psychological issues, and Christian, ethical and moral responses.

411. Internship (3) S

Prerequisites: 21 SOC hours including 417 or 425; 422; and departmental approval.

A field situation in a community agency. Supervision will be provided by the agency and department. A journal and substantive term paper are required.

417. The History of Social Thought (3) S

Prerequisites: 6 hours of SOC including SOC 211.

The origin and development of social thought with an emphasis on contemporary social theory.

418. Social Psychology (3) F

Prerequisites: SOC 211, PSY 213. Reciprocal credit: PSY 418. See PSY 418 for description.

419. Social Diversity and Inequality (3) S

Prerequisite: SOC 211. Reciprocal credit: SW 419.

A study of the social, cultural, historical, political-economic, and psychological dimensions of minority-majority group relations with an emphasis on American society. Problems and intervention strategies will be examined.

420. Death and Dying (3) S—Even Years

Prerequisite: SOC 211. Reciprocal credit: SW 420.

An interdisciplinary investigation of death and dying exploring contributions from anthropology, ethics, health sciences, history, literature, psychology, religion, and sociology. Strategies of counseling with dying persons and their families will be central.

422. Research Methods (3) F

Prerequisite: MAT 114; 6 additional hours in SOC including 211.

Research design, applied techniques, and data analysis methods with emphasis on a research project, from problem formulation to research report.

425. Strengthening Marriage and Families (3) F

Prerequisites: SOC 211, 225.

Family theories from sociological and family studies perspectives exploring historical roots, assumptions, concepts, and applications for strengthening relationships. Emphasizes premarital and family life education, marriage and family enrichment.

435. Contemporary Issues in the Family (3) W

Prerequisites: SOC 211, 225. Reciprocal credit: PSY 435.

An in-depth look at the family, life issues, threats and challenges today. Biblical principles related to such issues as parent-child relationships, work and family, divorce and family violence are discussed. Preventive techniques and solutions are considered.

498. Senior Capstone Seminar (3) S

Prerequisites: SOC 211 and permission of instructor; Pre or Corequisites: SOC 417, 422.

The culminating experience for Sociology majors requiring students to successfully demonstrate an ability to apply research methods and sociological theories to an empirical research problem/question of their own choosing. The application will take the form of a written paper and a presentation in a public format.

Available in all prefixes:

179-279-379-479. External Domestic Study Programs (1-3) As Needed

All courses and their applications must be defined and approved prior to registering.

180-280-380-480. Study Abroad Programs (1-4) As Needed

All courses and their application must be defined and approved prior to travel.

195-6-7. Special Studies (1-4) As Needed

295-6-7. Special Studies (1-4) As Needed

Lower-level group studies which do not appear in the regular departmental offerings.

395-6-7. Special Studies (1-4) As Needed

Upper-level group studies which do not appear in the regular departmental offerings.

495-6-7. Independent Study (1-4) As Needed

Individual research under the guidance of a faculty member(s).

499. Seminar (1-3) F As Needed

To be used at the discretion of the department for majors only.

THE CENTER FOR EXCELLENCE IN HEALTH CARE PRACTICE

INSTITUTE FOR INTERNATIONAL AND INTERCULTURAL STUDIES

Faculty

Timothy Smith (2005). Dean of the School of Nursing and Professor of Nursing. Diploma, Baptist College for the Health Sciences; B.S.N., University of Memphis; Diploma in Anesthesia, University of Tennessee, Knoxville Graduate School of Medicine; M.S.N. and Ph.D., University of Tennessee Health Sciences Center.

Joy Thomason (2007). Assistant Professor of Nursing Director of Undergraduate Nursing Education. B.S.N., The University of Tennessee, Health Science Center; M.S.N., Union University.

Jessica Suiter (2009) Instructor of Nursing. B.S., University of Missouri; B.S.N., St. Louis University; M.S.N., Union University.

The Institute for International and Intercultural Studies in partnership with the Center for Excellence in Health Care Practice offers two certificate programs in International Health Care. The purpose of the program is to enhance the knowledge and clinical skills of domestic and/or international nurses

and to promote an awareness of intercultural relationships. The two-semester program will provide curriculum that incorporates didactic instruction, clinical laboratory and simulation experiences, and anatomical instruction in the cadaver lab. The program will prepare the international nurse for additional licensure and certification for service at the domestic and/or international level. The intercultural studies component of the program will present foundational concepts of intercultural communication and promote the development of intercultural competence, especially in health care settings.

The program is available on the undergraduate level awarding the Certificate in International Health Care as described below. The program is also available as a post-baccalaureate Certificate in International Health Care as described in the Graduate Catalogue.

Certificate in International Health Care—24 hours

A. ICS 210 and 212—4 hours

B. Select 20 hours from: CHP 300, 305, 310, 315, 320, 325, and 340.

Course Offerings in Center for Excellence in Health Care Practice (CHP)

300. Principles and Practice of Executive Nursing Leadership (4)

Principles and practices of executive nursing leadership as it relates to the understanding of health care systems and role of the nurse leader as a change agent. Clinical simulation and didactic instruction will be provided in strengthening the practice of the established nurse.

305. Principles and Practice of Maternal-Child Nursing (4)

Principles and practice of maternal-child nursing as it relates to the wellness-illness continuum of childbearing families toward promotive and preventative care for the families and newborn. Clinical simulation, anatomical experiences, and didactic instruction will be provided in strengthening the practice of the established nurse.

310. Principles and Practice of Cardiac Vascular Nursing (4)

Principles and practices of cardiac vascular nursing as it relates to providing holistic care for the patient that exhibits cardiac and/or vascular pathophysiological processes. Clinical simulation, anatomical experiences, and didactic instruction will be provided in strengthening the practice of the established registered nurse.

315. Principles and Practice of Psychiatric Mental Health Nursing (4)

Principles and practice of psychiatric mental health nursing as it relates to therapeutic communication in addressing individual and aggregate issues in promoting a healthy individual and family social dynamics. Clinical simulation, anatomical experiences, and didactic instruction will be provided in strengthening the practice of the established nurse.

320. Principles and Practice of Pediatric Nursing (4)

Principles and practice of pediatric nursing as it relates to the wellness-illness continuum of childrearing families in promotive and preventive care for the family and child. Clinical simulation, anatomical experiences, and didactic instruction will be provided in strengthening the practice of the established nurse.

325. Principles and Practice of Medical-Surgical Nursing (6)

Principles and practice of medical-surgical nursing as related to the wellness-illness continuum addressing the pathophysiological and psychological issues associated with acute and chronic disease processes. Clinical simulation, anatomical experiences, and didactic instruction will be provided in strengthening the practice of the established nurse.

340. NCLEX-RN Prep Course for International Nurses (6)

A broad overview of all areas of nursing care as it relates to the potential content on the NCLEX-RN exam, including necessary test taking skills and practice exams based on NCLEX-RN standards. Clinical simulation, anatomical experiences, and didactic instruction will be provided in strengthening the practice of the established nurse.

CENTERS OF THE UNIVERSITY

The Centers of the University were established to promote the ideals of different academic departments to deal Christianly with issues. Each Center is headed by a Director, who also serves the University as a faculty member or in other capacities.

Below is a list of the Centers along with their purpose statements and directors.

R. C. Ryan Center for Biblical Studies

Director: Ray F. Van Neste

The Center exists to promote the skills of effective Bible study and the art of biblical interpretation among students at Union University as well as members of the broader Body of Christ. The Center houses a model library for inductive study of the Scriptures, hosts an annual conference on interpretation and provides resources for local churches in pursuit of ongoing training in Bible study.

Center for Business and Economic Development

Director: Keith Absher

The purpose of this Center is to be the premier provider of economic and business information to Jackson and West Tennessee and to promote avenues that enhance the study and practice of Christian business principles. The Center publishes "Economic Updates" for area Chambers of Commerce, sponsors conferences and provides other services to area businesses such as seminars and employee training.

Carl F.H. Henry Center for Christian Leadership

The Center for Christian Leadership is designed to equip Christians serving in various vocations with the worldview and skills necessary to be high impact servant leaders and change agents in the 21st century.

In so doing, the Henry Center aims to perpetuate the legacy of Carl F.H. Henry (1913-2003), the premier evangelical theologian of the twentieth century, whose life and work embodied an uncompromising commitment to the truth of the Gospel and its application to every sphere of human life and culture.

R. G. Lee Center for Christian Ministry

Director: Greg Thornbury

The purpose of the R. G. Lee Center for Christian Ministry is to equip bi-vocational pastors, staff, and laity for Christian service by offering the Diploma in Christian Ministry and the Associate of Divinity. Details of these programs can be found under Special Programs, Adult and Evening Studies.

An integral part of the Center is the R. G. Lee Society of Fellows Program whose purpose is to enhance and encourage the preaching of the Gospel of Jesus Christ. Upon invitation, a pastor builds a sermon from the resources of the R. G. Lee Library. The sermon is published in an anthology by the Center and distributed to Southern Baptist pastors.

Center for Educational Practice

Director: Melinda Clarke

The purpose of the Center for Educational Practice is to:

- (a) Encourage and edify contemporary practice in education
- (b) Foster scholarship in education among faculty at Union University;
- (c) Publish a CEP Research journal as a forum for students, faculty and the community;
- (d) Bring scholars and events in education to the Union University campus.

With national recognition and accreditation of the University's teacher education programs and burgeoning graduate programs for teachers, the Center exists to assist and coordinate efforts internally and externally to promote the excellence of new ideas in education.

Center for Faculty Development

Associate Director: Nan Thomas

The mission of the Center for Faculty Development is to encourage faculty in:

- (a) Effective and innovative teaching;
- (b) Pursuit of scholarship and professional growth;
- (c) Integration of faith in casual and classroom interactions;
- (d) Integration of faith and learning through spiritual formation.

The Center conducts the new faculty orientation program (Fresh Start), the new faculty mentoring program and continual training for all faculty (In the Academy). The Center also sponsors the Newell Innovative Teaching Awards and a variety of teaching/learning grants. The Center hosts an annual integration of faith and learning collegium for faculty to learn how to think Christianly about their disciplines.

Center for Excellence in Health Care Practice

Director: Tim Smith

Director, Undergraduate Nursing Education: Joy Thomason

The purpose of the Center of Excellence in Health Care Practice is to demonstrate the Christian worldview of humanity in enhancing the skills and knowledge of students and existing health care practitioners. The Center seeks to demonstrate the Christian worldview of humanity through simulation education, continuing education, information services to the community, and excellence in clinical research.

Center for Just and Caring Communities

Director: Mary Anne Poe

The Center is based upon the premise that just and caring communities are created and sustained by transformational relationships. Reciprocal and interactive connections between individuals, families, groups, communities, and society at large exist to either strengthen or violate health relationships within these systems. The Center exists to conduct research and to promote strategies that uplift, restore, and transform these relationships with a special emphasis on vulnerable persons and communities.

Center for Media, Faith and Culture

The Center for Media, Faith and Culture is designed to provide Christians serving in various mediums in the field of communications with worldview and skills needed for them to engage the culture as change agents in the 21st century.

Center for Politics and Religion

Director: Micah J. Watson

The Center for Politics and Religion is meant to provide a forum for teaching, research, and discussion about the intersection between politics and religion. The Center sponsors conferences, promotes research, and encourages students to "think Christianly" about how their faith should affect their politics by analyzing the role of religion in America and the world. The Center aims not only to prepare Union students to impact the political world winsomely and effectively for Christ, but also to represent Union in the larger conversation about faith and politics taking place among fellow believers and non-believers alike.

Edward P. Hammons Center for Scientific Studies

Director: Jennifer Gruenke

The Edward P. Hammons Center for Scientific Studies was formed to show, by example, how science and Christianity are not only compatible, but also synergistic. Science at Union University is seen from a Christian vantage point. The Center operates with the presupposition that science as observed truth need not conflict with revealed truth and that science is impossible apart from the recognition that God has created an orderly universe. Accordingly, the Center strives to provide a fertile environment for the exploration of the nature of the universe, in order to afford a greater appreciation of the complexity and glory of God's creation. The Center seeks to accomplish this by the encouragement of excellence in research and publication by our faculty and by sponsorship of conferences, lectures by outstanding scholars, and community outreach programs.

Center for Racial Reconciliation

The center's mission and purpose is to serve as Union's Hub for discovery, articulation and implementation of Christian Strategies to reverse the unjust consequences of racial discrimination and to prevent their recurrence.

Graduate degrees available at Union University include the:

McAfee School of Business Administration

The Master of Business Administration, M.B.A.

School of Education and Human Studies

The Master of Arts in Education, M.A.Ed.

The Master of Education, M.Ed.

The Master of Urban Education, M.U.Ed.

The Master of Social Work, M.S.W.

The Education Specialist, Ed.S.

The Doctor of Education, Ed.D.

School of Nursing

The Master of Science in Nursing, M.S.N.

The Doctor of Nursing Practice, D.N.P.

Institute for International and Intercultural Studies

The Master of Arts in Intercultural Studies, M.A.I.S.

School of Theology and Missions

The Master of Christian Studies, M.C.S.

The Doctor of Ministry, D.Min.

School of Pharmacy

The Doctor of Pharmacy, Pharm.D.

For an application or information, please direct inquiries to:

M.B.A. Director/Jackson
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5363

M.B.A. Director/Germantown
2745 Hacks Cross Road
Germantown, TN 38138-7507
901.759.0029

Office of Graduate Studies in Education/Jackson
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5374

Office of Graduate Studies in Education/Germantown
2745 Hacks Cross Road
Germantown, TN 38138-7507
901.759.0029

Office of Graduate Studies in Education and Christian Studies/Hendersonville
c/o First Baptist Church
106 Bluegrass Commons Blvd.
Hendersonville, TN 37075
615.447.1342

M.S.W. Director
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5554

M.S.N. Director/Jackson & Germantown
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5124

The Institute for International and Intercultural Studies/
Jackson
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5057

M.C.S. Director/Jackson
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5162

Pharmacy School Admissions
1050 Union University Drive
Jackson, TN 38305-3697
731.661.5979

BOARD OF TRUSTEES

Alphabetically with Year When Terms Expire

Norm Hill, *Germantown, Tennessee* (2012) Chairman
Paul Priddy, *Jackson, Tennessee* (2013) Vice Chairman
James Ross, *Jackson, Tennessee* (2014) Secretary

Mike Adams, *Lexington, Tennessee* (2013)
Trent Bullock, *Paris, Tennessee* (2015)
Trent Butler, *Jackson, Tennessee* (2014)
Bob Campbell, *Jackson, Tennessee* (2013)
Lynn Edmonson, *Jackson, Tennessee* (2013)
James Farmer, *Paris, Tennessee* (2013)
Craig Fitzhugh, *Ripley, Tennessee* (2015)
Gil Fletcher, *Humboldt, Tennessee* (2015)
Polk Glover, *Obion, Tennessee* (2014)
Ramona Mercer, *Jackson, Tennessee* (2013)
Tommy Moore, *Dresden, Tennessee* (2013)
Frank Page, *Nashville, Tennessee* (2015)
Brian Palmieri, *Swansea, South Carolina* (2014)
Jeff Perkins, *Greenfield, Tennessee* (2014)
Thom Rainer, *Nashville, Tennessee* (2013)

Lisa Rogers, *Jackson, Tennessee* (2015)
Linda Shoaf, *Horn Lake, Mississippi* (2013)
Harry Smith, *Germantown, Tennessee* (2013)
Catherine Via, *Bells, Tennessee* (2014)
Patti Waggoner, *Nashville, Tennessee* (2013)
Fred Ward, *Huntingdon, Tennessee* (2014)
Chad Wilson, *Jackson, Tennessee* (2014)
John Woods, *Jackson, Tennessee* (2014)

Trustees Emeritus

Bill Adcock, *Newbern, Tennessee*
John Drinnon, *Germantown, Tennessee*
Shelby Massey, *Collierville, Tennessee*
Brooks McLemore, *Jackson, Tennessee*
John McRee, *Memphis, Tennessee*
Jack Porter, *Greenfield, Tennessee*
Roy White, *Jackson, Tennessee*
Pete Wilson, *Jackson, Tennessee*

() Date of Employment

Office of the President

Administrative Office

David S. Dockery (1996) President and University Professor of Christian Thought and Tradition. B.S., University of Alabama at Birmingham; M.Div., Grace Theological Seminary; M.Div., Southwestern Baptist Theological Seminary; M.A., Texas Christian University; Ph.D., University of Texas at Arlington; Additional study, Drew University.

Cindy Meredith (1996) Executive Assistant to the President.

Melanie Rickman (1998) Executive Secretary to the President.

Spiritual Life / Campus Ministries

Gregory A. Thornbury (1999) Vice President for Spiritual Life, Dean of the School of Theology and Missions and Associate Professor of Philosophy. B.A., Messiah College; M.Div. and Ph.D., Southern Baptist Theological Seminary; Additional study, Oxford University.

Taylor Worley (2008) Associate Dean for Spiritual Life and Assistant Professor of Christian Thought and Tradition. B.A., Union University; M.Div., The Southern Baptist Theological Seminary; Ph.D., University of St. Andrews.

Julie Bradfield (2005) Director of Student Mobilization.

David Carothers (2009) Assistant Director of Student Mobilization. B.S.W. and M.C.S., Union University.

Keely Hart (2012) Director of Discipleship. B.A., Union University.

Elizabeth Ward (2011) Office Coordinator, Campus Ministries.

Lee Wilson (2008) Director of Discipleship.

Office of the Provost

Administrative Office

Carla D. Sanderson (1982) Provost and Executive Vice President for Strategic Initiatives and Professor of Nursing. Diploma, Baptist Memorial Hospital School of Nursing; B.S.N., Union University; M.S.N., University of Tennessee Health Sciences Center; Ph.D., University of Florida.

Cynthia Powell Jayne (1976) Associate Provost for International and Intercultural Studies and University Professor of Language. B.A., Mississippi College; M.A. and Ph.D., Louisiana State University; Additional study, Vanderbilt University, University of Kentucky and The Summer Institute of Intercultural Communication.

Jimmy H. Davis (1978). Vice President for Institutional Research and Hammons Professor of Chemistry. B.S., Union University; Ph.D., University of Illinois; Additional study, University of Florida, Oak Ridge Associated Universities, Argonne National Laboratory, Harvard University, and Oxford University (England).

Randall W. Phillips (2004) Director of Research and Associate Professor of Family Studies. B.S., Union University; M.A., Phillips Graduate Institute; Ph.D., Southern Illinois University-Carbondale.

Camille Searcy (1993) Assistant Director of Institutional Effectiveness and Research. B.S., Lane College; M.Ed., University of Memphis; Ph.D., Southern Illinois University.

Nancy Flack Thomas (2008) Associate Director, Center for Faculty Development. B.A., Cleveland State University; M.A., Ohio State University.

Suzanne Barham (1987) Project Coordinator, Office of the Provost. B.S., Union University.

Ryan D. Griffin (2011) Staff Assistant and Travel Coordinator. B.A., Union University.

Lesley Guilaran (2010) Special Programs Academic Liaison.

Aura Opris (2010) Program Coordinator—Institute for International and Intercultural Studies. M.A.I.S., Union University.

Vickie Yancey (2010) Administrative Assistant to the Provost and Executive Vice President. B.S.O.L., Union University.

Academic Center

Anita Todd (2000) Associate Registrar. A.S., Jackson State Community College; B.S. and M.A.Ed., Union University.

Susan H. Hopper (1989) Director, Office of Academic Advocacy. B.S., Union University; M.A.T., University of Memphis; Additional study, University of Memphis.

Sam Myatt (1987) Assistant Registrar and Director of Academic Services for the Department of Continuing Studies and Professor of Education. B.S., Lambuth University; M.Ed. and Ed.D., University of Memphis.

Nita Maxcy Pearce (2007) Assistant Registrar. B.B.A., University of Mississippi; M.B.A., University of Tennessee, Martin.

Alice Farrar (1997) Assistant to the Registrar. A.S., Jackson State Community College.

Sandy Rich (1984-2003, 2009) Academic Center Service Coordinator. B.S., Union University.

Judy Thomas (2002) Academic Records. B.A., Union University.

Information Technology

James R. Avery, Jr. (2010) Associate Vice President for Information Technology.

John David Barham (1984) Director of Portal Services. B.S., Union University; M.S., Georgia Institute of Technology.

Karen McWherter (1981) Director of Enterprise Information Systems. B.S., Union University.

Michael Hale (2001) Director of Client Service and Support.

Donald Dean (2008) Director of Infrastructure Support Services.

Leland Lyerla (2006) Coordinator of Instructional Technology and Campus Media. B.S., Southern Illinois University.

Robin Navel (2000) eLearning Instruction Designer. B.S.E., and M.Ed., University of Memphis.

Curt Parish (1992) Senior Network Engineer. B.S., Union University.

Morris George (2007) PC Support Specialist.

Chris Johnson (2002) PC Support Specialist—PC Labs Coordinator. B.A., Union University.

Connie Magers (1981) Systems Analyst. B.S., Union University.

J. Richard Oliver (2010) Client Support Technician.

Deana Peoples (2008) Office Supervisor.

David Porter (1986) Data Administrator. B.S., and M.B.A., Union University.

Brad Seaton (1999) System Administrator. B.S., Union University.

Josh Simmons (2005) Media Support Specialist. B.A., Union University.

Michael Smith (2001) Systems Analyst. B.S., University of North Alabama-Florence.

Tabitha Washburn (2004) Instruction Support and LMS Administrator.

Nathaniel Webb (2010) Instructional Technology Specialist.

Office of the Senior Vice President for Student Services and Dean of Students

Kimberly C. Thornbury (1999) Senior Vice President for Student Services and Dean of Students. B.A., Messiah College; M.A., University of Louisville; Ph.D. Regent University.

Bryan Carrier (2008) Assistant Dean of Students and Chief Judicial Officer. B.A., MidAmerica Nazarene; M.Ed., Azusa Pacific University.

Jacqueline Taylor (2000) Assistant Dean of Students and Director of Vocatio Center for Life Calling and Career. B.A. and M.A.Ed., Union University.

Jason Castles (2007) Assistant Dean of Students and Director, Student Leadership and Engagement. B.S.B.A., Union University; M.Ed., University of South Florida; Ed.D., Union University.

Tina Netland (2008) Administrative Assistant. B.A., Biola University.

Brittany Denson (2012). Student Life Secretary. B.S., Union University.

Barefoots Joe Coffee House

Joy Moore (2007) Director of Barefoots Joe. B.A., University of Arkansas; M.A., Denver Seminary; M.F.A., Seattle Pacific University.

Campus Reservations / Chapel Facilitation

Phyllis Davenport (1984) Coordinator of Campus Events/Chapel Facilitator.

Counseling Services

Paul Deschenes (2000) Director of Counseling Services and Associate Professor of Psychology. B.A., University of Florida; Psy.D., Rosemead School of Psychology.

Tamarin Huelin (2010) Counselor. B.A., University of North Carolina—Chapel Hill; M.S., Georgia State University; Diploma in Christian Counseling, Richmond University; L.P.C.

Disability Services

Jonathan Abernathy (2011) Director, Office for Disability Services. B.S.B.A., Union University. M.S.Ed., Baylor University.

Health Services

Paul Mayer (2005) Director of Health Services. A.D.N., R.N., Prairie State College; B.S.Ed., Lambuth University; B.S.N., M.S.N., F.N.P., Union University.

Sheryl Wren (2007) Clinical Assistant and Medical Records Coordinator. B.B.A., University of Tennessee at Martin.

Hundley Center for Academic Enrichment

Bethany Morse (2008) Director of the Hundley Center for Academic Enrichment. B.A., Union University.

Rachel Vo Marshall (2009) Staff Assistant. B.A., Union University.

Residence Life

Ken Litscher (2009) Director of Residence Life. B.A., Trinity Christian College.

Ashley Jackson (2007) Residence Director—Women's Quads. B.A. and M.A.Ed., Union University.

Kayla McKinney (2012) Assistant Residence Director, Hope Quad.

Ben Bredow (2012) Residence Director, Men's Quads. B.S., Union University; M.Div., Th.M., Southern Seminary.

Elle Simmons (2011) Residence Director—Heritage Complex. B.A., Baylor University.

Chanel Watson (2011) Residence Life Secretary. B.S.B.A., Union University.

Safety and Security

Carson Hawkins (2010) Director of Safety and Security. B.S.B.A., Indiana Wesleyan University.

Joseph Hale (2010) Assistant Director of Safety & Security/VIP Detail. A.A., Community College Air Force.

Adam Panisiak (2010) First Shift Supervisor. A.A., Boyce College.

Nick Rickman (2010) Second Shift Supervisor. B.A., Union University.

Thomas Irwin (2011) Third Shift Supervisor. B.A., Union University.

Melissa Hopper (2002) Secretary. B.S.O.L., Union University.

Student Leadership and Engagement

Jason Castles (2007) Assistant Dean of Students and Director, Student Leadership and Engagement. B.S.B.A., Union University; M.Ed., University of South Florida; Ed.D., Union University.

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Vocatio Center for Life Calling and Career

Jacqueline Taylor (2000) Assistant Dean of Students and Director of Vocatio Center for Life Calling and Career. B.A. and M.A.Ed., Union University.

Reneé Jones (2002) Assistant Director of Recruitment and Information Technology. B.S. and M.B.A., Union University.

Matthew Marshall (2009) Director of Minority Student Success. B.A., Union University.

Wellness Services

Blake Pennington (2009) Director of Wellness Services. B.S.B.A., Union University.

Toby Brown (2011) Assistant Director of Wellness Services, Intramural Coordinator, and Centrifuge Director. B.B.A., University of Central Arkansas.

Germantown Campus

Frank Anderson (2010) Director of the A.Div. Program – Germantown. B.B.A., University of Memphis; M.Div. and Ph.D., Mid-America Baptist Theological Seminary.

C. Steven Arendall (1990) Director, M.B.A. Germantown and Professor of Management. B.B.A. and M.B.A., University of Memphis; Ph.D., University of Tennessee, Knoxville.

Michelle Brown (2006) Secretary/Receptionist, Stephen Olford Center.

Kimberly Campbell (2007) Receptionist/Financial Aid.

Erica Cole (2008) Library and Technology Assistant. B.S.B.A., University of Tennessee at Martin.

William T. Craig (2008) Operations Assistant, Stephen Olford Center.

Kendall Easley (2003) Director of the Stephen Olford Center and Professor of Biblical Studies. B.A., John Brown University; M.Div., Trinity Evangelical Divinity School; Ph.D., Southwestern Baptist Theological Seminary.

James Ellis (2007) Director, Continuing Studies. B.A., Cornerstone University; M.Div., Grand Rapids Theological Seminary; Ph.D., Regent University.

Angela Franklin (2011) Program Coordinator/Academic Secretary, Continuing Studies.

Wendy Glass (2008) Coordinator, Adult Studies, Nursing.

Jennifer Grove (1999) Assistant Dean of Education, Associate Professor of Education and Director of the M.A.Ed., Ed.S., and Ed.D., Germantown. B.S. and M.Ed., Mississippi State University; Ed.D., University of Memphis.

Darla Hall (2010) Coordinator, M.A.Ed. Program—Germantown. B.S.B.A., Trevecca University.

Lindy Hannah (1997-2004, 2011) Assistant Registrar—Olford Center and Coordinator, Social Work Programs—Olford Center. A.A., Freed-Hardeman University; B.P.S., University of Memphis.

Shirley Sykes Harris (2005) Associate Professor of Library Services. B.S.E., University of Memphis; M.L.S., Texas Woman's University.

Teresa Hataway (2005) Assistant Registrar. B.B.A., University of Memphis.

Roberta Hoppe (2008) Director of Operations, Stephen Olford Center.

Mykle Johnson (2006) Administrative Assistant to the Vice President for Regional Campuses. B.A., Union University.

Debra Martin (2009) Coordinator, M.Ed. and M.U.Ed., and Secretary to Graduate Programs—Germantown.

Stephen Marvin (2007) Director of M.Ed., Germantown and Assistant Professor of Education. B.A., Fresno Pacific University; M.Ed., Harding University; Ed.D., University of Arkansas.

Shuna L. Mason (2010) Program Director, B.S.W.—Germantown/Olford Center and Assistant Professor of Social Work. B.A., Hendrix College; M.L.S.P. and M.S.S., Bryn Mawr College.

Terri Richmond (2004) Coordinator, M.Ed., Ed.S., and Ed.D. Programs—Germantown Campus.

Robin Scott (2010) Director of the M.U.Ed.—Germantown and Associate Professor of Education. B.S., Butler University; M.S., Indiana University-Purdue University at Indianapolis; Ph.D., Ball State University.

Michelle Sherrill (2011) Field Director and Assistant Professor of Social Work. B.S.W. and M.S.W., Indiana University.

Dayna Street (2007) Coordinator of Marketing and Enrollment, Continuing Education.

JoAnn Tacker (2008) MSN Coordinator. M.S., University of Memphis.

Sue Taylor (1999) Coordinator of Graduate Business Programs.

Ronald Thompson (2008) Property and Technology Coordinator, Stephen Olford Center.

Renee Victory (2008) MBA Recruiter.

Hendersonville Campus

Charles Lea (2008) Executive Director for the Hendersonville Campus and Professor of Educational Leadership. B.S. and M.A., Middle Tennessee State University; Ed.D., Vanderbilt University.

Carren Gallaher (2011) Program Director of M.Ed.—Hendersonville Campus and Assistant Professor. B.A., Lee University; M.A.Ed., Cumberland University; Ed.D., Tennessee State University.

Stephanie Steele (2009) Assistant Professor of Education (Research)—Hendersonville. B.S., Union University; M.Ed., and Ph.D., Vanderbilt University.

Sherry Russell (2008) Assistant Registrar and Coordinator, Graduate Education and Christian Studies—Hendersonville Campus. B.S., Trevecca Nazarene College; M.S., University of Tennessee, Knoxville.

Robin Lawson (2011) Program Coordinator and Administrative Secretary. B.S., Lipscomb University.

Andrew Courtner (2010) Program Coordinator, Department of Continuing Studies—Hendersonville. B.S.B.A., Union University.

Renee Dauer (2010) Director, Continuing Studies—Hendersonville and Assistant Professor, Organizational Leadership. B.S., Ohio University; M.A., Western Kentucky University.

Cathy C. Wright (2011) Coordinator, Undergraduate Nursing – Hendersonville.

Office of the Executive Vice President for Academic Administration

Gene C. Fant, Jr. (2002) Executive Vice President for Academic Administration and Professor of English. B.S., James Madison University; M.A., Old Dominion University; M.Div., New Orleans Baptist Theological Seminary; M.Ed., and Ph.D., University of Southern Mississippi; Additional study, Harvard University.

Suzanne Nadaskay (1997) Administrative Assistant to the Vice President for Academic Administration and the Dean. A.A., Southern Arkansas.

Library Services

Anna Beth Morgan (2009) Director of the Library and Associate Vice President for Academic Resources. B.A., Oklahoma Baptist University; M.L.S., Texas Woman's University; M.S., Southwest Baptist University.

Jeannie Byrd (1995) Associate Professor of Library Services. B.A., Union University; M.A., University of Mississippi; M.S., University of Tennessee.

Margaret Duncan (2006) Circulation Manager. M.A., Idaho State University.

Lori Haney (1987) Administrative Assistant.

Ellen C. Kimbro (2011) Evening Circulation Supervisor.

Jenny Lowery (2003) Associate Professor of Library Services. B.B.A., The University of Kentucky; M.L.S., Indiana University of Purdue University; M.Div., and Ph.D., The Southern Baptist Theological Seminary.

Beth Lynn (1993) Collection Development Coordinator. B.S.O.L., Union University.

Melissa Moore (1992) Public Services Librarian, Team Leader for Public Services, Professor of Library Services. B.A., Wake Forest University; M.L.S., University of Kentucky; Additional Study, Union University.

Stephen Mount (2002) Interlibrary Loan and Reserves Coordinator. B.S.B.A., Union University.

Thomas Parker (2010). Assistant Professor of Library Services and Outreach Librarian. B.A., Rollins College; M.A., Reformed Theological Seminary; M.S., Florida State University.

Mary Platt (1992) Cataloging/Authority Librarian and Associate Professor of Library Services. B.A., Stillman College; M.L.S., University of Alabama.

Anna Dombrowski Poore (2011) Cataloging Associate. M.L.I.S., University of Illinois.

Paul Sorrell (2000) Creative Projects Coordinator. B.S., Union University.

College of Arts and Sciences

Hunter Baker (2010) Acting Dean of the College of Arts and Sciences and Associate Professor of Political Science. B.S., Florida State University; M.P.A., University of Georgia; J.D., University of Houston Law Center; Ph.D., Baylor University.

George Moss (2009) Assistant Dean of Arts and Sciences and Associate Professor of Mathematics. B.S., Auburn University; Ph.D., Virginia Technological University.

William Nettles (2006) Associate Dean of Arts and Sciences, Professor of Physics and Department Chair. B.S., Mississippi College; M.S., and Ph.D., Vanderbilt University

Suzanne Nadaskay (1997) Administrative Assistant to the Vice President for Academic Administration and the Dean. A.A., Southern Arkansas.

Kendra BeDen (2009) Academic Secretary—Honors Community, Gateway, History, and Political Science.

Susan Bolyard (2007) Academic Secretary—Psychology and Business Administration

Sandra K. Currin (2009) Music Secretary.

Angela McDaniel (2005) Academic Secretary—Art. B.A., Union University.

Kiezha Ferrell (2011) Academic Secretary – Biology and Chemistry. B.A., Austin Peay State University.

Christine Rowland (2006) Academic Secretary—Engineering, Physics, Math, and Computer Science.

Jan Shultz (2011) Academic Secretary.

Pam Whitnell (2011) Academic Secretary—Communication Arts. B.S., Middle Tennessee University; M.B.A., Union University.

Giley Wright (2004) Chemistry and Physics Stockroom Coordinator. B.S., Union University.

McAfee School of Business Administration

R. Keith Absher (2004) Dean of the McAfee School of Business Administration and Professor of Marketing. B.A. and M.B.A., Jacksonville State University. M.A.S., University of Alabama-Huntsville; Ph.D., University of Arkansas; Additional study, Harvard University.

William R. Nance, Jr. (2000) Associate Dean of the McAfee School of Business Administration and Associate Professor of Management. B.S., Regis University; M.B.A., Union University; D.B.A., Nova Southeastern University.

C. Steven Arendall (1990) Director, M.B.A. Germantown and Professor of Management. B.B.A. and M.B.A., University of Memphis; Ph.D., University of Tennessee, Knoxville.

Karen C. Miller (1997). Director of Academic Research and Professor of Accounting. B.S.B.A., Freed-Hardeman University; M.Ac., University of Tennessee at Martin; Ph.D., University of Mississippi; C.P.A.

Tom Proctor (1996). Coordinator of Accounting, Director of Accreditation, and Professor of Accounting. B.S., University of Tennessee at Martin; M.B.A., M.S., and Ph.D., University of Memphis; C.M.A.; Additional Study, Marquarie University.

Judy Leforgee (1986) Administrative Assistant to the Dean.

Luanne Powell (1984-87; 1999) M.B.A. and P.P.A. Director. B.A., and M.B.A., Union University.

Susan Bolyard (2007) Secretary.

College of Education and Human Studies

Thomas R. Rosebrough (1996) Executive Dean of the College of Education and Human Studies and University Professor of Education. B.A., M.A., and Ph.D., Ohio State University.

Janet Furness (2008) Associate Dean of Social Work, Associate Professor, and Director of the Master of Social Work Program. B.S., Philadelphia Biblical University; M.S.W., Rutgers, the State University, Ed.D. Candidate, University of Rochester.

Ann Singleton (1985) Associate Dean of Education and Professor of Special Education. B.S., Union University; M.Ed. and Ed.D., University of Memphis.

Jennifer Grove (1999). Assistant Dean of Education, Associate Professor of Education and Director of the M.A.Ed., Ed.S., and Ed.D., Germantown. B.S. and M.Ed., Mississippi State University; Ed.D., University of Memphis.

Dottie Myatt (1994) Assistant Dean for Teacher Education and Accreditation and Assistant Professor of Elementary Education. B.S., Lambuth University; M.Ed., Union University; Ed.D., University of Memphis.

Shuna L. Mason (2010). Program Director, B.S.W.—Germantown/Olford Center and Assistant Professor of Social Work. B.A., Hendrix College; M.L.S.P. and M.S.S., Bryn Mawr College.

Helen Fowler (1992) Assistant to the Dean. B.S., Union University; M.A.Ed., Union University.

Beverly Absher (2004). Department Chair—Continuing Studies, Director of LAUNCH Program, and Associate Professor of Educational Leadership. B.S. and M.B.A., University of North Alabama; Ed.D., Union University.

Pamela J. Cronin (2009) Secretary, Continuing Studies.

Carroll Griffin (1982) Director of Marketing and Enrollment—Continuing Studies. B.S. and M.Ed., Union University.

Darla Hall (2010) Coordinator, M.A.Ed. Program, Germantown.

Marcia Joyner (2011) Secretary, College of Education and Human Studies.

Kim McNeil (2008) Coordinator, MSW Program, Social Work.

Brenda Morris (2009) Assistant Licensing Officer—Teacher Education.

Cindy Shirley (1998) Director of Credit for Prior Learning and Testing. B.S., and M.A., Trevecca Nazarene University.

Melinda Stewart (2007) Coordinator of Continuing Studies—Jackson.

Patti Todd (1996) Program Coordinator—Teacher Education Program and Secretary, School of Education. B.S.O.L., Union University.

Christy Wyatt (1998) Coordinator, Graduate Studies in Education.

School of Nursing

Timothy Smith (2005) Dean of the School of Nursing and Professor of Nursing. Diploma, Baptist College for the Health Sciences; B.S.N., University of Memphis; Diploma in Anesthesia, University of Tennessee, Knoxville Graduate School of Medicine; M.S.N. and Ph.D., University of Tennessee Health Sciences Center.

Elsie Cressman (1998) Coordinator of Nurse Anesthesia Track.

Rita Croom (2010) Director of Business Development and Marketing for Center of Excellence in Health Care Practice. B.S.O.L., Union University.

Charlotte Harris (2007) Administrative Assistant.

Paula Karnes (2003) Coordinator, Undergraduate Nursing Program. B.S., University of Tennessee at Martin.

Sherrie Turner (2010) Simulation Specialist.

Wendy Williams (2010) Nursing Admissions Assistant.

School of Pharmacy

Sheila Mitchell (2007). Dean of the School of Pharmacy. B.S. and Pharm.D., University of Tennessee Health Science Center.

George DeMaagd (2008) Associate Dean of Academic Administration and Professor of Pharmacy. B.S., Western Michigan University; Pharm.D., University of Michigan.

Kim Madewell Jones (2007). Assistant Dean of Student Services and Assistant Professor of Pharmacy. B.S., Middle Tennessee State University; Pharm.D., University of Tennessee.

David Kuhl (2008) Baptist Memorial Health Care Professor of Pharmacy. B.S., Kearney State College; Pharm.D., University of Nebraska Medical Center.

Mark Stephens (2007) Director of Experiential Education and Associate Professor of Pharmacy. B.S. and Pharm.D., University of Tennessee.

Rita Conaway (2011) Administrative Assistant to the Dean.

Aven Humphreys (2010) Director of Pharmacy Outreach. B.A., Harding University.

Laura Beth Ladymon (2008) Experiential Education Coordinator.

Kristina Martin (2010) Pharmacy Admissions Coordinator. B.S., Murray State University.

School of Theology and Missions

Gregory A. Thornbury (1999) Dean of the School of Theology and Missions, Vice President for Spiritual Life and Professor of Philosophy. B.A., Messiah College; M.Div. and Ph.D., Southern Baptist Theological Seminary; Additional study, Oxford University.

James A. Patterson (1999) Associate Dean of the School of Theology and Missions and University Professor of Christian Thought and Tradition. B.A., Rutgers University; M.Div., Gordon-Conwell Theological Seminary; Ph.D., Princeton Theological Seminary.

Taylor Worley (2008) Associate Dean for Spiritual Life and Assistant Professor of Christian Thought and Tradition. B.A., Union University; M.Div., The Southern Baptist Theological Seminary; Ph.D., University of St. Andrews.

Brian Denker (2009) Assistant to the Director, R.C. Ryan Center. B.A., Union University.

Christy Young (2006) Administrative Assistant to the School of Theology and Missions and Coordinator of Special Programs. B.S.O.L. and M.B.A., Union University.

Marianna Dusenberry (2009) Secretary. B.S., Meredith College.

Office of University Relations

Administrative Office

Jerry N. Tidwell (2007) Senior Vice President for University Relations and Athletics, Assistant Professor of Pastoral Ministry, and Director of the R.G. Lee Center. B.S., University of North Alabama; M.Div. and D.Min., Southwestern Baptist Theological Seminary.

Larry Vaughan (2007) Assistant to the Senior Vice President for University Relations.

Sally Blanton (2008) Staff Assistant and Receptionist.

Jan Boud (2011) Assistant to the President for Constituent Relations. B.M., University of Louisville.

Joshua Clarke (2007) Director of Alumni Relations. B.A., Union University.

Kristen Ferrell (2011) Special Events Assistant. B.S., Union University.

Belinda Moss (1993) Special Events Coordinator—Carl Grant Center/University Relations.

Landon Preston (2008) Director of Donor Relations. B.S.B.A., Union University.

Rachel Peterson (2010) Administrative Assistant for University Relations.

Office of Development

Douglas Walker, III (2009) Associate Vice President for Advancement and Executive Director for the University Foundation. Ph.D., Southern Baptist Theological Seminary.

David Blackstock (1973) Advancement Officer. B.S., Union University; M.Ed., University of Memphis; Ed.D., University of Southern Mississippi.

Katrina Bradfield (1984) Director of Development Services. B.S., Union University.

Teresa Rosson (2008) Assistant Director of Development.

Stephanie Kesner (2007) Gifts Processing Coordinator.

Office of University Communications

Mark Kahler (2004). Associate Vice President for University Communications. B.A. with honors, Samford University; M.S.J., Northwestern University.

Morris Abernathy (2004) University Photographer. B.A., University of Central Florida; M.A.Ed. and M.A.Comm., Southwestern Baptist Theological Seminary.

Tim Ellsworth (2004) Director of News and Media Relations. B.A., Union University; M.S., Southern Illinois University.

J. Michael Garrett (2011) Editor, Union University Publishing Group. B.A., Union University; M.Div., Samford University; M.L.I.S., University of Alabama.

Scott Lancaster (2007) Multimedia Producer. B.A., Union University.

Kristina McMurry (2010) Web Design Specialist. B.S., Union University.

Debra Rhodes (2012) Office Coordinator. B.M., University of Alabama; M.M., University of South Carolina.

Michael Camden Tracy (1995) Web Development Agent. B.S., Union University; M.S., Florida State University.

Mary Dorris Watson (2007) Director of University Marketing. B.A., Murray State University.

Creative Services

Scott Heit (2009) Director of Creative Services. B.F.A., Memphis College of Art.

Sarah Belcher (2006) Graphic Design Specialist. B.A., Union University.

University Services

Wanda Calvert (1992) Director of Production Services.

Veronica Perry (2006) Production Specialist.

Timothy Moss (2006) Production Specialist.

Linda Taylor (1994) Director of Mailing Services.

Vanessa Jackson (1999) Mailing Services Specialist.

Athletics

Tommy Sadler (1986) Director of Athletics. B.A., Union University; M.Ed., University of Memphis.

Steven Aldridge (2000) Sports Information Director. B.S. and M.A.Ed., Union University.

Teresa Thomas (2002) Secretary to the Director of Athletics.

Gary Williams (1998) Compliance Officer. B.S., Union University; M.R.E., Southwestern Baptist Theological Seminary.

Katie Woodruff (2001-2006, 2008) Senior Woman Administrator and Life in the Balance Coach. B.S., John Brown University; M.S., University of Arkansas.

Office of Church Relations

Todd Brady (1996-2007, 2011) Vice President for Church Relations. B.S., Union University; M.Div., Southwestern Baptist Theological Seminary; D.Min., Southern Baptist Theological Seminary.

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Joshua Moore (2010) Director of Church Relations. B.A., Union University; M.Div., Southern Baptist Theological Seminary.

Kathy Southall (1989) Director of Intercessory Prayer and Encouragement. B.A., Mississippi College; M.R.E., Southwestern Theological Seminary.

Office of Enrollment Services

Administrative Office

Rich Grimm (2004) Senior Vice President for Enrollment Services. B.A., Palm Beach Atlantic College; M.Div., Southwestern Baptist Theological Seminary.

Carol Courtner (2004) Administrative Assistant to the Senior Vice President for Enrollment Services.

Office of Undergraduate Admissions

Robert Graves (1989) Assistant Vice President for Undergraduate Admissions. B.S. and M.Ed., Union University.

John Windham (1999) Director of Recruiting Operations. B.A. and M.B.A., Union University.

Amy Austin (2010) Enrollment Counselor. B.A., Union University.

Sheri Barden (1997) Enrollment Systems Project Manager and Data Coordinator.

William Brantley (2011) Enrollment Counselor. B.A., Union University.

Courtney Clarke (2010) Special Events/Visit Coordinator. B.A., Union University.

Ericka King (2012) Enrollment Counselor. B.A., Union University.

Jessica LaGambina (2011) Enrollment Counselor. M.Ed., University of Central Florida.

Julie Mitchell (2009) Senior Enrollment Counselor. B.S.W., Union University.

Patricia Porter (2006) Transfer Coordinator. B.S., Lambuth University.

Suzzie Smith (1989) Assistant Data Coordinator.

Audra Teague (2011) Secretary/Receptionist. B.S., Union University.

Angela Williams (2011) Data Processing Assistant.

Office of Student Financial Planning

John Brandt (2005) Assistant Vice President for Student Financial Planning. B.S.B.A., Truman State University; M.B.A., William Woods University.

Bobbie Bishop (1990) Financial Aid Officer/Loan Coordinator.

Janna Coleman (2012) Secretary/Receptionist. B.S., Union University; M.S., University of Memphis.

Martha Floyd (2009) Secretary/Receptionist.

Heather Higdon (2007) Staff Assistant/Grant Coordinator. B.S., Union University.

Hannah Maxwell (2011) Staff Assistant. B.S., Union University.

Betty Pennington (2003) Staff Assistant for Student Employment and Undergraduate Loans.

Kathy Tracy (2012) Financial Aid Specialist/Veterans Certifying Official. A.S., Sullivan University.

Office of Academic Support

Sherry Tignor (1996) Director of Academic Support. B.S., Union University; M.Ed., University of Memphis; Additional study, University of Memphis.

Julie Watson (2011) Academic Support Counselor.

Union Station

Nikki Castles (2001) Union Station Coordinator. B.S.B.A., Union University.

Jan Shultz (2011) Union Station Associate.

Debbie Wheatley (1992) Associate.

Office of Business Services

Administrative Office

Gary L. Carter (1991) Senior Vice President for Business Services. B.S., Union University; C.P.A., State of Tennessee.

Cheryl Mercker (2004) Administrative Assistant to the Senior Vice President for Business Services.

Business Office

Robert Louis Simpson (1983) Associate Vice President for Business Services. B.S., Union University; M.B.A., University of Memphis; C.P.A., State of Tennessee.

John Carbonell, IV (2006) Assistant Vice President for Human Resources. B.A., Florida State University; M.B.A., Union University.

Jennifer Howell (2003) Human Resources Manager. B.S. and M.B.A., Union University.

Ramona Bell (1998) Payroll and Benefits Manager.

Kathy P. Camp (2011) Accountant. B.S.B.A., Union University.

Shari Douglas (1983) General Ledger Bookkeeper, Accounts Receivable Clerk. A.S., Jackson State Community College.

Tina Giddens (1985) Student Accounts Bookkeeper. B.S., Union University.

Diane Lambert (1998) Accounts Payable.

Karen Miller (1988) FACTS and Adult Accounts Bookkeeper.

Facilities Management

David McBride (1995) Director of Facilities.

Mary Brown (2004) Secretary.

Emeritus Professors

James Alex Baggett (1977) Dean Emeritus, College of Arts and Sciences and Professor Emeritus of History.

Linda Feeley Barber (1975) Assistant Professor Emeritus of Nursing.

Charles Baldwin (1970–81, 1988) O.P. and Evalyn Hammons University Professor Emeritus of Pre-Medical Studies.

Hyran E. Barefoot (1957) Chancellor Emeritus and Professor Emeritus of Theology and Missions.

Louise Bentley (1981) Professor Emeritus of English.

Joseph Blass (1959) Professor Emeritus of Music.

Bill G. Bouchillon (1969) Professor Emeritus of Psychology.

Ron Boud (1996) Professor Emeritus of Music and University Organist.

Mable Pauline Bridger (1965) Professor Emeritus of Nursing.

George E. Clark (1962) Professor Emeritus of English.

Chereyl Crossett (1992) Assistant Professor Emeritus of Biology Laboratories.

William Hedspeth (1982) Professor Emeritus of Education.

David J. Irby (1965) Professor Emeritus of Theology and Missions.

Carol Leslie (1985) Associate Professor Emeritus of Chemistry.

Howard Newell (1982) University Professor Emeritus of Business Administration.

Ernest R. Pinson (1969) University Professor Emeritus of English.

Curtiss E. Scott (1965) Professor Emeritus of Business Administration.

Regina Saffel (1977) Associate Professor Emeritus of Nursing.

Marilyn Smothers (1969) Assistant Professor Emeritus of English.

Benny Tucker (1989) Professor Emeritus of Education.

Joseph Tucker (1969) Professor Emeritus of Mathematics.

Sandra Williams (1983) Associate Professor Emeritus of Physical Education, Wellness and Sport.

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DIRECTORY OF CORRESPONDENCE

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- 661.5009 **Admission Requirements**—Director of Undergraduate Admissions
- 661.5139 **Alumni Interests**—Executive Director of Alumni Services
- 661.5000 **Application Forms**—Director of Undergraduate Admissions
- 661.5090 **Campus Activities and Recreation**—Vice President for Student Services and Dean of Students
- 661.5204 **Financial or Business Matters**—Senior Vice President for Business and Financial Services
- 668.1818 **General Information**—Union Station
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- 661.5062 **Ministry Activities and Spiritual Emphases**—Minister to the University
- 661.5204 **Payment Plans**—Senior Vice President for Business and Financial Services
- 661.5000 **Prospective Student Information and Literature**—Director of Undergraduate Admissions
- 661.5040 **Records and Transcripts**—Registrar
- 661.5433 **Residence Life**—Director of Residence Life
- 661.5015 **Scholarships**—Director of Financial Planning
- 661.5407 **Student Employment**—Director of Financial Planning
- 661.5040 **Summer School**—Registrar

Visitors to the campus are welcome. Offices of the University are open Monday through Friday from 8:00 to 4:30. Appointments for other hours may be arranged.

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