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UNDERGRADUATE CATALOG 2010-11

NOTE: The information contained in this catalog is accurate as of June 1, 2010. The requirements, rules and provisions stated in this catalog and other publications of Lipscomb University are subject to change or modification at any time without notice. If changes are made to this catalog prior to its next reprinting, such changes will be made available in the office of the provost.

LIPSCOMB AT-A-GLANCE



Students and faculty gather in the Ezell Center.

PROGRAMS OF STUDY

Lipscomb University offers an intellectually challenging academic program with a commitment to continual spiritual formation while engaging the world. Once again the university surpassed the 3,000 mark in enrollment for another record enrollment. In addition to master's and doctoral degrees, Lipscomb offers the following undergraduate degrees: Bachelor of Arts, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music in Music Education, Bachelor of Science, Bachelor of Science in Nursing, and the Bachelor of Social Work.

NATIONAL HONORS AND AWARDS

Lipscomb University was named a Top 25 university and selected as one of only 16 "top up-and-coming" master's universities in *U.S. News & World Report's* "2010 America's Best Colleges" guidebook. Peterson's included Lipscomb in its *440 Competitive Colleges for Top Students 2010*.

GREAT LOCATION

Lipscomb's beautiful 65-acre campus is located in the Green Hills area of Nashville, Tennessee, just four miles from downtown. Nashville is one of the nation's most exhilarating cities, and is located within one day's drive of 75 percent of the nation's population.

ENGAGING THE WORLD

The city is our campus and the world is our classroom. An important component of a Lipscomb education is global engagement. Lipscomb offers study opportunities throughout the world. Students also engage in humanitarian service through SALT (service learning) and mission programs.

92% PLACEMENT RATE

When students graduate from Lipscomb University, 92 percent of them are placed in jobs or graduate schools within six months, compared to a 78 percent average at similar institutions.

DIVERSE POPULATION

The Lipscomb community is diverse, with a student body that come from 44 states and 24 nations and territories who have a rich diversity of ethnic and religious experiences.

ATHLETICS

The Bison athletics program is a vital part of campus life. Competing in the NCAA Division I as a member of the Atlantic Sun Conference, Lipscomb continues to build on its tradition of athletic success with several teams advancing to the NCAA national tournament.

INTEGRATION OF FAITH & ACADEMICS

Our faculty intentionally integrates Christian faith and practice into the academic curriculum. Lipscomb is a member of the Council for Christian Colleges and Universities.

COMMUNITY SERVICE LEADER

The Corporation for National and Community Service recently named Lipscomb to the President's Higher Education Community Service Honor Roll for exemplary service efforts and service to disadvantaged youth.

GOING GREEN

Lipscomb is leading the way for universities in Tennessee by using geothermal technology and other sustainability practices. Lipscomb University was selected as one of the country's most environmentally-responsible colleges to be included in the *The 2010 Princeton Review's Guide to 286 Green Colleges*.

CALENDAR FOR THE YEARS 2010-11; 2011-12*

Fall Semester, 2010

| | |
|---|-----------------------|
| Residence Halls Open | |
| Freshmen | August 18 |
| Upperclassmen | August 21 |
| Classes begin | August 23 |
| Adult Degree Term I Classes Begin | August 23 |
| Last day to add classes | August 29 |
| Labor Day Holiday | September 6 |
| Last day to drop classes with partial refund | September 10 |
| Last day to drop Adult Degree Term I Classes | September 27 |
| Fall Break | October 18 |
| Adult Degree Term II Classes Begin | October 22 |
| Labor Day Holiday | October 29 |
| Last day to drop Adult Degree Term II Classes | November 20 |
| Thanksgiving Holidays | November 22-26 |
| Study Day | December 9 |
| Final Examinations | December 10-16 |
| Commencement | December 18 |
| Christmas Holidays | December 20-January 9 |

Spring Semester, 2011

| | |
|---|--------------------|
| Wintermester | January 3-7 |
| Residence Halls Open | January 9 |
| Adult Degree Term I Classes Begin | January 10 |
| Classes begin | January 10 |
| Last day to add classes | January 17 |
| Martin Luther King, Jr. Day Holiday | January 17 |
| Last day to drop classes with partial refund | January 28 |
| Last day to drop Adult Degree Term I Classes | February 12 |
| Adult Degree Term II Classes Begin | March 7 |
| Spring Vacation | March 14-18 |
| Last day to drop classes-Full Term | March 25 |
| Singarama | March 31 - April 2 |
| Last day to drop Adult Degree Term II Classes | April 13 |
| Study Day | April 28 |
| Final Examinations | April 29-May 5 |
| Commencement | May 7 |

Summer Session, 2011

| | |
|---|---------|
| Maymester registration and classes begin | May 9 |
| Last day to drop Maymester classes w/partial refund | May 9 |
| Maymester Final Examinations | May 27 |
| Memorial Day Holiday | May 30 |
| Summer Session & Junemester Classes begin | May 31 |
| Last day to drop Junemester classes w/partial refund | May 31 |
| Residence Halls Open | May 31 |
| Last day to add classes (first term) | June 2 |
| Last day to add classes (full session) | June 6 |
| Last day to drop classes w/partial refund (first term) | June 6 |
| Last day to drop classes with partial refund (full session) | June 10 |
| Last day to drop classes (first term) | June 17 |
| Junemester Final Examinations | June 24 |
| First Term Final Examinations | June 30 |
| Summer Celebration | TBA |
| Holiday | July 4 |
| Julymester & Second Term classes begin | July 5 |
| Last day to add classes (second term) | July 7 |
| Last day to drop classes (full session) | July 8 |
| Last day to drop classes with partial refund (second term) | July 13 |
| Last day to drop classes (second term) | July 19 |
| Julymester Final Examinations | July 29 |
| Summer Session Final Examinations | Aug. 4 |

Fall Semester, 2011

| | |
|---|-----------------------|
| Residence Halls Open | |
| Freshmen | August 17 |
| Upperclassmen | August 22 |
| Adult Degree Term I Classes Begin | August 22 |
| Classes begin | August 22 |
| Last day to add classes | August 28 |
| Labor Day Holiday | September 5 |
| Last day to drop classes with partial refund | September 9 |
| Last day to drop Adult Degree Term I Classes | September 24 |
| Adult Degree Term II Classes Begin | October 17 |
| Fall Break | October 21 |
| Last day to drop classes-Full Term | October 28 |
| Last day to drop Adult Degree Term II Classes | November 18 |
| Thanksgiving Holidays | November 21-25 |
| Study Day | December 8 |
| Final Examinations | December 9-15 |
| Commencement | December 17 |
| Christmas Holidays | December 19-January 8 |

Spring Semester, 2012

| | |
|---|----------------|
| Wintermester | January 2-6 |
| Residence Halls Open | January 8 |
| Adult Degree Term I Classes Begin | January 9 |
| Classes begin | January 9 |
| Last day to add classes | January 16 |
| Martin Luther King, Jr. Day Holiday | January 16 |
| Last day to drop classes with partial refund | January 27 |
| Last day to drop Adult Degree Term I Classes | February 18 |
| Adult Degree Term II Classes Begin | March 5 |
| Spring Vacation (tentative) | March 19-23 |
| Last day to drop classes-Full Term | March 29 |
| Singarama | TBA |
| Last day to drop Adult Degree Term II Classes | April 14 |
| Study Day | April 26 |
| Final Examinations | April 27-May 3 |
| Commencement | May 5 |

Summer Session, 2012

| | |
|---|---------|
| Maymester registration and classes begin | May 7 |
| Last day to drop Maymester classes w/partial refund | May 7 |
| Memorial Day Holiday | May 28 |
| Maymester Final Examinations | May 29 |
| Residence Halls Open | May 29 |
| Summer Session & Junemester Classes begin | May 29 |
| Last day to drop Junemester classes w/partial refund | May 31 |
| Last day to add classes (first term) | May 31 |
| Last day to add classes (full session) | June 1 |
| Last day to drop classes w/partial refund (first term) | June 4 |
| Last day to drop classes with partial refund (full session) | June 8 |
| Last day to drop classes (first term) | June 15 |
| Junemester Final Examinations | June 21 |
| First Term Final Examinations | June 28 |
| Julymester & Second Term classes begin | July 2 |
| Summer Celebration | TBA |
| Holiday | July 4 |
| Last day to add classes (second term) | July 5 |
| Last day to drop classes (full session) | July 6 |
| Last day to drop classes with partial refund (second term) | July 9 |
| Last day to drop classes (second term) | July 19 |
| Julymester Final Examinations | July 26 |
| Summer Session Final Examinations | Aug. 1 |

2010

| JANUARY '10 | | | | | | | FEBRUARY '10 | | | | | | | MARCH '10 | | | | | | |
|-------------|----|----|----|----|----|----|--------------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 28 | 28 | 29 | 30 | 31 | 28 | 29 | 30 | 31 | 28 | 29 | 30 | 31 | |

2011

| JANUARY '11 | | | | | | | FEBRUARY '11 | | | | | | | MARCH '11 | | | | | | |
|-------------|----|----|----|----|----|----|--------------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 27 | 28 | 27 | 28 | 29 | 30 | 31 | 27 | 28 | 29 | 30 | 31 | | |

2012

| JANUARY '12 | | | | | | | FEBRUARY '12 | | | | | | | MARCH '12 | | | | | | |
|-------------|----|----|----|----|----|----|--------------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
| S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 | 5 | 6 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

*The dates in 2011-2012 are subject to change and should be regarded as tentative projections.

A MESSAGE FROM THE PRESIDENT

I am very pleased that you have chosen Lipscomb University! Lipscomb is a Christian community of scholars dedicated to learning, leading and serving, preparing each student for excellence today, tomorrow and forever.

In that statement are two important considerations. One is that Lipscomb is a Christian community; our world view is informed by Jesus Christ who we believe lived as the incarnation of God on this earth. We hunger for truth, with scripture as the foundation for learning, but we look for truth wherever it may occur in God's creation. We hold confidently to the notion that faith demands excellence, and we look forward to exploring those concepts with you for the next few years.

Also in that statement is the proclamation that Lipscomb is a community of scholars. You will enjoy learning from, and with, highly qualified faculty members who will be personally engaged in your academic program and continue to be learners themselves. Most of our faculty have the highest degrees awarded in their fields of emphasis, and have received those degrees from institutions around the country and the world.

Our focus, however, is on you. Our goal is to equip you for the world as it is today, to prepare you for success in the world as it will exist tomorrow, and motivate you to give of yourself to better the lives of others. You will find friends from among a surprisingly diverse student body that comes from more than 44 states, 24 countries, and a broad range of religious backgrounds and cultures. You will have opportunities to study and serve throughout the community and the world – Nashville is our campus and the world is our classroom.

Today, tomorrow and forever. Those are the three words that should be at the center of your college experience, and I believe you have chosen the best university from which to explore them. Welcome to Lipscomb!



L. Randolph Lowry
President



LIPSCOMB UNIVERSITY

Building on a 120-year heritage of excellence, Lipscomb University offers an intellectually challenging academic program with a commitment to continual spiritual formation while engaging the world. Lipscomb's beautifully landscaped and expanding 65-acre campus located in the Green Hills area of Nashville, Tennessee, provides a welcoming setting for learning and a nurturing environment in which students can develop personally and professionally. Lipscomb's location in Nashville, the government and business center of the state, provides students unique opportunities for engagement, especially in securing top-grade internships and pursuing cultural opportunities. The Lipscomb community itself is diverse, with a student body of over 3000 undergraduate and graduate students representing 44 states and 24 nations and territories and a rich diversity of ethnic and religious experiences.

Lipscomb University offers an academically enriching experience that prepares graduates for success in their chosen professions and careers. The Hughes Center, due to open in fall 2010, will offer cutting-edge facilities that will enhance and expand our programs in art and engineering. Exciting new programs and recent honors have broadened our appeal, enhancing the opportunities for Lipscomb graduates. Lipscomb was not only named a Top 25 university but was also selected as one of only sixteen "top up-and-coming" master's universities in *U.S. News and World Report's* "2010 America's Best Colleges." Lipscomb was also named in Peterson's *440 Competitive Colleges for Top Students 2010*.

One of the strongest indicators of the value of a Lipscomb education is the rate at which our graduates are placed in the job market or accepted by institutions for advanced degrees. When students graduate from Lipscomb University, 92 percent of them are placed in jobs or graduate schools within six months compared to a 78 percent average at similar institutions. Lipscomb's placement rate strongly suggests that Lipscomb University provides an excellent education that is highly desired by employers and greatly respected by other institutions of higher learning.

Putting one's faith into action is a hallmark of a Lipscomb education. The Serving and Learning Together (SALT) program allows students to apply their knowledge and skills to specific service projects. Through this service-learning program, students serve the Nashville community and Middle Tennessee region through organizations such as Faith Family Medical Clinic, Morning Star Sanctuary, the Nashville Rescue Mission and Youth Encouragement Services. Lipscomb University was listed in the 2009 President's Higher Education Community Service Honor Roll that was released in February 2010. This is Lipscomb University's third consecutive year to be listed among schools that show commitment to service-learning initiatives.

Opportunities for global academic learning are available to Lipscomb students through a variety of study abroad programs and mission trips. Lipscomb offers study opportunities in China, Chile, England, Austria, France, Germany, Switzerland, and many other locations. Each year more than 800 of our students, faculty and staff put their faith into action in a variety of humanitarian efforts throughout the world.

Beyond the classroom Lipscomb provides an active program of campus activities. In three years, the Lipscomb campus has been transformed by construction and renovations totaling nearly \$45 million. Our apartment-style residential complex, The Village, and the Bennett Campus Center have greatly enriched campus life. The Bison athletics program is a vital part of campus life. Competing in the NCAA Division I as a member of the Atlantic Sun Conference, Lipscomb University continues to build on our tradition of athletics success as we grow in competition at the highest level. Our women's basketball team, men's baseball, women's softball, and women's volleyball teams have advanced to the NCAA Division I National Tournaments.

Through its on-campus sustainable innovations, including the newly-created Institute for Sustainable Practice, Lipscomb is leading the way for universities in Tennessee. The Burton Health Sciences Building became the first LEED-registered academic building in the state and recently earned the gold-level certification. Lipscomb has three geothermal temperature control systems on campus. These systems reduce greenhouse gas emissions and save an average of 50 percent in energy expenses. Lipscomb was recently awarded the 2009 Governor's Environmental Stewardship Award for its commitment to sustainable practices in higher education. Lipscomb University was also selected as one of the country's most environmentally-responsible colleges to be included in the *The 2010 Princeton Review's Guide to 286 Green Colleges*.

Lipscomb University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, 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 Lipscomb University. For all other questions about Lipscomb, contact Lipscomb University at 615-966-1000 or 800-333-4358.

Mission

Lipscomb University is a private coeducational institution whose principal focus is undergraduate education in the liberal arts and sciences, combined with a number of undergraduate professional and pre-professional fields, masters, and doctoral degree programs. Its primary mission is to integrate Christian faith and practice with academic excellence. This mission is carried out not only in the classroom but also by involvement in numerous services to the church and the larger community.

Objectives

Lipscomb University is committed to promote Christian faith and practice:

- by requiring Bible classes for all students;

- by employing teachers who are firmly committed to the worldview and lifestyle of biblical Christianity;
- by providing specially-designed programs, activities, and worship experiences which strengthen the desire to be faithful, knowledgeable, and mature Christians.

The university is committed to provide excellent educational opportunities through undergraduate and graduate programs:

- by introducing students to great thinkers and ideas of human history;
- by acquainting students with some of the significant accomplishments of humanity as expressed in the arts and sciences;
- by helping students develop an awareness and knowledge of diverse cultures;
- by assisting students in the choice or enhancement of a vocation and by equipping students for honorable professions;
- by fostering a lifestyle of economic responsibility and accountability;
- by empowering students with the ability to think critically and to communicate effectively in writing and in speaking;
- by encouraging students to develop a balanced approach to life in which they will incorporate activities that promote intellectual, physical, psychological, social, and spiritual well-being.

The university is committed to serve the church, the community, and the world:

- by providing opportunities for Christians to participate in events designed to strengthen the church;
- by enhancing awareness of humanitarian needs;
- by serving the immediate community and the world through participation in appropriate service activities;
- by encouraging the development of socially-responsible citizens.

ADMISSION

Lipscomb University admits men and women who demonstrate ability to succeed academically and who possess good moral character. A student desiring to enter must make application and must furnish evidence of intellectual capacity and moral character.

Freshman Students

In general, applicants are expected to have followed a college preparatory course of study in high school. This track includes at least four units of English, two units of mathematics (preferably Algebra I, II), two units of natural sciences, two units of history/social sciences, two units in the same foreign language, and two academic electives (selected from natural sciences, mathematics, foreign languages, or social sciences). Applicants 18 years and older may be admitted with a GED.

We welcome your application and are excited about assisting you in enrolling at Lipscomb. To apply, follow these five steps:

1. Fill out an **application form**. All blanks must be filled in, and the form must be signed by the applicant and the person responsible for payment, if applicable. The application may be mailed before the submission of the high school transcript, references, and the ACT/SAT scores.
2. Send in a \$25 **application fee**. Contact the Admissions Office for details.
3. Submit a **transcript** of high school credits. Students making application during their senior year may submit credits completed through their junior year.
4. Give a **reference form** (educational) to the individual listed on the application
5. Arrange to take the **ACT** or **SAT test** and have the score sent to Lipscomb University. (Our institutional code for the ACT is 3956. The SAT code is 1161.)
6. Arrange a **personal interview**, either in person or over the phone, with the Admissions Office.

If acceptance is granted, three additional items must be submitted: 1) a final high school transcript, 2) a health form, and 3) a Student Consent to Release Academic Information form (FERPA). All records must be filed in the Admissions Office and approved before a student can enroll.

Applicants who present an ACT composite score of 21 or higher (or SAT equivalent), a high school GPA of 2.5 or better, a personal statement on the application, and strong educational and personal references are generally admitted without conditions.

Applicants who do not meet all four criteria will be automatically reviewed, which in some circumstances may require admission through the Transitions Program (see p. 35 for further details) or other conditions. Any student, regardless of acceptance status, who does not score a 20 or higher on the English portion of the ACT (or a 480 or higher on the SAT) is required to take Developmental Seminar. Any student, regardless of acceptance status, who does not score a 21 or higher on the math portion of the ACT (500 or higher on the SAT) is required to take Introductory and/or Intermediate Algebra.

Appeal of an admission decision may be submitted in writing to the Admissions Office.

The university cannot accept the responsibility for a delay in the enrollment of an applicant submitting records later than two weeks prior to registration.

The university reserves the right to reject any applicant at its own discretion. For any reason deemed sufficient, the university may require a medical examination, intelligence test or subject matter examination, and may revise at any time the status given a student on admission. The provisions of this paragraph are subject to Lipscomb University's Nondiscriminatory Policy contained elsewhere in this catalog and will not be used in any way to violate that stated policy.

Homeschooled Students

Lipscomb recognizes the unique nature of homeschooling and welcomes applications from homeschooled graduates. In general, a homeschooled student applying as a first-time freshman should follow the same application procedures as other freshman applicants. In lieu of a high school transcript, a homeschooling record or transcript is required. If an educational reference is not available, a personal reference from a non-family member must be submitted.

Transfer Students

Lipscomb gladly accepts applications for admission from students who have attended other accredited institutions. Transfer students must follow, in general, the first three enrollment steps listed above. All college transcripts are required, as well as high school transcripts and ACT or SAT scores if the student is transferring in with fewer than 60 semester hours. If an applicant is currently enrolled at another institution, a final college transcript will be required to validate admission. In addition, transfer students must be eligible to return to the institution previously attended. Transfer students who are admitted with a GPA below 2.0 will be placed on academic probation. Normally, courses with a grade equivalent to or exceeding a "C" will transfer.

Tennessee Board of Regents Schools. Lipscomb University will accept the general education requirements from Tennessee Board of Regents (TBR) schools as meeting the general education requirements when one of the following exists:

The student has completed all requirements for an AS or AA degree, or

The Student has completed all the TBR general education requirements.

Students who do not meet one of these options will have their general education coursework approved for transfer on a course-by-course comparison.

Transient Students

Admission as a transient student is granted for only one semester. If the student desires to attend Lipscomb after that one semester as a transient student, then he/she must reapply.

A prospective student who has attended or is currently enrolled in another institution and desires to enroll in a course(s) at Lipscomb must:

1. Complete the application.
2. Submit the application fee.
3. Have an official transcript or official letter of good standing sent to Lipscomb from the last institution attended. For a course requiring a prerequisite, an official copy of the student's transcript must be sent to the Admissions Office.
4. If a specific course taken at Lipscomb is to be transferred to the degree-granting institution, permission must be granted from that institution.
5. Submit a health form.

International Students

International students are welcome at Lipscomb. They must file an "International Student Application" and meet the admission requirements of United States citizens. An entrance exam is not required, but the ACT or SAT is strongly recommended. In addition to materials requested of citizen applicants, international students must submit proof of English proficiency if their native language or education is not English. For unconditional admittance, a student must score at or above the following TOEFL scores: 550 on the paper-based test, 80 on the IBT, or 213 on the computer-based test. An overall band score of 6.5 or higher on the IELTS exam will be accepted. Additionally, international students scoring 20 or above on the English portion of the ACT or 480 and above on the SAT will satisfy the proficiency requirement. Completion of the ELS Language Center's highest level (els.edu) is also accepted. Also, students must demonstrate sufficient financial resources for four years of university study.

All applicants whose academic records are from schools, colleges, and universities located outside the United States must provide a course-by-course report from an approved evaluation service. Application for admission will not be considered without having this detailed review on file. Applicants must contact one of the two below listed services and make arrangements for evaluation.

Lisanto Intl.
Foreign International Credential Evaluation
P.O. Box 407
Auburn, AL 36831-0407
Fax: 334-745-0425
E-Mail: lisanoINTL@aol.com
Web: www.lisano-INTL.com

World Educational Services
P.O. Box 01-5060
Miami, FL 33101
Phone: 305-358-6688
Web: www.wes.org

International students are required to pay, in full, for each semester before registering for classes. Also, international students are required to have health insurance to attend Lipscomb. For more information, contact the Office of Admissions by telephone at 615-966-1776 or 877-582-4766, by e-mail at admissions@lipscomb.edu, by visiting international.lipscomb.edu, or by mail at One University Park Drive, Nashville, TN 37204-3951 USA.

Early Admission Students

Superior high school students may be admitted for regular university work. A student applying for early admission must submit an application, transcript, ACT or SAT scores, two references, and a letter of recommendation from the high school principal or counselor. Each request for early admission is considered by the Admissions Office on a case by case basis.

Lipscomb cannot guarantee that credits earned in the early admission program will automatically transfer to any other institution. Each college/university reserves the right to determine transfer credit.

In some cases, students choose to by-pass the senior year of high school and enter college. These students apply in the same way as other prospective first-time freshmen. Three additional items are required: 1) a letter of recommendation from the high school principal or counselor, 2) the high school principal's intention in writing to award the applicant a high school diploma upon completion of the student's first year at Lipscomb, and 3) a personal essay stating the reasons for desiring early admission to Lipscomb.

Dual Enrollment Programs

Lipscomb University has partnered with select high schools in the area to provide college-level coursework on their campuses. We also work with individual students who want to take courses on our campus as a dual-enrolled student. **Students interested in participating in dual enrollment courses must meet the admission requirements of the university and be admitted to the university prior to the start of classes the semester in which they plan to enroll in dual enrollment courses.** To be considered for admission into the dual enrollment program, the student must submit the following items: an application for admission, ACT/SAT scores, an official high school transcript, and a reference from the school's guidance counselor. (Home-schooled students may provide a reference from an educational source other than a parent.)

In addition to meeting the university admission requirements, the student must also meet all course prerequisites such as specific sub-scores on the math and English portions of the ACT/SAT, to be allowed to register for those courses. Exceptions will not be made for students who do not meet course prerequisites.

The student is also responsible for submitting the dual enrollment grant application by the state-mandated deadline (September 1 for the fall semester, February 1 for the spring semester, and May 1 for the summer term). **Students who do not submit the grant application by the specified deadline are responsible for payment in full of the charges incurred by participation in the dual enrollment program.**

Additional information about the Dual Enrollment program, including approved class lists for each semester, can be found at <http://dualenrollment.lipscomb.edu>.

Services for Students with Disabilities

Students with disabilities (learning, physical, and/or psychological) should contact the Director of Disability Services in the Counseling Center at 615-966-1781. This office attempts to coordinate services for students by collecting documentation of a disabling condition and by advising students, parents, faculty, and staff on reasonable accommodations made available by the university.

Notice of Nondiscriminatory Policy

Lipscomb University is a private Christian university open to any qualified student without regard to race, religion, sex, age, color, national or ethnic origin, or disability. Lipscomb University complies with all applicable federal and state nondiscrimination laws, and does not engage in prohibited discrimination on the basis of race, religion, sex, age, color, national or ethnic origin, or disability in the administration of its educational policies, programs and activities. This policy includes admissions policies, scholarships and loan programs, employment practices, and athletic and other school administered programs. Lipscomb University is affiliated with the fellowship of the Church of Christ. The university is controlled by a Board of Trustees, all of whom are members of the Church of Christ, and is operated within the Christian-oriented aims and ideals and religious tenets of the Church of Christ as taught in Holy Scripture. As a religiously controlled institution of higher education, Lipscomb University is exempt from compliance with some provisions of certain civil rights laws, including some provisions of Title IX of the Education Amendments of 1972.

Student Development

What do you want to become? How will you make a difference in this world? What does it mean for you to be truly successful? What do you treasure? What are your greatest dreams and highest aspirations? These are the kind of big questions you bring with you to the college experience and these are the kind of questions Lipscomb's Student Development team is committed to helping you answer. Our highest ambition is to equip our students to discover the person God created them to be and to prepare them to live out God's call on their lives with intentionality and purpose so that they can experience the joy of complete fullness and aliveness in Christ.

Spiritual Formation at Lipscomb

The collegiate experience includes a process of formation – a journey of maturation and development that will play a major role in shaping our students' future. This process of formation is inevitable, but movement toward the specific goal of Christian spiritual formation does not happen without an intentional plan. At Lipscomb University we embrace the end for which Paul labored: that "Christ be formed in you" (Galatians 4:19).

Spiritual formation, or growing in the likeness of Christ, cannot ultimately be required because it is based upon a personal decision and commitment. We welcome and invite students who have not made this decision to join us on our journey, but we acknowledge the importance of everyone's freedom of choice. We ask that all students, however, recognize and respect the centrality of the Christian faith to Lipscomb's identity and mission.

Following is a partial list of the means for the pursuit of spiritual formation at Lipscomb: Bible classes; chapel; service projects, including service learning (SALT) experiences and classes; mentoring; mission trips; daily devotionals delivered electronically; dorm Bible studies; relationships with other students, faculty, and staff; and special speakers and performers.

The mere presence of the activities listed above, however, does not guarantee meaningful results in the area of spiritual formation. A plan for spiritual formation in a university context must give attention to three realities:

- 1) The variety of students' backgrounds and learning styles;
- 2) The importance of encouraging active engagement rather than passive observation;
- 3) The need to move from required activities to internalized habits.

We seek to address each of these realities in our program of spiritual formation. Bible classes begin with the basics, taking students through the whole Bible and encouraging them to find their identity in relation to God's mission in the world. By the time a student reaches the junior or senior level, the goal is to incorporate one or more Bible classes into each academic area, demonstrating how to think and live as a Christian nurse, engineer, teacher, doctor, etc.

Worship times in chapel provide students with a variety of choices. On some days everyone assembles together to reflect and celebrate our overall sense of community. On other days students choose from several smaller venues that offer traditional, contemporary, and contemplative worship styles. Chapel credits may also be satisfied by involvement in such activities as small group Bible studies, mission trips, and service projects.

Simply sitting in a Bible class or a worship period does not produce spiritual growth. For that reason we strive to make these times as meaningful as possible in order to encourage participation, not just attendance. The greatest growth occurs, however, when students choose to go on a mission trip (as hundreds do each year), help feed the homeless, or in other ways live out their faith. An ever-growing array of such opportunities exists at Lipscomb, and those who choose to participate in them frequently find their lives transformed in the process.

We realize that we have our students for a limited amount of time. Once they leave Lipscomb they will not likely be in an environment in which they will be required to attend Bible classes or chapel. We seek to help them obtain knowledge, but also to equip and inspire them to pursue a lifelong path of spiritual formation.

Student Activities

The Student Government Association (comprised of 28 senators and 4 executive officers elected to serve for the academic year) partners with the Office of Student Development in providing opportunities for undergraduate students to get involved in various activities. Lipscomb graduate students work through the Graduate Academic Leadership Team in addressing campus concerns relevant to graduate student life.

1. Professional and Service Organizations

The Lipscomb family offers more than 70 groups and organizations in which students may be involved. The diversity of focus and interest provides avenues for all of our students to address their interests and attain a sense of acceptance and belonging. The major organizational groupings are: academic, professional, honor societies, music, drama, student publications, special interest, service and social clubs. Please consult the *2010-11 Student Handbook* for a detailed listing.

2. Social Clubs

Approximately one in five of our students is involved in social clubs. These clubs are chartered to promote the spiritual mission of the school while providing avenues for social development on campus. Currently there are 12 social clubs overseen by the Office of Greek Life. The Interclub Council (ICC) and social club advisors play a vital role in working with the deans to provide leadership and direction for the clubs. Major club activities include athletics, Singarama, formals, and a variety of service projects.

Residence Life

Lipscomb realizes the importance of providing clean, well-maintained residence halls for students who are required to live on campus. Unmarried students are required to live in one of the campus residence halls. Exceptions to the on-campus housing requirement are made for the following: students twenty-one years of age and older, senior students with 95 credit hours, and students living at home with their parents in the Nashville area. Married students and students over 25 are not allowed to live in the campus residence halls. Exceptions must be approved by the Associate Dean of Residence Life as indicated in the *2010-11 Student Handbook*.

Lipscomb provides married student housing to those qualified married students who are receiving gift aid (all institutional grants and qualifying non-institutional grants) totaling a full grant-in-aid. The availability of this housing is extremely limited and those interested should contact Rental Properties at 615-966-6173 for further information.

Career Development Center

The Career Development Center (CDC) is dedicated to providing opportunities for self-assessment, occupational exploration, and professional preparation for both current students and alumni as they develop their career goals. We assist students in understanding their skills, interests, and values while connecting this knowledge to various career options, career exploration, and on-campus recruiting.

Upon entering Lipscomb University, students may utilize the Career Development Center's services and they are immediately granted an account in *Experience* (Job Board), our online internship and job posting website. All CDC services, including career counseling and testing, are available to alumni of the university at no cost as a part of a lifelong relationship between Lipscomb and its students.

Self-Assessment

The CDC encourages students to also utilize available personality and vocational interest testing given through the Counseling Center. Upon completion, individual career counseling sessions can be scheduled with CDC staff to further discuss the assessments in regards to the selection of a major or career path, or the evaluation of job opportunities.

Occupational Exploration

All students are invited to the career development events such as Career Cafés and Employer Connects. Each week different professionals discuss their industry and network with students. Through exposure to various careers, students gain a greater understanding of the opportunities available to them after graduation.

Students are encouraged to participate in multiple internships to assist them in determining career fit and to gain valuable experience prior to graduation. So that students can easily identify valuable learning opportunities within their field of study, internship opportunities are pre-approved by each department prior to being posted on Experience. Experience is also utilized in maintaining a database of on- and off-campus, part-time, and full-time employment opportunities. Over 250 jobs and internships are posted on the site monthly.

Professional Preparation

Professional development workshops covering resume preparation, graduate school testing and admission, interview skills, and other relevant topics are hosted by the CDC each semester. Free practice graduate admission tests are given once each semester for students and alumni. Career networking events are held on campus in the fall and off campus each spring to facilitate employment placement for students and alumni, and many employers schedule recruiting trips to campus to meet with and interview our students.

Counseling Center

The following services are located in the Counseling Center, lower level of Elam Hall. Normal hours are 7:45 a.m. to 4:30 p.m., Monday through Friday.

Counseling Services

The university provides licensed professional counselors and marital and family therapists for students who need help with personal or family problems, academic issues, vocational choice/choice of major, etc. Services are provided on a strictly confidential basis.

Disability Services

Students with disabilities (learning, physical and/or psychological) should contact the Director of Disability Services. This office coordinates services for students with disabilities and assists with appropriate accommodations.

Testing Services

The Testing Services office supervises the administration and interpretation of psychological tests (personality type, vocational interest, marital and premarital assessments), and educational tests (MAT, CLEP, etc.). It also oversees the SAT, ACT, and PRAXIS national testing programs on designated Saturdays.

Health Services

Health Services is located in the front, lower level of Elam Hall between the Counseling Center and Campus Security. Normal hours are 7:45 a.m. - 4:30 p.m., Monday through Friday.

Lipscomb University Health Services offers health promotion to students, faculty, and staff. Students at Lipscomb can conveniently receive primary care for illnesses and injuries in the Health Center. A nurse practitioner and registered nurses are available for consultation and treatment for common illnesses, referrals to specialists when needed, and response to emergencies on campus during clinic hours. All health services are confidential unless the student specifies disclosure information. Each semester, undergraduate students can see the Nurse Practitioner three times under the student health fee and can pay for any additional visits needed. Payment for prescription medications and laboratory services will be up to the student.

and may be billed to his/her health insurance plan. Health insurance is recommended for students but is not required. Allergy shots, TB skin tests, and some vaccinations are available in the Health Center throughout the year for students, faculty, and staff.

All students must fill out a Student Health Record Form and submit it to Health Services before arriving to campus. This includes a medical history, documentation of immunizations, and a tuberculin (TB) skin test within the last 12 months. Students who have not submitted the Student Health Record Form will have a hold put on their registration until it has been completed. This could prevent the student from registering for subsequent semesters. The state of Tennessee requires proof of two measles, mumps, and rubella (MMR) vaccinations or a titer showing immunity for all students born after 1956. All new students must also have the hepatitis B vaccine (HBV) and the meningococcal vaccine (MCV) because of the increased risk of these infections with college-age students. If the student and/or parent chooses to refuse the HBV or MCV after reviewing the information about the risk factors and dangers of each disease, he/she may sign a waiver refusing administration of the vaccine. A chest x-ray will be appropriate for tuberculosis screening for those who cannot get a TB skin test. If a student is not considered at high risk for TB, his/her health care provider can provide a signed statement that the student is "not at risk," and this will be accepted.

Athletics

Intercollegiate

Lipscomb University is committed to sportsmanship and fellowship as well as academic and athletic excellence. The Lipscomb University Athletic program is an active member of the NCAA (National Collegiate Athletic Association) at the Division I level and is a member of the Atlantic Sun Conference. Lipscomb University competes in the men's intercollegiate sports of baseball, basketball, cross-country, golf, soccer, tennis, and track and field. Lipscomb University women participate in basketball, cross-country, golf, soccer, tennis, softball, volleyball, and track and field.

Lipscomb also offers the finest in athletic facilities. The 5000-seat Allen Arena hosts Lipscomb basketball and volleyball, serves as home for chapel, and houses the athletic department. Ken Dugan Field at Stephen Lee Marsh Stadium serves as home to our baseball program while Draper Diamond provides a magnificent setting for our softball program. In April 2010 the 2200 sq. ft. Huston-Marsh-Griffith Tennis Center was officially opened, housing a pro shop with a retail store.

Intramural Sports

Intramural sports are a vital part of campus life. The Student Activities Center (SAC) and Intramural Field opened in 1991. Activities offered in the fall include the annual Home Run Derby, Softball, Fall Golf Scramble, Co-ed Volleyball, and Flag Football. In the spring, activities include Basketball, Dodgeball, tournaments in Racquetball, Ping Pong, and Badminton, Flag Football, Soccer, Ultimate Frisbee, and Spring Golf Scramble.

Throughout the year, various tournaments in basketball are offered such as a 3-on-3, 5-on-5, and free throw/three-point shooting contests.

Team sport competition is divided into both independent and club leagues. The independent league is open to all students enrolled at Lipscomb and the club league is open only to those students who are members of social clubs and who meet all eligibility requirements set forth by the Office of Student Development.

In addition to intramurals, free play recreation is offered. Students are encouraged to take advantage of the SAC and its facilities ranging from two basketball courts, weight room, indoor running/walking track, aerobics room and four racquetball courts.

Student Growth

A student attending Lipscomb University should grow intellectually, spiritually, physically, and socially. Lipscomb students should be honest and truthful in all matters; abide by campus regulations; respect and obey existing local, state, and federal laws; respect private and public property; observe biblical standards of conduct; and respect the rights of others. Every student is expected to familiarize himself/herself with the *2010-11 Student Handbook* and honor the rules and policies articulated within the handbook. Questions regarding student conduct and/or behavior should be directed to the Vice President for Student Development.

A student may be requested by the Provost or Vice President for Student Development to withdraw from school at any time such action serves the best interest of the student and/or the university. The request may be based on factors which include, but are not limited to, conduct inconsistent with the ideals of the university, failure to do satisfactory class work, or failure to attend Bible class. When a student is requested to withdraw from school, his/her failure to do so may lead to dismissal or loss of credit. When a student is dismissed, that dismissal becomes a part of the student's permanent record.

Academic Integrity: A Community of Faith

Lipscomb University is a community of scholars and learners committed to the teachings of Jesus Christ. Our core values of Christlikeness, truth, excellence and service integrate our Christian faith with the practice of academic pursuits. As citizens of this community, students, faculty and staff share the responsibility for promoting a climate of integrity.

As a distinctively Christian university, Lipscomb encourages each member of the community to grow in Christ's image. The pursuit of truth is a constant goal of the Christian life and lays the foundation for lifelong integrity. In every facet of our work, we seek excellence in the pursuit of knowledge and the courage to make difficult choices even at personal cost. In our service in this community, our actions should reflect the second great command "to love your neighbor as yourself." This command compels us to respect others, to treat others fairly and honestly, and to assume personal responsibility.

The life of the Christian is built on the foundation of serving others and living in truth. A community built on these principles cannot tolerate cheating, lying, fraud, theft, and other dishonest behaviors that jeopardize the rights and welfare of the community and diminish the worth of academic integrity of the community.

The Academic Integrity Policy sets out broad principles. From these broad principles flow policies and practices for

members of the Lipscomb University community. The Community of Faith Judicial Code and the Academic Integrity policies can be found at academics.lipscomb.edu, in the *Faculty Handbook*, and in the Lipscomb University *Student Handbook*.

Community Accountability - Whistleblower Policy

Lipscomb University is committed to providing all members of the university community, including students, faculty, staff, alumni, vendors and guests, with a safe and productive environment. If any member of the university community has reason to believe or reasonably suspect that the university or any of its agents is acting contrary to any applicable federal, state or local laws or regulations, or contrary to any established University policy, that person may report such action or activity without fear of reprisal or retaliation. Information regarding this policy is available through the Office of General Counsel.

Intellectual Property Policy

The university has a policy regarding intellectual property. This policy exists to encourage research and innovation, clarify ownership of intellectual property rights, create opportunities for public use of the University innovations, and provide for the equitable distribution of monetary and other benefits derived from intellectual property. Copies of the full policy are available in the Office of the Provost.

Financial Information

Summary

A typical undergraduate boarding student taking between 12-18 hours per semester can meet regular expenses of tuition, fees, room, and meals for \$30,360 for the school year. A non-boarding student can meet expenses of tuition and fees for \$22,000. The following schedule lists the charges of a typical boarding student taking between 12-18 hours per semester.

| | PER SEMESTER | PER YEAR (Fall/Spring) |
|--|-----------------|---------------------------|
| Tuition (block rate for 12-18 hours in the fall and 12-18 hours in the spring) | \$ 10,330 | \$ 20,660 |
| Room and meal plan | 4,180 | 8,360 |
| Student Fees | <u>670</u> | <u>1,340</u> |
| Total basic cost for typical student | <u>\$15,180</u> | <u>\$30,360</u> |

Basic Charges per semester for Undergraduate program*

Tuition

| | |
|--|----------|
| Undergraduate Tuition per semester | |
| Block Tuition for 12-18 hours | \$10,330 |
| Part-time Hourly Rate (1-11 hours) per hour | 850 |
| Hourly Rate (19 or more hours) per hour | 500 |
| General Student Fee (per semester for 12-18 hours) | 565 |
| General Student Fee (per hour 1-11 hours) | 50 |
| Health Fee (per semester) | 55 |
| Safety and Security Fee (per semester) | 50 |

Basic Charges per semester for Adult Degree Program

| | |
|---------------------------|-----|
| Tuition per semester hour | 499 |
|---------------------------|-----|

* Charges for the graduate programs are described in a separate catalog available from the Admissions Office.

Room and Board Charges per semester

Room charges include local telephone, cable TV access, Internet access, and laundry. There is a non-refundable \$100 room reservation deposit that applies to the semester housing charges. There is also a one-time \$125 housing damage deposit that remains on a boarding student's account his or her entire time in the residence hall. If the final room inspection shows no damages, the student can request a refund of the \$125 deposit or apply the deposit to the student's account balance. Refund request forms may be obtained from the Business Office or at www.lipscomb.edu>>click on Current Students>>Business Office>>Refund Request. Any unclaimed deposits will become non-refundable if not requested within one month after completion of the student's final boarding semester.

| Fall or Spring | Cost per semester |
|---|-------------------|
| Elam, High Rise, Sewell or Johnson (traditional) Double/Triple Occupancy | \$2,350 |
| Elam, High Rise, Sewell, or Johnson (traditional) Single Occupancy | 3,145 |
| Fanning Double/Triple Occupancy | 2,075 |
| Fanning Single Occupancy | 2,870 |
| Johnson (new addition) Double/Triple Occupancy | 2,585 |
| Johnson (new addition) Single Occupancy | 3,380 |
| The Village Double Occupancy | 3,030 |
| The Village Single Occupancy | 3,825 |
| *(Summer terms) Double/Triple Occupancy (Maymester, Junemester, or Julymester terms) (per "mester") | 585 |
| Single Occupancy (Maymester, Junemester, or Julymester terms) (per "mester") | 730 |
| *(Summer — Full Summer) Double/Triple Occupancy (June and July) | 1,210 |
| Single Occupancy (June and July) | 1,500 |

*Excludes The Village

| | |
|---|-------|
| *(Summer — Term I or II) Double/Triple Occupancy (June or July) | 625 |
| Single Occupancy (June or July) | 770 |
| (Summer terms) The Village Double/Triple Occupancy (Maymester, Junemester, or Julmester terms) (per “mester”) 795 | |
| The Village Single Occupancy (Maymester, Junemester, or Julmester terms) (per “mester”) | 940 |
| (Summer - Full Summer) The Village Double Occupancy (June and July) | 1,995 |
| The Village Single Occupancy (June and July) | 2,520 |
| Married Student Housing (per month) if available | 1,100 |

*Excludes The Village

Meal Plans:

| | |
|--|---------|
| Bison Stampede (280 base meals + 20 floating meals per semester) | \$1,935 |
| Bison Herd (210 base meals + 15 floating meals per semester) | 1,830 |
| Bison Traveler (140 base meals + 10 floating meals per semester) | 1,660 |
| \$125 Flex (May be added to any meal plan above) | 125 |
| \$75 Flex (May be added to any meal plan above) | 75 |
| Senior Gold (125 meals and 25 floaters) | 1,675 |
| Senior Purple (90 meals and 15 floaters and \$125 flex) | 1,415 |
| Senior Black (95 meals and 5 floaters) | 1,270 |
| Senior Express (All flex) | 815 |
| The Village (All Flex) | 1,020 |
| The Village (100 meals and 10 floaters) | 995 |
| Day Student Meal Plan 100 Meals | 895 |
| Day Student Meal Plan 50 Meals | 450 |
| Day Student Meal Plan 20 Meals | 185 |
| Summer Cool (All flex-available summer terms only; optional) | 165 |

Special Fees

| | |
|---|--------|
| Application Fee | \$ 25 |
| Art Supplies Fee (Course Dependent) | 50-100 |
| Foreign Language Fee | 30 |
| Foundations of Business Course Fee | 30 |
| Graduate Certificate in Professional Accountancy (per hour) | 997 |
| Graduation Charge | 195 |
| Institute for Conflict Management Certificate Fee | 185 |
| Lab Fees: | |
| Biology, Chemistry, Computing, and Physics | 90 |
| Late Registration/Late Payment/Late Becoming Official Fee: | 185 |
| New Student Orientation Fees: | |
| Freshman Advance (non-refundable after June 1) | 120 |
| Transfer Advance (non-refundable after July 1) | 95 |
| QuestWeek (will be charged to student’s fall account) | 105 |
| Nursing Clinical Education Fee (per semester) (Note: Fee effective January 2011) | 1500 |
| Private Music Instruction for credit (one-half hour lesson per week, per semester) in addition to tuition (non-refundable after first week) | 305 |
| Private Music Instruction for credit (two half-hour lessons per week, per semester) in addition to tuition (non-refundable after first week) | 600 |
| Private Music Instruction not for credit (one-half hour lesson per week, per semester) (non-refundable after first week) | 460 |
| Private Music Instruction not for credit (two half-hour lessons per week, per semester) (non-refundable after first week) | 775 |
| Returned Check Fee | 30 |
| Special Testing Fees: | |
| Advance Standing Equivalency Credit & Credit by Examination (per course) | 65 |
| Constructing and Administering Departmental Examination (per course) | 95 |
| Student Teaching Fee | 350 |
| TMS Monthly Payment Plan Enrollment Fee | 65 |
| Transcript Fee | 5 |
| Withdrawal Fee (Undergraduate, Adult Learning, and Graduate) | 190 |

Special Deposit

| | |
|--|-----------|
| International Student Deposit per semester | \$15,000* |
| (if the international student lives off campus, the deposit is \$11,000) | |

* The International Student Deposit per semester is due April 1 each year for returning students (July 15 for new students) for the fall semester and November 1 each year for the spring semester. The deposit will be applied against all school costs incurred by the students, with any balance due Lipscomb the responsibility of the student. Any final overpayments to Lipscomb will be refunded to the student upon request.

Lipscomb University reserves the right to adjust any fees at any time before the charges are incurred by the student.

Paying Your Account

Financial arrangements for all student charges should be made before classes start based on the published dates at www.lipscomb.edu. (Click on Current Students>>Business Office and Dates to Remember). Students who have not

designated one of the following payment options will not be eligible to attend classes and their classes may be cancelled. For their convenience, students may now pay their account on line at www.lipscomb.edu through the following process: click "Current Students," then select "myLipscomb." Log into the secure area using your PIN number and password. Click on "My Account"; Banner Self-Service; Student Services, Registration Process, and Financial Aid. Then proceed to Step 4 to pay online. Parents may also pay at parentpay.lipscomb.edu. Parents will need their student's Lipscomb ID number and birthdate. To meet the financial needs of our students and their families, Lipscomb offers two payment options:

I. MONTHLY BUDGETING PLAN

Tuition Management Systems (TMS) has teamed with Lipscomb University to offer a monthly payment option that allows families to spread all or part of the annual expenses over equal monthly payments usually beginning in July (April for summer terms). The plan may be used to supplement all forms of financial aid. An additional feature of the plan is life insurance coverage which guarantees payment of the unpaid balance of the budgeted amount in the event of the death of the enrolled policy holder. There is a non-refundable annual enrollment fee of \$65. Enrollment forms may be obtained in the Business Office or online at afford.com. The TMS budget must cover all charges on the student's account. Lipscomb reserves the right to increase the budget if necessary.

II. FULL PAY

Under this plan the entire balance is paid before classes start based on the published date at lipscomb.edu. Students who receive financial aid and/or scholarships that will fully pay the account should have their aid verified by the Business Office. Non-verifiable aid will not be considered. It is the student's responsibility to make arrangements for all financial aid, outside scholarships, loans and payments prior to the beginning of the term. All pending financial aid approved by the Financial Aid Director is considered, excluding work study. A pre-bill will only be available on-line. Students should view and pay their bill online at www.lipscomb.edu (click on step four of myLipscomb). Non-traditional students must also either sign up with TMS or pay in full.

Summer terms tuition must be paid by the first day of each term.

NOTE: Graduating seniors must pay their account in full at least fourteen days prior to graduation. If students have not paid in full fourteen days prior to graduation and choose to pay by check, the diploma will be held until the fourteen days have passed to allow time for the check to clear.

NOTE: Adult Learning Program Students: Employer Reimbursement

This plan allows for a deferment of payment provided documentation is presented of an employer's intent to reimburse the student. For reimbursements less than 100% of all charges, the anticipated unreimbursed balance is due before classes start. Lipscomb does not charge interest during the semester on account balances under this plan. Balances are due and payable within 14 days from the day grades are posted. However, all payments must be received by May 15 each year. If the employer has not paid Lipscomb by two weeks after grades are posted at the end of the semester, then Lipscomb will need the student to pay this balance and seek reimbursement directly from his or her employer.

Students who receive employer assistance must provide proof of employer's intent to reimburse the student at the beginning of the Adult Learning Program experience and at 12-month intervals after that. To demonstrate proof of intent, students must furnish copies of their employers' reimbursement policy and a signed commitment from the entity's human resources department on company letterhead. Please attach this letter to the employer reimbursement form found in step 4 of the online registration process on myLipscomb (go to lipscomb.edu; click on current students, click on myLipscomb, log into the secure area, select "My Account">>Banner Self-Service, select Student Services, Registration Process & Financial Aid, select Registration Process, then select step 4. Scroll down to view the bill and click on payment options>>employer reimbursement) and mail or fax (615-966-1796) to the Student Accounts Office. You will then be made "officially registered" by a manual process. The employer reimbursement form must be submitted each semester for which you are registered. If your employer reimburses you after grades are submitted to them, you will be on "hold" when it is time to select classes. Please contact the Student Accounts Office at 615-966-1778 to be taken off of hold.

For more information on the employer reimbursement program, please contact the Student Accounts Office at 615-966-1778.

Financial Responsibility

STUDENTS CANNOT SELECT CLASSES, RECEIVE TRANSCRIPTS, GRADUATE OR REGISTER UNTIL ALL ACCOUNT BALANCES HAVE BEEN SATISFIED WITH THE UNIVERSITY. These payment requirements will be strictly adhered to.

Failure to meet financial obligations to the university will likely result in the delinquent account being placed with a collection agency. Students are responsible for all attorney fees and any and all other collection costs incurred by the university in collecting accounts.

Penalties on Unpaid Balances

Balances remaining after the first day of class are past due. A late fee of \$185 will be placed on all accounts where financial obligations have not been met by the published class start date each semester. A billing charge of 1 1/2% per month (18% annually) will be assessed on any remaining balance after the term ends. The student must inform the Registrar's Office of any change of address.

Holds

Financial Hold

Students who have not paid their account in full (or who have not made appropriate financial arrangements with the Business Office) by the date of early class selection (preregistration) will be placed on a Financial Hold. Students on this hold will not be able to select classes for future semesters until the account is paid in full. Also, transcripts will not be released until the account balance is paid in full. Students can be placed on this hold for the following reasons:

1. Students who are not officially registered by the deadline on our website (www.lipscomb.edu);
2. Students who sign up with TMS (Tuition Management Systems) but don't make their monthly payments;
3. Students whose financial arrangements do not occur as agreed upon by the student and the Business Office.

Prepayment Hold

Students can also be placed on a Prepayment Hold. Students on this hold must pay any previous and current balance, and they must prepay their balance for the future semester before they will be allowed to select classes. Also, transcripts will not be released until the account balance is paid in full. If financial aid and/or Employer/Third Party Reimbursement is in place and verified, and if it is sufficient to cover all previous balances, current balances, and the future semester balance, then the student may request the Business Office to release him/her from this hold. Students can be placed on this hold for the following reasons:

1. Students who are not officially registered by the deadline on the Business Office website (www.lipscomb.edu);
2. Students who sign up with TMS (Tuition Management Systems) but don't make their monthly payments;
3. Students whose financial arrangements do not occur as agreed upon by the student and the Business Office;
4. Students who chronically do not pay their account in full by the deadline (or who have demonstrated in the past that they do not pay their account in full by the deadline).

Housing

A non-refundable room reservation deposit of \$100 is required to reserve a room. There is also a one-time \$125 housing damage deposit that is held on the student's account his or her entire time in the residence hall. If the final room inspection shows no damages, the student can request a refund of the deposit or apply the deposit to the balance. Damages can be assessed against the room deposit any time damages occur. Deposits, less any damages, are refundable after the final room inspection. Refund request forms may be obtained from the Business Office or at www.lipscomb.edu>>Click on Current Students>>Business Office>>Refund Request. Any unclaimed deposits will become non-refundable if not requested within one month after completion of the student's final boarding semester.

Lipscomb University provides married student housing to those qualified married students who are receiving gift aid (all institutional grants and qualifying non-institutional grants) totaling a full grant-in-aid. The availability of housing is extremely limited and those interested should contact Rental Properties at 615-966-6173 for further information.

Meal Plans

All students who reside in Lipscomb University residence halls are required to have a meal plan offered by the university. In addition, students may add flex dollars (at increased cost) to their meal plans to be used at designated food service centers.

Students who are classified as seniors (95 or more hours earned) prior to the start of a semester and are living in a residence hall may choose one of the senior meal plans. Off campus students may choose from one of the day student meal plans, but are not required to purchase a meal plan.

Meal plans are for use during the registered semester and cannot be carried forward to future terms. However, flex balances will be rolled from the end of the fall semester to the beginning of the spring semester. This roll only occurs from fall to spring. Please refer to the Refund Policy section of this chapter for more information.

Dropping Courses

1. During drop/add period (see www.lipscomb.edu for specific drop dates), students may receive a full tuition refund, according to the refund policy.
2. After the drop/add period, refunds will be prorated according to the refund policy listed below.
3. During the official drop/add period, students will be able to drop or add on the WEB. After that time, a drop/add form must be completed and accepted in the Registrar's Office in order to be official. The official drop date will be the transaction date indicated from the WEB drop or the date the drop/add form is accepted in the Registrar's Office.
4. No reduction in tuition is provided for courses added at any time during the semester.
5. There are no financial reductions for temporary student absence from classes.

Date of Official Withdrawal

Lipscomb charges a withdrawal fee of \$190.

1. Official withdrawal from the university requires that the student:
 - a. Secure a "Student Withdrawal Form" from the Registrar's Office.
 - b. Supply all necessary information on the Student Withdrawal Form, SECURING THE REQUIRED SIGNATURES.
 - c. Secure residence hall clearance in writing from the housing director (boarding students only).
 - d. Meet with the Director of Student Advocacy for an exit interview.
 - e. International students must secure the signature of the designated school official.
2. The **completed Student Withdrawal Form and the student I.D. card** must be surrendered to the Business Office. The date of official withdrawal from the university will be based on the last verifiable date of attendance.
3. The official withdrawal notice must be recorded by the Business Office before any potential adjustment in the student's financial record can be made.
4. Students withdrawing during a semester, or not attending any semester other than summer session, must reapply through the Admissions Office.
5. The semester deadline for official withdrawal from the university is the last day of classes prior to the final exam period.

Refund Policy

Registration at the university is considered a contract binding the student for the entire term. Many commitments of the university are based upon the enrollment anticipated at the beginning of the term. The refund policies have been established to allow for the university's advance commitment to operating expenses.

I. Refund of Tuition:

Refunds will be calculated based on the official date of withdrawal as defined above.

Fall, Spring, Maymester, Junemester, Julymester, Wintermester, Short Summer Terms, Summer Full Session, and Adult Learning Program Tuition Refund Periods:

100%.....must drop or withdraw by the equivalent of one week of class

50%.....must drop or withdraw by the equivalent of three weeks of class

No refund of tuition after the third week of class.

Any non-traditional term not stated above will be subject to a similar schedule of refund. Refunds for non-traditional meeting times are based on the above schedule using equivalent weeks of class time rather than calendar weeks. For example, in a three credit hour class, 150 minutes of class time equals one week.

II. Refund of Dorm Room Charges

A. Students who withdraw from the university on or before the first week of class will receive a full refund of any dorm room charges. A refund of 33% of dorm room charges will be credited to the account if a student officially withdraws on or before the end of the fourth week. To be eligible for the dorm room refund, the student must return the student I.D. card, remove belongings from the room, and follow check out procedures. (Please refer to Date of Official Withdrawal section.)

Note: Students enrolled in non-traditional terms will receive a refund of 33% of dorm charges if officially withdrawn on or before the first quarter of the term.

B. Students who do not officially withdraw but choose to live off campus after the first week of class will not be eligible for any refund of dorm charges unless the student is forced to leave the dorm for one of the reasons listed below.

1. Medical reasons confirmed in writing by a licensed physician. The proration will be made from the date of receipt and acceptance by the Office of Campus Life (Housing Office).
2. Death of student or immediate family member.
3. Extenuating circumstances affecting military personnel.

III. Refund of \$100 Room Reservation Deposit:

Room Reservation Deposit: The room reservation deposit of \$100 is non-refundable after May 1 for the upcoming fall semester unless:

1. The student is prevented from entering the university because of medical reasons confirmed in writing by a licensed physician
2. Dorm room space is not available
3. If the student is not accepted to Lipscomb University.
4. Full refund will be made in the case of the death of the student or immediate family member.

Note: The deposit for summer housing is only \$25.

IV. Refund of Meal Plan Charges

Withdrawal or Cancellation-Meal plan selections cancelled prior to the first day of classes will be fully refunded. After Friday of registration week, no meal plan changes are allowed (except for approved medical reasons).

V. Claiming a Refund

A. Refunds of \$150 or less will be issued only upon request.

B. Students may request a refund by completing the STUDENT REFUND REQUEST FORM located online at www.lipscomb.edu. Click on current students>>business office>>refund request. Refund forms are also located in the Crisman Building lobby outside of the cashier's window. Refunds are typically issued each Friday after 1 p.m. No refunds are issued during the first week of registrations and during the weeks of early class selection. Notices will be posted in the Business Office if refunds are not being done any other week.

C. Recipients of Title IV funds (Stafford Loans, Parent PLUS Loan, Perkins Loan, Pell Grant, etc.): Title IV credits that have been received can be refunded upon completion of a refund request form. Students may elect to leave the credit on their account by signing an authorization form (see below).

D. Students who have not already completed the AUTHORIZATION FOR DISPOSITION OF FEDERAL TITLE IV FINANCIAL AID PROGRAM FUNDS form may obtain one in the Crisman Building lobby outside of the cashier's window or in the Financial Aid Office.

E. Students who request more than two refunds per semester are subject to a \$75 processing fee for each additional refund.

F. Refunds will be mailed to the student's billing address unless prior written notification is submitted to the Business Office.

Adding Courses

1. The final day for adding classes (fall and spring) is the fifth class day. The final day to add during the full summer session is the fourth class day and for summer terms it is the third class day. Accelerated adult degree classes, as well as Maymester, Junemester and Julymester term classes, must be added before the second class meeting.
2. There is no additional charge other than normal tuition and fees. (To add a class, check the calendar in front of catalog for date of last day to add a class.)

Financial Aid

The Financial Aid Office coordinates the awarding of all financial assistance. The primary purposes of the aid program are to provide financial assistance to students who without aid could not attend the university and to reward students who have achieved excellence in their previous academic work or in areas of performance.

Besides offering its own institutional aid to students, Lipscomb participates fully in federal and state aid programs. The aid available includes scholarships, grants, loans, and employment.

The Financial Aid Office presents to each eligible applicant an award package which may be funded from several sources. Because funds may come from many sources at various times, over-awarding sometimes occurs. If a student is inadvertently over-awarded according to either federal or institutional guidelines, adjustments will be made in the award. Please note that your institutional aid may be reduced or canceled at any time during the year if it is deemed necessary.

Lipscomb University makes every effort to use institutional resources to build our campus community. Consequently, we must limit the gift aid provided to students who choose to live off campus. For off-campus students, gift aid (defined as Pell grants, state grants, SEOG grants, HOPE scholarships, scholarships received outside of the university, and Lipscomb University-sponsored scholarships and grants) cannot exceed the direct charges (excluding meal plans) applied per semester to a student's account, plus a \$1,200 book allowance. Institutional scholarships and grants awarded by the University will be adjusted when the total gift aid exceeds the direct charges (excluding meal plans) plus a book allowance. Students who live on campus may be awarded, at a maximum, gift aid of up to the total cost of attendance (approximately \$4,000 over direct costs). Also, budgets for off-campus students are lower than budgets for on-campus students. Consequently, if a student moves off campus during any semester, both loan eligibility and gift aid may be significantly reduced. Off campus students cannot have a meal plan covered by institutional aid. Community College Trustee Award recipients who live off campus are awarded a full tuition scholarship that is *inclusive* of HOPE. Only those who live on campus may use the additional HOPE award for expenses other than tuition, including books.

In general, university funding is described below under the heading of "Scholarships;" funds from government (and other) sources are designated "Financial Aid."

Scholarships

Institutional grants (often called "scholarships") are given on two bases: merit and need. Any student accepted for admission to the university must file a FAFSA (www.fafsa.gov) to be considered for both need and merit aid provided by the university. Any student who files a Free Application for Federal Student Aid (FAFSA), listing Lipscomb's Federal Title IV Code (003486), is automatically considered for need-based federal and state aid, as well.

Institutional Merit-Based Scholarships General Information by Enrollment Status

Freshmen. Academic scholarships for first-time freshmen are determined primarily by ACT/SAT.

A. Additional ACT/SAT scores will not be used for scholarship determination beyond the first day of classes in the student's freshman year.

B. Other scholarships for freshmen are Performance Awards in art, athletics, drama and music. These awards are determined by the specific department.

Transfers. Academic scholarships for transfers are awarded according to college GPA. A minimum GPA of 3.0 is required. Students who have enrolled full time at another college or university for one semester or more are considered transfer students.

Continuing Students. Lipscomb students can renew the scholarships they receive at entry (see page 20). However, superior academic performance at Lipscomb does not allow for an increase in the award.

Graduate Students. Graduate students may qualify for scholarships, tuition grants or assistantships, depending on the field of study. Please refer to the Graduate Catalog for further information.

Transient. No aid, including scholarships, is available to students who do not seek a degree, licensure, or certification.

Returning Students. (Lipscomb being the initial school as a first-time freshman).

A. The initial-entry scholarship will **not** be offered if the student's intention was to withdraw from Lipscomb and enroll in another school for a semester or more as a regular student (not a transient). Students taking *less than full-time* summer classes while at home for summer break are excluded from this policy. As a general rule, leaving Lipscomb in the fall or spring term to enroll in another college or university will result in transfer student status upon return.

B. Students away from Lipscomb for more than one semester will be awarded at the Transfer Scholarship scale, based on the most recent Lipscomb GPA.

Second-Degree Students. No institutional aid available. May qualify for federal aid.

Merit Aid

Trustee, Presidential, Provost, and Transfer Scholarships and Bison Achievement Awards (Academic)

These awards are given to first-time freshmen, transfers, and continuing students. Details for incoming students are available in the most current Financial Aid Brochure.

Phi Theta Kappa

A limited number of renewable scholarships are available to Phi Theta Kappa members.

Continuing Students

Presidential and Provost Scholarships and Bison Achievement Awards given to entering students continue if the students meet renewal requirements. See "Renewal," page 20.

Adult Learning Programs

Adult Degree students are eligible for merit-based scholarships. Applicants should submit their requests to the Financial

Aid Office (a scholarship request form is available on the Financial Aid website under “Lipscomb Scholarship”).

Graduate Students

All graduate students may apply for need-based aid by filing a FAFSA. Some graduate areas offer unique merit assistance:

- The M.B.A. program has a limited number of academic scholarships and assistantships.
- The Education program offers a few scholarships and assistantships and makes available a 40% tuition grant to teachers at schools associated with the Church of Christ and offers an In-Service Scholarship (26% discount) for other currently employed full-time teachers and/or administrators.
- The Bible program provides a graduated tuition discount for all qualified students. Contact the Bible Department for details.
- Counseling and Psychology offers a limited number of assistantships.

Vision Award

These are awarded to entering freshmen and transfers who can make a positive contribution to the diversity of the student body. The award is \$1,000 per year and is good for 132 attempted hours. The student is required to take a full time load per semester and must maintain a 2.0 GPA. The student must be a U.S. citizen.

Dean’s Research Grant

Lipscomb awards a limited number of non-renewable research grants. Recipients are selected by college deans.

Special Awards

These are made primarily to entering freshmen based upon the following criteria.

Fanning-McInteer Scholarship Fund. This fund is designated for female students only. In order to qualify, one or both of the parents of the applicant must be deceased. Eligibility is based on need, so the filing of a Free Application for Federal Student Aid (FAFSA) is required. The priority deadline for filing is March 1. For information contact the Financial Aid Office.

Cultural Diversity Teacher Training Program Scholarship. These scholarships are awarded to minority students who seek an initial teaching license through Lipscomb’s Professional Education degree program. The value of a scholarship is up to \$5,000. Applicants should contact Lipscomb’s Office of Teacher Education for information about application procedures and deadlines. Awards are made by an applicant selection committee.

Outside Scholarships. There are outside scholarship opportunities available to Lipscomb students. Application and requirements for these scholarships are available online under Financial Aid at www.lipscomb.edu.

Performance Scholarships

In addition to Merit Aid based upon academic achievement, Lipscomb also offers Merit Aid based upon excellence in various areas of performance by students. Performance Scholarships are made primarily to entering freshmen by the appropriate departments. Examples include Music, Art, Athletics, Drama, and Communication.

Art. Scholarships are available to students on the basis of talent demonstrated by a portfolio of the student’s work. Recommendations are made by the chair of the Department of Art. Contact the Department of Art for further information.

Athletics. A limited number of athletic scholarships are available for student-athletes. Athletes awarded \$12,000 per year or more **must** file a FAFSA before any athletic aid will be applied to the student account. Student-athletes must satisfy eligibility requirements established by Lipscomb and by the NCAA to be eligible for athletically related performance-based aid. For specific information contact the Office of Athletics, Lipscomb University, Nashville, Tennessee 37204-3951.

Communication. Scholarships are available for students proficient in journalism and mass communication. Preference is given to candidates who have been enrolled for at least one semester. The chair of the Department of Communication recommends the recipients.

Music. Applicants with proficiency in vocal and/or instrumental music may apply for scholarships awarded for past achievements and for audition performance. Contact the Department of Music for spring audition dates and other departmental requirements.

Student Government. A limited number of scholarships are available to student government officers. Candidates must be duly elected and meet established criteria. Contact the Office of Student Development for information related to Student Government and these awards.

Other. Various other performance-based aid may be established from time-to-time.

CCCU Tuition Waiver Exchange Program

Lipscomb participates in the Council for Christian Colleges and Universities tuition exchange program. Students enrolled in the Doctor of Pharmacy degree or the B.S. in Nursing degree are not eligible. Contact the Financial Aid Office for details.

Institutional Need-Based Scholarships/Grants

Freshmen, transfers, continuing students, and graduate students have the same requirements for need-based aid. A FAFSA must be filed to be considered for need-based aid.

Need Aid Details by Fund

“Memorial” is the inclusive term for need-based aid at Lipscomb. Memorials are of two types: general and designated. A general memorial comes from the general funds of the university; the designated memorials consist of restricted scholarship funds set up in memory of individuals. After a student receives a memorial, he/she is told from which designated memorial all or part of the award is derived. Thank you notes to donors are required of students who receive Lipscomb memorials. No credit for the memorial scholarship will be given until the note is written.

The designated memorials are numerous and usually are awarded on the basis of need; thus, the filing of a FAFSA is required. Some award decisions are made by select groups. Most memorials are awarded by the Financial Aid Department.

A. Some memorials have definite instructions from contributors concerning those to whom the awards should be given. Others are available to any student with need.

B. Memorials exist for majors in art, Bible (graduate and undergraduate), biology, business, chemistry, dietetics, English, Greek, history, journalism, consumer sciences, physical education, pre-med, pre-nursing, social work, speech, etc. A few memorials state donor preferences for recipients who are from specific geographic regions, for minorities, or for those who participate in athletics.

C. Four memorial loan funds exist and are listed on page 21.

The university is grateful to those who have contributed and are contributing to these scholarships. We especially appreciate those whom they honor.

Endowed memorial fund names are as follows:

| | | | |
|--|---|---|---|
| Adams Christian Trust Scholarship | Class of '52 Endowed Scholarship | Hollins, Edgar and Ida Belle Memorial Scholarship Fund | Powell, Mr. & Mrs. Lee Scholarship Fund |
| Alexander, B and B Scholarship Fund | Clausel, James E. Family Scholarship | Hunt, Tappie L. Scholarship Fund | Powell, Condra Scholarship Fund |
| ALL Scholarship Fund | Clayton, Fred and Grady Hert Endowed Scholarship | Hutcheson, John and Mary Nelle Art Scholarship | Primm, Sylvia Kennedy Scholarship |
| ALL-Atlanta, Georgia | Cobb, Thurman & Maizie Scholarship | Hyche, Henry and Verda Scholarship Fund | Putney, James T. Scholarship |
| ALL-Bedford County, Tennessee | Cochran, Mr. and Mrs. Obie & Willie Scholarship | Ingram Scholarship Fund | Ragsdale, Evelyn Potts Scholarship Fund |
| ALL-Birmingham, Alabama | Coleman, Dr. and Mrs. Michael Scholarship Fund | Jackson, Ira S. and Hazel Scholarship Fund | Rainey, John L. Scholarship Fund |
| ALL-Centennial | Collins, G. Willard Scholarship | Jenkins, William W. Scholarship Fund | Raulston, Ed/Kate Scholarship |
| ALL-Chattanooga, Tennessee | Connelly, Capt. Allen N. Memorial Scholarship | Jernigan, May Ministerial Scholarship | Raulston, Lucy Crownover W. Scholarship |
| ALL-Clarksville, Tennessee | Conner, Durwood Scholarship | Johnson, Helena "Grandma" Scholarship Fund for Bible Majors | Ray, Jack L. Scholarship Fund |
| ALL-Coffee County, Tennessee | Cornette, Arline Scholarship Fund | Kerce, Robert H. Mathematics Scholarship Fund | Ray, Fred/Ailene Scholarship |
| ALL-Ruth Collins | Costello, Jean G. Scholarship | Kieswetter, Bobby Endowed Scholarship Fund | Reid Avenue Church of Christ Scholarship |
| ALL-Dickson County, Tennessee | Couchman, Elizabeth J. Fund | Kinkaid-Rankin Endowed Scholarship Fund | Renick, Robert Scholarship |
| ALL-Glasgow, Kentucky | Crisman Scholarship | Kitrell/Denison Accounting Major Scholarship Fund | Riden, James D. Memorial Scholarship Fund |
| ALL-Hickman County, Tennessee | Crittenden Dr. Church of Christ Scholarship | Lavender, David E. Missions Scholarship Fund | Riggs-Lantz Scholarship Fund |
| ALL-Huntsville, Alabama | Cullum, Gregory E. Scholarship | Leathers, Harry Scholarship Fund | Rives Family Scholarship |
| ALL-Knoxville, Tennessee | Curd, Ed/Charlene Scholarship Fund | Leathers, Sally Lou Scholarship Fund | Ross, Elizabeth Troyan Memorial Scholarship |
| ALL-Lawrenceburg, Tennessee | Dailey, Clarence Scholarship | Leavell, William A. and Frances H. Scholarship Fund | Rudy, Dan/Jeanette Scholarship Fund |
| ALL-Marshall County, Alabama | Davis, Allene Memorial Scholarship | Leaver, Walt and Carol Scholarship Fund | Sanders, Joe & Evelyn Scholarship |
| ALL-Marshall County, Kentucky | Davis, W. Lipscomb Business Scholarship | Lipscomb, Dr. John Paul Scholarship Fund | Sanders/Morton/Journey Scholarship |
| ALL-Marshall County, Tennessee | Davy, Joey Scholarship Fund | Lipscomb, Virginia C. Scholarship Fund | Seals, Ida Mae Scholarship |
| ALL-Mayfield, Kentucky | Deloitte and Touche Scholarship Fund | Lipson, James and Katie Scholarship Fund | Sells, Barnard D. Scholarship Fund |
| ALL-McMinnville, Tennessee | Demonbreun, Bryan Scholarship Fund | Lipson, Sara M. Scholarship for Church Workers | Shackelford, RP/Kathryn Memorial Scholarship |
| ALL-Memphis, Tennessee | Dennis, Marshall & Jean Scholarship | Lunn, Sara M. Scholarship for Preachers | Shannon, Scott Memorial Scholarship |
| ALL-Murray, Kentucky | DeRossette/Lyles Scholarship | Lyle, Rebecca Scholarship | Share, JJ Memorial Scholarship |
| ALL-Rutherford County, Tennessee | Derryberry, Dorris/Mary Lee Business Scholarship | Maiden, Lewis/Leota English Scholarship | Shereff Art Scholarship Fund |
| ALL-Southern Bowling Green, Kentucky | Discher/Morrison Scholarship | Maiden, Lewis/Leota History Scholarship | Sherrow, Herbert/Katherine Scholarship Fund |
| ALL-Shoals Graduate Scholarship | Dobbs, John-Adam Cockerham Scholarship | Mann, George Memorial Fund | Simpton County, Kentucky Scholarship Fund |
| ALL-Southern Middle Tennessee | Draper, Bob Memorial Athletic Scholarship | Masterson, Jack/Stella Scholarship | Smiley, William M. Scholarship Fund |
| ALL-Williamson County, Tennessee | Drughon Foundation Scholarship Fund | Matheny, Mike Memorial Scholarship Fund | Smith, Doug Scholarship |
| Alsop, Jane Elizabeth Scholarship | Dreher, Chuck Ministers Scholarship | McAlister, Sara Scholarship | Smith, Erin Arnold Endowed Scholarship Fund |
| Alumni Veterans Scholarship | Dreher, Chuck Womens Scholarship | McBride, John/Elna Scholarship | Sonia, Celia Scholarship Fund |
| Anderson Family Mission Fund | Dugan, Ken Athletic Scholarship | McCaleb, J. M. Mission Scholarship | Spann, Edwin W. Endowed Scholarship |
| Andrews, Sarah S. Scholarship Fund | Duncan, Bruce & Nancy Tennis Scholarship | McDowell, Clarence Scholarship | Speed, Gentry and Mary Hunter Fund |
| Arnold Good News Teachers Training Scholarship | Duncan, Jamison M. Scholarship Fund | McFarland, Sam Scholarship | Stafford, J. B. Scholarship |
| Arnold, Lloyd N. Memorial Scholarship Fund | Dunn, Deb/Johnston, Allene Scholarship | McGill, James/Gladys Scholarship | Stagg, William/Betty Memorial Scholarship |
| Ausbrooks, Nora Scholarship Fund | Durden, Dr. John D. Scholarship | McGuire, Willie H. Scholarship | Stanton, William A. Scholarship |
| Baker Expository Preaching Scholarship | Durrington Church Ed Adm Scholarship | McIntire, Jim Memorial Scholarship | Stevens Scholarship Fund |
| Baker, Arthur/Opal Preaching Scholarship | Dye, Lucy Scholarship Fund | Meador, Mrs. Margaret Appreciation Fund | Stewart, Roy/Irene Scholarship |
| Baker, Arthur/Opal Nursing Scholarship | Edgin, Susan Memorial Scholarship | Meador, Prentice, Sr. Memorial Scholarship | Stinson, Homer Carlton Scholarship for Preachers |
| Baker, Arthur/Opal Scholarship | England, G. David Scholarship Fund | Melton, Sarah Lillian Robinson Memorial Scholarship Fund | Swain, Elsie M. Memorial Scholarship Fund for Preachers |
| Barber, Heather Knox Nursing Scholarship | Enzor Scholarship Fund | Mid-Town church of Christ Scholarship | Swang, Axel W. Business Scholarship |
| Barlar, E. C. Scholarship Fund | Etter, Bill W. Memorial Scholarship Fund | Miles, Mrs. K. B. Scholarship | Swann Scholarship Fund |
| Barr Kappa Chi/Pre-Med Scholarship | Eubanks, Buford & Dot Scholarship Fund | Miller-Huff Memorial Scholarship | Sweeney, Lawrence Scholarship Fund |
| Batey, Irma Lee Voice Scholarship | Evins, Edgar Scholarship | Mitchell, V. O. and Nina Scholarship | Swinney, Herb Memorial Scholarship |
| Batey, Irma Lee Scholarship Fund | Ewing Trust/Protestant Orphan Fund | Moore, A.L. & Jayne Scholarship Fund | Tackwell, Cathy Memorial Fund |
| Baxter, Wanda & Batsell B. Scholarship | Family Emphasis Scholarship | Moore, J.P. & Ruby Memorial Scholarship | Thompson, Johnny Scholarship |
| Beaman Scholarship | Fanning-McInteer Scholarship Fund | Moore, Mrs. Wade Scholarship Fund | Thorntwaite Memorial Scholarship |
| Beamer, Pat Scholarship Fund | Fetner, David Scholarship Fund | Morgan, L. A. & A Scholarship Fund | Thweatt, L. Poyner Business Administration Scholarship |
| Bellwood church of Christ Fund | Flowers, Harold Memorial Scholarship | Morgan, L. A. & A Scholarship Fund | Tolte, James/Kathryn Scholarship |
| Bennett, Dr. Lynch Memorial Scholarship | Floyd, Harvey Biblical Languages Scholarship | Morris, Ted Scholarship Fund | Transouth Educational Foundation Scholarship Fund |
| Berry Family Endowed Scholarship Fund | Forest Hills church of Christ Scholarship Fund | Mullican, Bill, Sr. Scholarship | Trimble, John/Mittie Scholarship Fund |
| Berry, Sue English Scholarship | Fox, Dr. Jesse/Maude Scholarship | Nance, Ralph/Betty Scholarship | Tucker, JD/Nelle Scholarship |
| Bloomington, Roy/Berta Memorial Scholarship | Fry, John S. Scholarship Fund | Neal, James E. Endowed Scholarship | Turner Scholarship Fund |
| Bohannon, Byrd/Eva Scholarship | Fulmer, Clyde/Constance Scholarship | Neely, Louise Lipscomb Scholarship | Van Hooser, Ed Scholarship Fund |
| Bohannon, Sallie Draper Scholarship | Gainer, JM Scholarship Fund | Neely, Shannon Christian Example Scholarship Award | Wagner, Kristina Memorial Scholarship |
| Boone, Pat/Shirley Scholarship | Gamble, Charles (Chuck) Ray Jr. Scholarship Fund | Neil, David Scholarship — Athletic | Walker, Bradley Scholarship |
| Boyce, Fessor Tennis Scholarship | Gann, Richard Scholarship Fund | Neil, Martha Walker and Robert G. Fine Arts Scholarship Fund | Walker, D. Ellis/Eloise Scholarship |
| Boyd/Byers Scholarship for Varsity Athletics | Garrett, Marie Endowed Scholarship Fund | Nelson Grandchildren Scholarship Fund | Walker, Fred B. Scholarship |
| Boyd-Erwin Scholarship Fund | Gaw, Cleavis/Pearl Scholarship | Nelson, Byron Golf Scholarship | Walker, RC & Elizabeth Scholarship |
| Brackett, Joyce Educational Scholarship Fund | General PRF Scholarships | Nevis, Mary Scholarship Fund | Wallace, Raymond & Brownie Scholarship |
| Bradley Sr., Dr./Mrs. Donald Scholarship | General Scholarship Fund | North Central Alabama Scholarship Fund | Warbritton, Effie Scholarship |
| Bramlett, Kent Memorial Fund | Gentry, Bill & Treva Scholarship | North East Alabama Scholarship Fund | Wells, Alexander Kirkland Scholarship |
| Bredden, Kyle Scholarship Fund | Giles Morgan Carter Memorial Scholarship | North, Ira Scholarship Fund | Wessel, Joy Cojeen Scholarship Fund |
| Brewer, Barry Golf Scholarship | Goetz/Goodpasture Scholarship Fund | Northside church of Christ Scholarship Fund | West End Church of Christ Auditorium Class Scholarship |
| Brewer, Charles R. Memorial Scholarship/Preaching | Golden Circle Scholarship Fund | Nowers, Sue Scholarship Fund | West Meade church of Christ Scholarship |
| Bromley, Sarah W. Scholarship | Graves, George Scholarship | O'Neal, C. H. & Nell Scholarship | Wheeler, Delilah Willis Scholarship |
| Brothers & Wiser Scholarship | Graves, Sherrye Marie Scholarship | Outlier, Edmond Encouragement Award | Wheeler, IH Jr. Scholarship Fund |
| Brumit, Alton/Rachel Scholarship | Graves, John A. Scholarship Fund | Oz, Robert Scholarship for Preachers | Whitfield, Thomas/Kathleen Scholarship |
| Bryan, Ralph E. Scholarship Fund | Graves, John P. Scholarship Fund | Paul, Josephine Scholarship | Whitley, Edith Rucker History Scholarship |
| Burford, W./Lorene S. Hooper Business Scholarship | Graves, Opel M. Scholarship Fund | Peach, Patsy Faye Welch and Edward Lynn Memorial Scholarship Fund | Wilder, William A. Golf Scholarship |
| Burford, W./Lorene S. Hooper Chemistry Scholarship | Grayson, Gertrude/MG Scholarship | Perry, Linda Mims Scholarship | Williams, Augusta Scholarship Fund |
| Burford, W./Lorene S. Hooper History Scholarship | Greene, Angie Memorial Scholarship | Perry, Will Servant Leadership Scholarship | Willingham, Ron Scholarship |
| Burton, Lillie Armstrong Scholarship | Griffith, Lynn & Dianne Athletics Scholarship Fund | Peugeot, Richard & Mary Ann Engineering Scholarship | Winters, Scott Scholarship Fund |
| Burton/Keeble Scholarship | Hardaway, Della H. Scholarship | Peugeot, Walter & Elizabeth Scholarship for Preaching | Woodroof, Margrette R. Scholarship |
| Butler, Martha Ellen Scholarship | Hardison, Catherine & J O Scholarship | Philippine Ministry Scholarship | Wright Scholarship Fund |
| Button, Elizabeth & James Memorial Scholarship | Harris, George/Frances Scholarship | Pickett, Marvin Gray Scholarship Fund | Wright, Edith L. Scholarship |
| Byers, James R. Scholarship | Harvey, Kendal Kevin Scholarship Fund | Pigg, Jody L. Accounting Major Scholarship | Yeager, Robert G./Kathryn S. Scholarship |
| Carol Lynn Hall Memorial Scholarship | Hayes, Thomas and Linda P. Endowed Scholarship Fund | Porter, Judith C. Women's Scholarship | Yorkwood Scholarship Fund |
| Carter, Margaret Home Economic Scholarship | Hazelip, Woodrow & Pauline Endowed Scholarship Fund | Poulsen, Elizabeth Walters Scholarship Fund | Zink, Stanley Scholarship Fund |
| Carter, J. Howard Scholarship | Hester, Foy B. and Lorene E. Scholarship | | |
| Carter, Lois Scholarship Fund | Hillin, Katie Scholarship Fund | | |
| Carter, Wilford Newton and Clara McDaniel Scholarship Fund | Holder, James and Nell Scholarship Fund | | |
| Carvell, Mr. and Mrs. G.F. Memorial Preaching Scholarship | Holley, Bobbie Lee Gault Scholarship Fund | | |
| Chumley, Mildred Roger Memorial Scholarship | | | |
| Chunn, Gladys Scholarship Fund | | | |
| Clark, Joe/Mildred Scholarship Fund | | | |

Scholarship Load Requirements (Credit load does not include audited courses.)

1. Scholarship load requirements for TRADITIONAL UNDERGRADUATES are as follows:
During Fall and Spring semesters a load of 12 or more hours is required for full scholarship credit. Percentage-based tuition discounts require 12 hours for full credit as well. No scholarships are available for loads of fewer than 12 hours.
2. Exceptions do exist for regular undergraduates.
 - A. Last semester seniors may request a load exception for non-performance merit awards for less than 12 hours IF they do not begin the semester with more than 132 cumulative hours. Scholarships will be prorated based on the number of hours of enrollment.
 - B. Load requirements for the Study Abroad programs are slightly different. Generally, a load of 9 or more hours is required for scholarship credit. Institutional aid is not available for a CCCU-sponsored trip.
 - C. Scholarship credit during the summer semester is based on different load requirements. These requirements are announced at the beginning of the spring term.
3. Load requirements for SPECIAL PROGRAMS are slightly different. Special programs consist of Graduate Bible, Graduate Business, Graduate Education, and Adult Degree Programs. Nine or more hours are required for scholarship credit. Scholarship credit during the summer semester is based on different load requirements.
4. Load requirements for PERFORMANCE SCHOLARSHIPS are determined by the appropriate department based on departmental guidelines. Questions regarding load requirements for Performance Scholarships should be directed to the academic chair or director.

Scholarship Renewal Requirements (for undergraduate courses)

1. Institutional aid is renewable for the stated duration period, provided that merit aid is still merited and that need aid is still needed.
 - A. Academic and performance scholarships require varying levels of performance quality.
 - B. Need-based aid requires an annual demonstration of need which is determined by filing yearly a Free Application for Federal Student Aid (FAFSA). File this form by February 15.
2. Renewal requirements vary among the funds.
 - A. Academic scholarships (including Presidential, Provost, Bison Achievement, and Transfer) require a cumulative 3.0 or better GPA for renewal. Trustee and National Merit require a 3.25 or better.

NOTE: For freshmen, GPA is evaluated after the semester in which 24 hours have been attempted or two semesters, whichever comes first. No review is made of first-time freshmen after their first semester. For transfer students, GPA is evaluated after the first semester.

- B. Vision Awards require a cumulative GPA of 2.0 or better and a current FAFSA.
 - C. "Memorial Scholarships" is a category applied to several hundred funds with individual stipulations. They share some requirements:
 - A yearly FAFSA filing
 - A cumulative overall GPA of 2.0 or better
 - GPA evaluation according to the NOTE in 2A
 - A yearly thank you note
 - D. A Tuition Discount is given in varying percentages to students whose parent(s) work(s) full-time as a youth minister, a foreign missionary, or as a teacher/administrator in a National Christian School Association member school. This tuition grant in conjunction with any academic scholarship cannot exceed up to 50% of tuition and students are required to live on campus. NOTE: If the awarded academic is greater than the 50% of tuition limit, the student may choose the academic over the discount. A full load of 12 hours is required to receive the discount. Go to www.lipscomb.edu for specific requirements.
 - The parent(s) must provide written confirmation of employment each year.
 - E. A minimum base grant of \$5,000 in institutional aid is available to the children of full-time ministers of the Church of Christ. To qualify, the ministry must be the full-time and primary paid vocation of at least one parent. NOTE: If the awarded academic is greater than \$5,000, the student may choose the academic over the grant. A full load of 12 hours is required to receive the grant. Go to www.lipscomb.edu for specific requirements.
 - The parent(s) must provide written confirmation of employment each year.
 - F. Students with academic scholarships accepted into the Lipscomb/Vanderbilt Nursing program are eligible to receive an Academic Scholarship Award sponsored by Vanderbilt during the semesters that they are enrolled in class work at Vanderbilt University. Other non-federal aid (including athletics, departmental, memorial, tuition discounts, etc) is not available for use while enrolled in the program.
 - G. Performance Scholarships have minimum requirements of a cumulative GPA of 2.0 or better and usually a current FAFSA. However, additional requirements may be imposed by individual departments based upon departmental guidelines or other applicable criteria (i.e. NCAA guidelines). Questions regarding renewal requirements for Performance Scholarships should be directed to the academic chair or director.
3. All institutional scholarships and grants are canceled (generally in the next semester) if a student is placed on a probation of any kind. After the probation is removed, request for reinstatement must be made via the form "Scholarship: Request for Reinstatement." The form must be date-stamped into the Financial Aid Office by last day to drop classes with a partial refund. Late requests will be deferred until the next semester.
 4. GPA evaluations consider only graduation credit earned at Lipscomb and occur only at the end of fall, spring, and summer terms.
 5. Students accepted into the College of Pharmacy are no longer eligible for undergraduate scholarships and tuition discounts.

Scholarship Duration Requirements (for undergraduate courses)

1. Institutional funds are effective beginning the first semester of enrollment or the specified semester when granted. For most

- programs, funds are renewable to a maximum of four years, eight semesters, or 132 attempted hours.
2. Extensions are considered under certain circumstances. For consideration, file a "Scholarship Special Request Form" with the Financial Aid Office. Extensions are considered based on the following:
 - A. Students enrolled in the Lipscomb Joint BBA/Master of Accountancy (MAcc) program receive an automatic extension since the program requires 150 hours.
 - B. Double majors, double minors, and major and/or minor changes are not considered legitimate reasons for a scholarship extension.
 - C. Requests for extensions must be filed two weeks prior to the semester in which they take effect.
 3. During the extension period, two conditions exist:
 - A. Crediting will be according to normal load requirements.
 - B. Loads will be determined solely by courses required for graduation.
 4. Duration requirements for PERFORMANCE SCHOLARSHIPS are determined by the appropriate department based upon departmental guidelines. Questions regarding duration requirements for Performance Scholarships should be directed to the academic chair or director.

Memorial Loans Which Must Be Repaid

The Mr. and Mrs. E. L. Joiner Memorial Loan Fund. An interested group of donors has established the Mr. and Mrs. E. L. Joiner Memorial Loan Fund for providing loans to worthy and qualified students.

The A. Direll Pigg Ministers Educational Loan Fund. A sum of money was donated by Mr. A. D. Pigg of Indiana to establish the A. Direll Pigg Ministers Educational Loan Fund. This fund makes loans to qualified young men who plan to spend their lives preaching the gospel of Christ.

The Chester K. Hart Loan Fund. Mrs. Eugenia Hart Brown, in her will, established a loan fund in honor of her brother, Judge Chester K. Hart, for worthy and qualified students who have applied and been rejected for all federal and state aid.

The Teaching of Jesus Fund. Mrs. Brookie M. Steele established this loan fund for the purpose of assisting with the education of young people enrolled in the study of preaching the gospel.

Need-Based Financial Aid

Aid is available in several forms: grants, loans, and work. Most of these are based on need, and need is determined by filing a Free Application for Federal Student Aid (FAFSA). The preferred filing method is electronically at www.fafsa.ed.gov. As a result of filing the FAFSA, the filer is sent a Student Aid Report (SAR). The university electronically receives a similar report from the federal processor.

The FAFSA should be submitted by February 15. It can be submitted later, but failure to meet this filing date may affect the availability of some funds.

Need for all students is determined as follows:

$$\begin{array}{r} \text{Direct Cost} \quad (\text{Tuition, room/board}) \\ - \text{EFC} \quad (\text{Expected family contribution}) \\ \hline = \text{Need} \end{array}$$

Lipscomb University reserves the right to adjust any award because of changes in financial or enrollment status or if the student receives additional outside aid. Most awards are calculated on the basis of living on campus. **Moving off campus may result in an adjustment of the award.** Recipients of financial aid are required to inform Financial Aid of any outside resources such as scholarships, loans, grants, etc., awarded to them by any source other than Lipscomb University. Failure to do so may result in the reduction or cancellation of assistance at a later date. Any commitment of government funds is contingent upon congressional appropriations and Lipscomb's receipt of those funds.

Federal and State Grants

Federal Pell Grant. This federal grant is for qualifying students who have not earned a baccalaureate degree and who demonstrate a significant degree of need. Since it is a grant, it does not have to be repaid. There is no limit on the number of qualifiers for these funds. Funds are credited to a student's account each term the student is eligible for a grant. Full Pell grant awarding requires a student to enroll in at least 12 hours a semester.

Federal Supplemental Educational Opportunity Grants (FSEOG). Priority for this grant is given to Federal Pell Grant recipients. Funds are credited to a student's account each term the student is eligible for the grant.

National SMART Grant. This federal grant is awarded to full-time year three and year four college students who are Federal Pell Grant recipients. The student must be enrolled in an eligible math or science major and have a GPA of 3.0 or higher.

Academic Competitiveness Grant (ACG). This federal grant is awarded to full-time, year one and year two college students who are Federal Pell Grant recipients. Students must have completed a "rigorous" high school program.

Tennessee Student Assistance Award. Any Tennessee resident who is enrolled or will be enrolled as an undergraduate student may apply by filing a FAFSA. These state funds are also designated for students with the greatest need.

Tennessee Education Lottery Scholarship Program (TELS). The TELS program is funded by lottery revenues and administered by TSAC. Applicants must be a graduate of a Tennessee high school and plan to attend a Tennessee college/university. Specific requirements can be found at www.state.tn.us/tsac.

Loan Funds

Federal Perkins Loan. This loan is available to students who are at least half-time and who show significant need. An undergraduate student may borrow up to \$4,000 per year to a total of \$20,000. The repayment period and the interest do not begin until 9 months after the student ends his/her studies. The loan bears interest at the rate of 5 percent, and repayment of principal, at a minimum of \$40 per month, may be extended up to 10 years. A limited amount of funding is available. A promissory note and a

federal Perkins loan pre-loan information sheet must be signed before funds can be credited to a student's account.

Federal Stafford Loan. A borrower must be enrolled or accepted for enrollment for at least six semester hours and must be working toward a degree or certificate. For 3-hour terms in one semester, loans will not credit to a student's account until total registration equals six hours. Loan applications must be submitted electronically to the Financial Aid Office by May 1 (for upperclassmen) and June 1 (for first-time freshmen) in order to receive the funds and become official by fall registration. A federally mandated entrance interview form must also be completed. Loans will not be credited to accounts until 30 days after classes begin.

Federal PLUS. This loan is for parents who need funds to help subsidize their child's education. PLUS loans are also now available to graduate students. Loan applications should be submitted by June 1.

Pickett and Hatcher Educational Fund, Inc. The Pickett and Hatcher Educational Fund, Inc., is a nonprofit, noncommercial educational trust fund created to assist full-time undergraduate students in fields of study other than law, medicine, or the ministry. Low interest loans with deferred payments are made to qualified residents of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, or Virginia. The deadline for submitting applications is May 15. For information and application forms write to: Pickett and Hatcher Educational Fund, Inc., Post Office Box 8169, Columbus, Georgia 31908-8169, phone 706-327-6586 (www.pickettandhatcher.org).

Part-time Work

Federal Work-Study Program. Work-study is awarded on the basis of need, therefore requiring the filing of a FAFSA. The awarding of work-study does not guarantee a job, but it does give the recipient priority consideration for work on campus.

Campus Work Program (non-federal funds). In addition to the Federal Work-Study Program, Lipscomb offers employment to a limited number of other students.

Veterans Benefits

Degree programs at Lipscomb University are approved by the state-approving agency for the training of veterans and eligible persons under laws administered by the U.S. Department of Veterans Affairs.

Yellow Ribbon Program. Through an agreement with the United States Department of Veteran Affairs, Lipscomb University will guarantee free tuition to undergraduate students who qualify for the Yellow Ribbon Program. The Yellow Ribbon GI Education Enhancement Program (Yellow Ribbon Program) is a provision of the Post-9/11 Veterans Educational Assistance Act of 2008. This program allows institutions of higher learning (degree granting institutions) in the United States to voluntarily enter into an agreement with VA to fund tuition expenses. For eligibility requirements, go to <http://veterans.lipscomb.edu> or http://www.gibill.va.gov/gi_bill_info/ch33/yellow_ribbon.htm.

Any questions concerning eligibility or benefits should be directed to the Veterans Liaison or the Registrar's Office.

Return of Federal Title IV Funds

In the event a student withdraws, drops out, or is expelled from the university prior to the end of a semester of enrollment, the university will determine if the student must return any Title IV funds, even if the funds have already been credited in full to the student's account.

Federal regulations stipulate how the return of Title IV Funds is calculated for a student who has received financial assistance from any of the Federal Title IV programs. The return must be allocated in the following order and returned to the appropriate program(s):

1. Unsubsidized Federal Stafford Loan
2. Subsidized Federal Stafford Loan
3. Federal Perkins Loan
4. Federal Plus Loan
5. Federal Pell Grant
6. Federal SEOG
7. Other Title IV Aid Programs

Once a student's withdrawal date has been established, the return of funds will be determined by the Financial Aid Office under federal regulations. There are no special procedures required of the student to complete the return process.

Financial Aid Probation/Loss/Reinstatement

Federal Aid. Students whose Lipscomb cumulative grade point average falls below a "C" (2.0) will be placed on federal financial aid probation for one semester. (Some exceptions apply, see "Satisfactory Progress" below.) Students whose Lipscomb cumulative grade point average falls below a "C" (2.0) for two consecutive semesters, and are therefore continued on academic probation, will become ineligible to receive federal financial assistance. If a student is suspended for any semester and then provisionally reinstated to the University on probation, federal financial assistance will not be reinstated until the student's Lipscomb cumulative grade point average is at or above 2.0.

Academic Scholarships. Students with academic scholarships whose Lipscomb cumulative grade point average falls below a "B" (3.0) will lose their academic scholarships in the next semester of enrollment (current first-semester freshmen are exempt from GPA review). Students may reapply for their academic scholarships once they restore their eligibility (a Lipscomb cumulative GPA of 3.0). Requests for restoration must be date-stamped into the Financial Aid Office by the "Last Day to Drop Classes with Partial Refund" date as listed on the official calendar each semester. Late requests will be deferred until the following semester.

Other Institutional Aid. Students whose Lipscomb cumulative grade point average falls below a "C" (2.0) will lose all institutional aid in the next semester of enrollment. Current freshmen on Academic Warning will not lose institutional aid. Exceptions to this policy may be granted at the discretion of the Associate Provost for Student Academic Support. Institutional aid will not be reinstated until the cumulative grade point average is at or above 2.0. Requests must be submitted in writing to the Financial Aid Office for reinstatement by the "Last Day to Drop Classes with Partial Refund" date as listed on the official calendar each semester.

Financial Assistance for Students on Disciplinary Probation. Eligibility for financial assistance provided from university resources is partially based upon a student's personal conduct and citizenship. Students who demonstrate behavior inconsistent with established University guidelines and policies for personal conduct, as outlined in the *Student Handbook*, will forfeit their institutional awards. Students who engage in illegal activities as defined by state and federal law will forfeit all financial assistance immediately, even if charges are not formally filed against the student.

Satisfactory Progress to Maintain Federal Financial Aid

To qualify for continuing federal financial aid at Lipscomb University a student must show “satisfactory progress” in his/her academic work. The conditions required for “satisfactory progress” are different from the conditions required for “good standing.” Any student is considered to be in “good standing” provided the student is eligible for readmission to the next academic semester at the university.

To maintain the status of “satisfactory progress” a student must meet the following conditions:

1. Maximum time frame: Students MUST be making cumulative progress toward graduation within the following time frame.
 - FULL-TIME students—a maximum of five years.
 - PART-TIME students—a maximum of six years.
2. Hours attempted and/or completed:
 - a. A student who has attempted less than 30 semester hours of work must have earned credit in 60% of the hours attempted.
 - b. A student who has attempted 30 or more hours must have earned credit in 75% of the hours attempted.
 - c. A student who has completed 60 or more hours must also have a cumulative grade-point average of 2.0 or better.
3. Evaluation to determine satisfactory progress will be made at the end of each academic semester. Students failing to meet the requirements listed will be given one semester of “federal financial aid probation,” during which they will receive regular federal financial assistance in order to reestablish satisfactory progress.
 - a. A student placed on federal financial aid probation who has completed less than 60 hours may reestablish a record of satisfactory progress by (1) passing at least 12 hours of work during the semester of federal financial aid probation, or (2) passing 60% of the hours attempted during the semester of federal financial probation.
 - b. A student on federal financial aid probation who has completed 60 or more hours may reestablish a record of satisfactory progress by bringing his/her cumulative grade-point average to 2.0 or better.
4. Withdrawals, grades of “incomplete,” courses which are repeated, and noncredit coursework affect the determination of the student’s progress as follows:
 - a. Withdrawals are not used as hours attempted/earned.
 - b. Grades of “incomplete” are calculated as F’s in the cumulative grade-point average (until the grade is made up) and hours are used in the attempted/earned calculation.
 - c. Courses which are repeated are not used in hours attempted or figured in the cumulative grade-point average.
 - d. Non-credit remedial coursework is calculated in hours attempted/earned and in the cumulative grade-point average.
5. A student who loses federal financial aid support can reestablish satisfactory progress by meeting the conditions stated above. After reestablishing satisfactory progress the student may reapply for financial aid. Such reapplication can be considered only if financial aid funds are still available.
6. Beyond academic requirements, in accepting financial aid the student incurs an ethical responsibility to observe the University Code of Conduct and fulfill his or her contractual financial obligations.

Student Consumer Rights and Responsibilities

Education after high school costs you time, money and effort. It is a big investment, and as a student and a consumer, you should carefully evaluate the education or training you are considering. To help you make a good choice, you should have information on a school’s academic program, facilities, dropout rates, full cost of attendance, refund policy, financial aid programs, and any other information you think will help you to make a decision.

STUDENT RIGHTS

You have the right to ask a school:

1. What financial assistance is available, including information on all federal, state, and institutional financial aid programs.
2. What the deadlines are for submitting applications for each of the financial aid programs available.
3. What is its cost of attendance, and what are its policies on refunds to students who drop out.
4. What criteria it uses to select financial aid recipients.
5. How it determines your financial need. This process includes how costs for tuition and fees, room and board, travel, books and supplies, and personal and miscellaneous expenses are considered in your budget.
6. What resources (such as parental contribution, other financial aid, your assets, etc.) are considered in the calculation of your need.
7. How much of your financial need, as determined by the institution, has been met.
8. To explain the various programs in your student aid package. If you believe you have been treated unfairly, you may request reconsideration of the award which was made to you.
9. What portion of the financial aid you receive must be repaid, and what portion is grant aid. If the aid is a loan, you have the right to know what the interest rate is, the total amount that must be repaid, the payback procedures, the length of time you have to repay the loan, and when repayment is to begin.
10. How the school determines whether you are making satisfactory progress, and what happens if you are not.

STUDENT RESPONSIBILITIES

It is your responsibility to:

1. Review and consider all information about a school's program before you enroll.
2. Pay special attention to your application for student financial aid, complete it accurately, and submit it on time to the right place. Errors can delay your receiving financial aid. Intentional misreporting of information on application forms for federal financial aid is a violation of law and is considered a criminal offense subject to penalties under the U.S. Criminal Code.
3. Submit all additional documentation, verification, corrections, and/or new information requested by either the Financial Aid Office or the agency to which you submitted your application.
4. Read and understand all forms you are asked to sign and keep copies of them.
5. Accept responsibility for all agreements you sign.
6. If you have a loan, notify the lender of changes in your name, address, or school status.
7. Perform in a satisfactory manner the work that is agreed upon in accepting a Federal Work-Study award.
8. Know and comply with the deadlines for application or reapplication for aid.
9. Know and comply with your school's refund procedures.
10. All students who have received a loan must report at the time of withdrawal, transfer, or graduation to the Financial Aid Office for an exit interview

For further information on scholarships or financial aid, call or write: Financial Aid Office, Lipscomb University, One University Park Drive, Nashville, Tennessee 37204-3951. In the Nashville area, call 615-966-1791, or from outside the area, toll-free 1-800-333-4358, ext. 1791 or visit us on the web at www.lipscomb.edu.



Students enjoy a stroll through campus on a warm fall day.

The Academic Program

Lipscomb University is a Christian liberal arts institution that offers degrees at the baccalaureate, masters, and doctoral levels. At the baccalaureate level, Lipscomb offers the Bachelor of Arts degree (available in 78 academic programs), the Bachelor of Business Administration degree, the Bachelor of Science degree (available in 61 academic programs), the Bachelor of Fine Arts degree, the Bachelor of Music in Music Education degree, the Bachelor of Science in Nursing degree, and the Bachelor of Social Work degree. At the graduate level, the following degrees are offered: Master of Accountancy, Master of Arts (Conflict Management, Learning and Teaching, Special Education), Master of Arts in Christian Ministry, Master of Arts in Teaching (English Language Learners), Master of Business Administration (concentrations in accounting, conflict management, financial services, healthcare management, leadership, nonprofit management, sports management, sustainability, or a distributed option), Master of Divinity, Master of Education (Teaching, Learning, and Leading; Educational Leadership; Instructional Technology; Math Specialty), Master of Human Resources, Master of Science (Professional Counseling, Psychology, Exercise and Nutrition Science, Sustainability), Master of Theological Studies, Doctor of Education, and Doctor of Pharmacy. Lipscomb University also awards the following Certificates of Graduate Study: Conflict Management, Counseling Psychology, Professional Accountancy, and Sustainability. These certificates do not imply professional certification but are intended to strengthen students' qualifications and professional portfolios in specific areas.

Students interested in graduate degrees should contact the respective program director or consult the graduate catalog for more information. All undergraduate degree programs are described in this catalog.

The university is dedicated to providing a broad liberal arts program which is both challenging and sound. An ideal of the university is to have the best students studying under the best teachers in the best possible Christian environment.

There are five essential parts to the academic program: (1) the Bible requirement, (2) the general education requirement, (3) the major area of study, (4) the minor area of study, and (5) electives. These five parts are discussed in the following paragraphs.

Bible Requirement

The study of the Bible is integral to a Lipscomb education. Although abundant opportunities for further study are available, all Lipscomb students examine the Bible's overall message and the life to which it calls believers. Many students will be able to take one or more courses that specifically address the implications of Christian faith for their chosen field of study.

The General Education Bible requirement consists of the following six courses: BI 1073 (The Story of Jesus), BI 1083 (The Story of the Church), and BI 1093 (The Story of Israel); one from the following three: BI 3213 (Faith and Culture), BI 3433 (Disciplines for Christian Living), or BI 4213 (Biblical Ethics); plus two electives. Students who come to Lipscomb with little exposure to the Bible may choose to take BI 1003 (Introduction to the Bible and Christianity) before beginning the sequence above. If a student chooses this option, BI 1003 will count as one of the two elective Bible classes.

Important Note: BI 1073, 1083, and 1093 are prerequisites for all other Bible courses (except BI 1003 and selected Bible major courses). These three courses must be taken in a student's first three semesters at Lipscomb (excluding Wintermester, Maymester, and Summer).

Transfer Students

Transfer students seeking a Lipscomb degree must satisfy the Bible requirement based on the number of hours they will eventually earn at Lipscomb, as specified below:

Transfers who will earn 33-59 credit hours at Lipscomb must complete two Bible courses: BI 1073 and 1083.

Transfers who will earn 60-79 credit hours at Lipscomb must complete three Bible courses: BI 1073, 1083, and 1093.

Transfers who will earn 80-99 credit hours at Lipscomb must complete four Bible courses: BI 1073, 1083, 1093, and either BI 3213, 3433, or 4213.

Transfers who will earn 100 or more credit hours at Lipscomb must complete the full Bible requirement, as described above.

The General Education Requirement

The general education program at Lipscomb University is designed to provide students with a significant and broad educational foundation in a Christian setting. The program is planned to equip students with core competencies (writing, communication, mathematics, and physical education) and introductions to major disciplines (the sciences, the social sciences, history, and the fine arts). Students pursuing the Bachelor of Arts degree will also be required to complete additional hours in a foreign language; those pursuing the Bachelor of Science degree will be required to complete additional hours in mathematics and/or science.

The specific requirements for completing general education requirements are as follows:

1. Bible 6 courses
All Adult Degree Program students must complete the following:
Bible 1053, 1063
All traditional students must complete the following:
Bible 1073, 1083, 1093, plus one of the following: 3213, 3433, 4213 (unless a substitute is listed within the student's major)
2. Lipscomb Seminar Total semester hours required—3
3. Communication Total semester hours required—6
All students must complete: English 1123 and Communication 1003.
4. Humanities Total semester hours required—6
Areas: Art Appreciation, Introduction to the Theater, Great Speakers, Literature, Music Appreciation, Philosophy, Humanities 2013. Two areas are to be represented including one literature course.
5. Mathematics Total semester hours required—3
6. Science Total semester hours required—6
Areas: Each student must have a course in a biological science (Biology) and a physical science (Astronomy,

Chemistry or Physics), one of which must include a laboratory. Students may also satisfy this requirement through completion of the Integrated Science sequence: SCI 1003, 1013. EV1013 and SUST 2013 are suggested for Business majors.

7. History and Social Science.....Total semester hours required—6
Areas: Economics, History (only 1000-level courses, 2213 or 2223 or HU 2003), Law, Justice & Society (LJS 2103), Political Science, Psychology, Sociology. Two areas are to be represented including at least 3 hours of history. B.B.A. majors will take Economic 2503 to meet the social science requirement (see pg. 139)
8. Physical Education (two different activity courses).....Total semester hours required—2
9. Information Technology Proficiency0
All students must demonstrate proficiency in the use of elementary computer application software and knowledge of basic computer concepts. This requirement is satisfied by achieving a passing score on the information technology proficiency test. Details of the testing process are on the Department of Computing and Information Technology website: <http://cis.lipscomb.edu> and click on the IT Literacy Requirement hyperlink.
10. SALT (Serving and Learning Together)2 service learning experiences
No more than one experience can come from Tier I. At least one experience must come from Tier II or Tier III. More information is available on the graduation requirement: pages 28 and 29.
11. Additional hours for the Bachelor of Arts, the Bachelor of Business Administration and Bachelor of Science degrees:
Bachelor of Arts: Candidates for the Bachelor of Arts degree must complete ten semester hours of a single foreign language. (For proper scheduling, it should be taken no later than the sophomore year.)

Bachelor of Business Administration: Candidates for the Bachelor of Business Administration must complete six additional semester hours outside the College of Business, above the minimum general education requirements.

Bachelor of Science: Candidates for the Bachelor of Science degree or the Bachelor of Science in Nursing Degree must complete a total of 15 semester hours of mathematics and/or science. Courses may be chosen from the following areas: Biology, Chemistry, Computer Science, Information Technology, Mathematics, Physics, and Engineering.

- NOTES:
- a. Any student who has developed competence in any of the above areas may achieve credit by examination—CBAPE, CLEP, or course examination—by taking the examination prior to taking a college course in the same area of study.
 - b. Transfer students who have completed an associate’s degree at an accredited college should be able to meet most of the requirements listed in two through eight above, but this must be determined on a course-by-course basis. Tennessee Board of Regents transfer students: see page 7 for information regarding the transfer of general education credits.
 - c. Teacher education students should see the Office of Teacher Education for special requirements in general education.

The Major Area of Study

All candidates for a degree at Lipscomb University must complete a major as a part of their academic program. Requirements for these majors are prepared by the department involved and are approved by the appropriate college and by the Academic Leadership Team.

Requirements for majors are listed within the departmental section of this catalog beginning on page 45. For the page number of a specific major, check the index. Majors offered include: Accounting, American Studies, Art (Concentrations in: Graphic and Studio), Art Therapy, Biochemistry (Emphases in Biology and Chemistry), Biochemistry-Applied, Biology, Biology Teaching, Biomedical Physics, Chemistry-Applied, Chemistry-Professional, Chemistry Teaching, Civil Engineering, Computer Engineering, Computer Science, Dietetics, Electrical and Computer Engineering, English, English Teaching, Environmental Science, Exercise Science, Family and Consumer Sciences (Concentrations in: Consumer Sciences, Family Relations, Fashion Merchandising, Food Systems Management, and Textiles and Apparel), Financial Management, Financial Markets, French, French Teaching, General Studies: Interdisciplinary Non-Teaching, General Studies: Interdisciplinary Teaching, German, German Teaching, Government and Public Administration, Graphic Design, Health and Physical Education Teaching, History, History Teaching, History-Communication, Information and Technology Management, Information Technology Applications, Journalism and New Media, Law, Justice & Society (Emphases in Commerce and Industry, Conflict Management, Law and Ethics, Social Change), Management (Concentrations in Corporate Management, International Business, Human Resource Management, and Sustainability Management), Marketing, Marketing-Graphic Arts, Mathematics-Applied, Mathematics-Regular, Mathematics-Teaching, Mechanical Engineering, Molecular Biology, Music (Emphases in Instrumental Performance, Vocal Performance, Piano Performance, or Theory/Composition), Music Education (Instrumental or Vocal/General Music), Nursing, Nutrition, Organizational Communication and Public Relations, Philosophy, Physics, Physics Teaching, Political Science, Political Science-Communication, Psychology, Public Communication and Leadership, Social Work, Spanish, Spanish Teaching, Studio Art, Sustainability, Theater-B.F.A. (track emphases in Acting, Directing, Design/Tech, Musical Theater), Theater-B.A., Theater Ministry, Theater Teaching, Theology and Ministry (Concentrations in: Biblical Languages, Children’s Ministry, Missions, Preaching, and Youth Ministry, as well as a Vocational Ministry major and an interdisciplinary Worship Ministry major), Urban Studies, Visual Arts Administration, Visual Arts Teaching, Web Applications Development.

A grade-point average of 2.0 must be maintained on all Lipscomb courses required for the major. Transfer work to be counted toward a major must be accepted by the Registrar’s Office and approved by the academic chair or dean involved. At least three courses (minimum of nine hours) in the major field must be taken at Lipscomb. An accounting degree requires that at least four courses (minimum of twelve hours) in accounting must be taken at Lipscomb. Refer to each department section for the specific courses required.

Students should choose their major area of study as early as possible. The major must be chosen and “declared” by filing the Major-Minor form in the Registrar’s Office when 57 hours have been earned. (Students will normally not be allowed to register for further work until the Major-Minor form is properly filed.) Some departments have prepared summary lists of all requirements for the different majors within each department. Students should contact the academic chair involved as soon as a possible major is selected.

Curricular details of any specific student's major must be finalized under the direction of the particular office or department to which that major has been assigned. This normally takes place when the major-minor form is completed and officially filed in the Registrar's Office.

In the case of a General Studies Interdisciplinary Non-teaching major, final details must be approved by the Director of Teacher Education and the Registrar.

The Minor Area of Study

In addition to the major area of study described above, each student must complete one of the minors listed below. A student may elect to meet the requirements of two majors in lieu of a minor. (All teaching majors including K-6 Interdisciplinary, Art, Music, Theater, Health and Physical Education, Spanish, French, German, English, History, Math, Biology, Chemistry and Physics have a built-in minor in the social sciences and professional education.) The requirements for these minors are prepared by the department involved and are approved by the appropriate college and by the Academic Leadership Team.

Requirements for minors are listed within the departmental section of this catalog beginning on page 45. For the page number of a specific minor, check the index. Minors offered include: Accounting, Applied Ethics, Art, Art History, Bible, Biblical Languages, Biology, Chemistry, Coaching, Communication, Computer Science, Criminal Justice, Economics, Education (no certification), Engineering Science, English, Environmental Science, Ethics, Exercise Science, Family and Consumer Sciences, Family Studies, Fashion Merchandising, Finance and General Finance, Foods, Foreign Language Distributive, French, General Business, German, Graphic Design, Greek, Health, Hebrew, History, History of Ideas, Human Resources, Information Technology, Information Technology Management, Interior Design, International Business, International Studies, Journalism and New Media, Law, Justice & Society, Leadership, Management, Marketing, Mathematics—Pure or Applied, Missions, Music—General, Musical Theater, Nutrition, Organizational Communication and Public Relations, Philosophy, Physics, Political Science, Psychology, Public Communication and Leadership, Social Welfare, Sociology, Spanish, Sustainability, Theater, Web Design, and Worship Ministry.

In lieu of one of the minors listed above, students may elect to create their own minor (under the direction of the academic chair of their major field). This *diversified* minor is composed of 18 approved hours of additional 3000 and/or 4000 level courses *outside the student's major field of study*. (Other regulations applicable to traditional minors also apply.)

A grade-point average of 2.0 must be maintained in all Lipscomb courses required for the minor. Transfer work to be counted toward a minor must be accepted by the Registrar's Office and approved by the academic chair involved. At least two courses (minimum of six hours) in the minor field must be taken at Lipscomb.

Students taking a major and a minor from the same department must complete all requirements as listed in the catalog for the major and the minor. Since some courses may be required in both the major and the minor, there must be at least 30 distinct hours in the major and at least 18 distinct hours in the minor with no overlap in these hours.

The requirements for the different minors given in this section are under the control of the academic departments involved. The final details for the student's chosen minor are to be arranged with the academic chair when the Major-Minor form is completed and officially filed in the Registrar's Office when 57 hours have been earned.

Electives

Each student must complete a minimum of 132 semester hours to be considered for graduation. Many of these hours will be specified by the Bible requirement, the general education requirement, the major requirement, and the minor requirement. The student is then free to choose courses from any departmental listing in this catalog to complete the requirements for graduation. Students are advised to consult with their academic advisor and possibly the academic chair involved to make sure they have all prerequisite requirements for any elective courses they choose.

Academic Advising

The mission of academic advising at Lipscomb is to assist students in making progress toward achieving their educational, career, and personal goals. Utilizing faculty and selected staff as academic advisors, the university seeks to support and promote intellectual and personal growth for students in a Christian community. Although the university will make available to its students a wide range of institutional and community resources, academic progress from entry into the university through graduation is ultimately the responsibility of each student. For information concerning academic advising, contact the Director of Academic Advising and Support Services.

GradMap has been created as a degree audit tool for the student and advisor to run online at my Lipscomb to track progress toward graduation. To access GradMap, students should go to www.lipscomb.edu and click on myLipscomb; log in with their network username and password; click on the Student Resources tab; under Student Tools on the left, click on GradMap. Likewise, advisors should go to www.lipscomb.edu and click on myLipscomb; log in with their network username and password; click on the Faculty tab; under Faculty SSB Quick Links in the center, under Advisor Tools, click GradMap.

Three-Year Degree Plan

Lipscomb University offers a variety of options for completing a bachelor's degree, including the Three-Year Degree Plan. Graduating on the three-year fast track gives students a significant financial advantage and more time to pursue other academic interests or a career earlier. More than 40 of Lipscomb's major programs of study can be completed in three years, all with dedicated, interested faculty who will engage students in challenging, scholarly and faith-informed studies that will help them achieve their academic goals. Students participating in the Three-Year Degree Plan, who meet the program's criteria, qualify to receive a \$1,000 voucher that may be applied to tuition, room and board, or one of Lipscomb's global learning travel courses.

The Three-Year Degree Plan is a challenging academic endeavor and may require students to commit to a choice of major in the freshman year. *Students interested in pursuing the Three-Year Degree Plan should consult with their academic advisors each semester prior to scheduling any courses.* Academic advisors will be able to advise students on the courses to take in each semester to ensure that their course schedules fit the Three-Year Degree Plan. Advisors will also discuss with students whether the Three-Year Degree Plan is appropriate for the student and available for the students' desired major.

Students and academic advisors should consider the following factors as they discuss the option of the student's pursuit

of the Three-Year Degree Plan.

1. ACT/SAT score
2. High school grade point average and rank
3. Outside employment commitments
4. Recommended college credits to take within a semester
5. Lipscomb University grade point average
6. Academic commitment and motivation of the individual student

Because course scheduling is of utmost importance in successfully completing the Three-Year Degree Plan, freshman students admitted to Lipscomb in a semester other than the fall semester may find course scheduling a challenge under the Three-Year Degree Plan. This is because some majors may have required courses offered in a sequence that begins in the fall semester when the vast majority of freshman students enter the program. As such, in some majors, freshman admits in spring and summer may not be able to follow the Three-Year Degree Plan course schedule due to conflicts with these sequenced courses. However, academic advisors will work with students to accomplish the Three-Year Degree Plan where possible.

Students interested in pursuing the Three-Year Degree Plan should contact Rob Mossack, Director of Academic Advising, at AcademicAdvising@lipscomb.edu or 615-966-6297 for more information. Information about the Three-Year Degree Plan can also be found on the web at: <http://www.golipscomb.com/page.asp?Page=7402>

Information Technology Proficiency Requirement

In order that every university student will have a minimal proficiency in the use of information technology, Lipscomb has established the ITP requirement. The reason for the requirement is two-fold: (1) Current accreditation standards established by the SACS require that the university provide access to information technology as part of every student's learning experience, and (2) the establishment of the proficiency within the freshman year will meet the faculty's expectation that students can use the necessary software tools in classes at the sophomore level and above.

First-year students entering Lipscomb, including those transfer students with fewer than 95 earned credit hours, are required to demonstrate proficiency in the elementary use of computer application software and knowledge of basic computer concepts. The Information Technology Proficiency requirement must be completed during the first year of enrollment.

Students must satisfy this requirement by successfully completing the ITP test during the first semester of enrollment or IT 1000 during the second semester of enrollment at Lipscomb. Enrollment in IT 1000 will take place for the first term of second semester. Students who do not successfully complete the test on their first attempt take it a second time. **Students who do not successfully complete the test on the second attempt will be required to pass a non-credit course, IT 1000 (fee required), which will be graded on a pass/fail basis. Students who do not satisfactorily complete this requirement during their first year of enrollment (by passing either the ITP test or IT 1000) will be placed on ITP probation during their third semester of enrollment. If the requirement is not completed by the end of that semester, the student will be suspended from Lipscomb.**

For more information about the ITP requirement, contact Becky Tallon, director of the ITP program, at 615-966-5824 or via e-mail at Becky.Tallon@lipscomb.edu. There is also information on the Department of Computing and Information Technology website at <http://cit.lipscomb.edu>. Click on the ITP link.

The SALT Program: Serving and Learning Together

The SALT Program is a comprehensive plan to integrate service-learning into the educational experience of traditional undergraduate students at Lipscomb University. A strategy for developmentally enhancing student learning, the SALT Program allows students to connect their academic experience and spiritual development with significant engagement in the community.

Service-learning through the SALT Program is an academic enterprise in which a service activity acts as a vehicle or "textbook" for understanding an academic concept. In service-learning, the academic credit is given for learning, not for the service completed.

Because Lipscomb expects its students to engage in innovative and rigorous academic experiences and because of the shared belief that a Christ-like attitude calls for service to others, **traditional undergraduate students are expected to complete two service-learning experiences before graduation.** These experiences will contribute to the student's development academically, personally/spiritually, and civically.

Adult degree and second degree students are not subject to the SALT graduation requirement. Additionally, students enrolled at Lipscomb University **prior** to fall 2008 are not subject to the SALT graduation requirement.

The service-learning graduation requirement is intended to ensure that students participate in meaningful service-learning experiences. The requirement is flexible in that it can be accomplished by participating in SALT experiences in a variety of combinations. These experiences include SALT enhanced service days, academic courses, mission trips, internships or cooperatives. This chart displays the types of SALT experiences that students may participate in to satisfy the graduation requirement:

| Developmental level | SALT experience | Length of service engagement |
|---------------------|---|------------------------------|
| Tier I | SALT enhanced service days | 3-5 hours |
| Tier II | SALT enhanced university courses | 10-25 hours |
| Tier III | SALT enhanced mission trips, internships, SALT cooperatives, Federal Work Study Placement | 40+ hours |
| Tier IV | SALT capstone project (for SALT Scholars only) | 30+ hours |

To satisfy the graduation requirement, students will complete two SALT experiences. No more than one experience can come from Tier I. At least one experience must come from Tier II or Tier III.

Students interested in going beyond the basic service-learning graduation requirement will be given the opportunity to attain the distinction of SALT Scholar. The SALT Scholar is a student who has become an expert in service-learning in the context of

Lipscomb University, and whose investment in service-learning reflects a significant level of engagement. SALT Scholars will receive special distinction at graduation and on their academic transcript.

Transfer students entering Lipscomb University with more than 94 hours will be required to complete one SALT enhanced course, mission trip, internship or cooperative before graduation. Transfer students entering Lipscomb with less than 94 hours will be responsible for completing two SALT experiences. It may be possible to transfer credit for SALT experiences. Contact Christin Shatzer, Director of Service-Learning, for more information.

Students will learn about other SALT enhanced experiences through The SALT Center, campus-wide communication, the Student Missions office, through academic departments, the Career Development Center, Campus Life and the Federal Work Study Program. It is the student's responsibility to identify and complete two SALT experiences before graduating. Questions can be directed to Christin Shatzer, Director of Service-Learning at christin.shatzer@lipscomb.edu or 615-966-7225. More information is available at salt.lipscomb.edu.

These courses *may satisfy* the SALT Tier II requirement. Check the program website, salt.lipscomb.edu, and myLipscomb for officially designated SALT course offerings.

| | | | |
|---------|-----------|-----------|-----------|
| AC 390V | BI 470V | EN 4052 | LJS 4203 |
| AC 401V | BI 475V | EN 400V | LJS 4303 |
| AR 1813 | BI 477V | EN 419V | LU 1103 |
| AR 2323 | BI 479V | ENGR 3122 | MG 4403 |
| AR 3513 | BY 1003 | EX 4152 | MG 4453 |
| AR 3733 | CO 2153 | FS 3012 | NUTR 3603 |
| AR 419V | CO 3643 | FS 3213 | NUTR 3633 |
| AR 4943 | CO 3713 | FS 401V | PE 4502 |
| BA 3703 | CO 3843 | FS 404V | SCI 1003 |
| BA 4503 | CM 3214 | HI 2233 | SCI 1013 |
| BI 2313 | CSCI 4613 | HI 3253 | SW 1103 |
| BI 3213 | ED 3354 | IT 2053 | SW 3223 |
| BI 3433 | ED 3532 | IT 3023 | SW 4523 |
| BI 3513 | EN 3053 | LJS 3303 | TH 3413 |
| BI 4553 | EN 3143 | LJS 390V | |

Requirements for Graduation

This catalog is prepared as a comprehensive statement of the requirements for attendance and graduation at Lipscomb University. Students must meet all of the requirements covered in this catalog to qualify for graduation. While academic advisors are assigned to counsel students and help plan schedules, each student is ultimately responsible for monitoring his/her own progress and completing all requirements. The following list is only intended as a summary of general requirements.

- I. All candidates for a degree at Lipscomb University must complete a minimum of 132 semester hours of work with a minimum grade point average of 2.0 overall, 2.0 in the major, and 2.0 in the minor on all work taken at Lipscomb University. These 132 hours will include:
 - A. The Bible requirement.
 - B. The general education requirements.
 - C. A major area of study.
 - D. A minor area of study.
 - E. Electives.

- Notes:
1. Lipscomb University will allow a maximum of 33 semester hours of credit toward graduation based on a combination of correspondence courses, extension courses, special examinations, advanced placement credits and equivalency credits. (See paragraphs below on each of these areas.) The university does not guarantee the transferability of any of these credits to other institutions. Students should investigate these possibilities as the need arises. In the case of students planning to enter professional schools, such as schools of medicine or law, investigation should be made at the professional school under consideration prior to using such credits to replace requirements for admission to these schools.
 2. While remedial or developmental courses are designed to move a student toward graduation by bringing him/her up to a level of preparedness to do college work, they do not apply toward graduation credit. See page 32 concerning Developmental Non-Credit Courses.
- II. At least 25 percent of the credit hours required for any degree program must be earned in course work at Lipscomb University. In addition, the last 30 hours of work on a degree must be done in residence at Lipscomb except upon written approval of the Associate Provost for Student Academic Support. A student will not be allowed to take a correspondence course, a special examination or CLEP examination during the last 30 hours of residency without petitioning the Registrar. Special permission of the dean of the appropriate college will be required.
 - III. A candidate for a degree must successfully complete the senior seminar and/or special standardized examinations and respond to institutional surveys where these are specified by the university or the department in which the candidate is majoring.
 - IV. All incomplete grades must be completed, all transfer of credit made, and all correspondence and extension course grades must be received in the Registrar's Office by Friday prior to graduation.
 - V. No candidate will be recommended for a degree without having fulfilled the SALT requirements. For details, see guidelines in the section above.
 - VI. No candidate who is placed on probation (academic, chapel, disciplinary) during his/her final semester of work at Lipscomb will be allowed to graduate.
 - VII. All candidates for degrees must be of good moral character.
 - VIII. A candidate for a degree must have his/her account paid in full before a degree can be granted, including the graduation fee which is paid by all graduating students.
 - IX. **Students must register for GN 999X the semester all coursework will be completed for graduation. Students who do not file their intent to graduate form in the Registrar's Office by the end of the first week may be**

delayed in graduating. (Students who miss this deadline may not qualify for graduation honors.)

- X. All December and May candidates must participate in the formal graduation exercises. August graduates may petition to “walk early” with the May class or participate later in the December exercise. For the petition to be considered, the graduate cannot be on probation and must have an overall GPA of 2.2 as well as a 2.2 GPA in his/her major and minor. Petitions are due in the Registrar’s Office by February 15.

Although some students change career goals, leave school or transfer, 60% graduate from Lipscomb within six years of beginning university work for the most recently reported cohort year, 2003. The collective average for Tennessee Board of Regents universities is about 47%. (2009 Graduation Rates as reported to IPEDS from the 2003 cohort year.)

Second Bachelor’s Degree

It is not generally in the best interest of a student to complete a second bachelor’s degree. In those cases, however, where a student chooses to do so, the following information is pertinent:

1. The student must declare the intent to pursue a second degree to the Registrar and have an approved plan on file in that office. (Graduation honors are not applicable to students completing a second bachelor’s degree.)
2. The plan for a second degree must include a minimum of 33 hours in residence at Lipscomb University with a minimum of 24 upper division hours in the major in residence, in addition to general education degree requirements. (No minor is required.)
3. All general education credits earned while completing a bachelor’s degree at another institution must be approved by the university credentials analyst and the registrar before such credit will be given toward a second bachelor’s degree at Lipscomb. This approval is waived (except Bible) if the first degree was earned at a regionally accredited institution.
4. In no case is the completion of two or more majors or other degree requirements in the course of completing the first bachelor’s degree to be confused or equated with the completion of two degrees.

Statute of Limitations

Curriculum requirements often change and academic programs are frequently enhanced. Students should review the statement concerning modifications found on the title page of this bulletin.

A student is permitted to satisfy requirements for a bachelor’s degree under any curriculum in effect during the student’s attendance at Lipscomb University, provided the curriculum has been in effect within 10 years of the date of graduation. All requirements for major, minor, and general education must come from the same catalog. Discontinued courses or programs may necessitate substitutions or additions by the academic chair in consultation with the registrar.

Correspondence Courses

Any correspondence work must be approved by the university. This approval will usually include the academic chair involved, the registrar, and the office of teacher education if the course is required for teacher certification. Forms for these approvals are available in the Office of the Registrar.

Independent Studies

Independent studies are intended to be guided independent educational experiences which are initiated primarily by the student.

The following minimum guidelines apply to all independent studies/readings courses taken at Lipscomb. Academic departments may maintain additional requirements and issue instructions to faculty and students to implement the requirements stated here. Additionally, academic departments must determine which candidates are suitable for independent studies, which activities are appropriate for such credit, the schedule of meeting times, performance criteria, etc.

1. A student desiring an independent study must submit a proposal to the academic chair. Registration cannot occur without the prior approval of the academic chair. The academic chair will coordinate procedures with the registrar to prevent unapproved special studies.
2. Proposals for independent studies must address each of the following topics:
 - a. Material to be covered, research to be performed, and credit to be awarded.
 - b. Schedule of meeting times.
 - c. Performance criteria and method of evaluation.

Normally, the student who desires to undertake an independent study will approach the directing professor and together they will prepare a proposal for the study. After they have both signed the proposal, they will seek the academic chair’s approval. When that approval is granted, the proposal becomes a contract between the student and the department. Any deviations from the approved proposal must be approved by the directing professor and the academic chair.

Special Examinations (Challenge Procedure)

Although the university does not encourage the use of special examinations, there are situations (e.g., extraordinary experience) in which it seems advisable to allow a student to challenge a course by special examination. This may be either for credit or without credit. In no case should a student expect to challenge a lower-level course in a discipline for which he/she has previously earned advanced level credit. Further information concerning special examinations is available in the Registrar’s Office. A fee is charged. A student may challenge a particular course only once and cannot challenge a course which he/she has failed or a course in which he/she has been officially enrolled, i.e., it appears on his or her transcript.

Advanced Placement Credit

Advanced placement examinations such as CBAPE, IB, EB, and CLEP may be used to establish maximum credit of 30 semester hours. In establishing credit for these examinations, attention will be given not only to the score but to the scholastic record of the student, any special merits of the examination paper, and perhaps a personal interview. Such credit will be granted in an area only if no college work in that area has been taken (enrolled in or attempted). No letter grades will be assigned to the credit earned by examination. Students interested in taking CLEP examinations should check in the Registrar’s Office for guidelines prior to taking the tests. A fee is charged. The CLEP examination in each individual subject can only be taken once.

AP Credit at Lipscomb

| Advanced Placement Subjects/Tests | Score of 3 | Score of 4 | Score of 5 | Max. Credit |
|-----------------------------------|----------------|----------------------------------|----------------------------------|-------------|
| American Gov./Pol. | PO1023 | Same as 3 | Same as 3 & 4 | 3 |
| Comparative Gov./Pol. | PO3133 | Same as 3 | Same as 3 & 4 | 3 |
| American History | HI2213 | HI2213, HI2223 | Same as 4 | 6 |
| European History | HI1113 | HI1113, HI1123 | Same as 4 | 6 |
| World History | HI1013 | HI1013, HI1023 | Same as 4 | 6 |
| Macroeconomics | EC2513 | Same as 3 | Same as 3 & 4 | 3 |
| Microeconomics | EC2503 | Same as 3 | Same as 3 & 4 | 3 |
| English Lang. and Comp. | EN1113 | EN1113, EN1123 | Same as 4 | 6 |
| English Lit. and Comp. | EN1113 | EN1113, EN1123 | Same as 4 | 6 |
| Art History | AR1813 | Same as 3 | Same as 3 & 4 | 3 |
| Studio Art-2-D Design | AR1013 | Same as 3 | Same as 3 & 4 | 3 |
| Studio Art-3-D Design | AR1023 | Same as 3 | Same as 3 & 4 | 3 |
| Studio Art-Drawing | AR1113 | Same as 3 | Same as 3 & 4 | 3 |
| Music Theory | No credit | MU1111, MU1133 | MU1111, MU1121 MU1133, MU1143 | 8 |
| French Language | FR1115, FR1125 | FR2113, FR2012 | FR2123, FR2022 | 20 |
| German Language | GE1115, GE1125 | GE2113, GE2012 | GE2123, GE2022 | 20 |
| Spanish Language | SN1115, SN1125 | SN2113, SN2012 | SN2123, SN2022 | 20 |
| Statistics | MA2183 | Same as 3 | Same as 3 | 3 |
| Calculus AB | MA1314 | Same as 3 | Same as 3 | 4 |
| Calculus BC | MA1314 | Same as 3 | MA1314, MA2314 | 8 |
| Computer Science AB | No Credit | CSCI1513 | CSCI1513, 2113 | 6 |
| Biology | BY1003 | BY1003 | See Dept. Academic Chair | 3 |
| Environmental Science | BY1003 | BY1003, or BY 1013, or EV1013 | Same as 4 | 3 |
| Chemistry | CM1113, 1211 | CM1113, 1211 CM 1123, 1221 | Same as 4 | 8 |
| Physics B | PH1013 | PH1013, PH1214 | PH1214, PH1224 | 8 |
| Physics C - Mech. | PH1013 | See Dept. Academic Chair | See Dept. Academic Chair | 3-4 |
| Physics C - Elec./Mag. | PH1013 | See Dept. Academic Chair | See Dept. Academic Chair | 3-4 |
| Psychology | PS1113 | Same as 3 | Same as 3 and 4 | 3 |
| Human Geography | HI 3323 | Same as 3 | Same as 3 | 3 |

CLEP Credit in General Exams

- A. English Composition (#1 in CLEP Manual) — No credit.
- B. Humanities — No credit will be granted if prior college work has been taken in any of the test areas.
- C. Mathematics — credit General Education Requirement in Mathematics met. (3 sem. hrs.) No credit will be granted if prior college work has been taken in any of the test areas.
- D. Natural Sciences (3 sem. hrs. maximum) No credit will be granted if prior college work has been taken in any of the test areas.
 - 1. Credit BY 1003, Fundamentals of Biology or
 - 2. Credit 3 hours of physical science
- E. Social Science and History (meets social science requirement, not history requirement).
On B-E above, maximum credit of one entry level course will be awarded if a score of 50 is attained. No credit will be granted if prior college work has been taken in any of the test areas.

CLEP Credit in the Subject Examinations

| Area/CLEP Subject Exam | University Course | Req. Min. Scaled Score |
|-----------------------------------|---|------------------------|
| <i>Composition and Literature</i> | | |
| American Literature | Survey of American Literature | 50 |
| English Literature | Survey of English Literature | 50 |
| College Composition | EN1113 Freshman Comp. & Reading I or 3 hours elective credit | 55 |
| <i>Foreign Languages</i> | | |
| College French (Level I) | FR1115 | 48 |
| College French (Level I) | FR1125 | 52 |
| College French (Level II) | FR2012, FR2113 | 56 |

| | | |
|----------------------------|----------------|----|
| College French (Level II) | FR2123, FR2022 | 62 |
| College German (Level I) | GE1115 | 48 |
| College German (Level I) | GE1125 | 52 |
| College German (Level II) | GE2012, GE2113 | 56 |
| College German (Level II) | GE2123, GE2022 | 63 |
| College Spanish (Level I) | SN1115 | 48 |
| College Spanish (Level I) | SN1125 | 54 |
| College Spanish (Level II) | SN2012, SN2113 | 60 |
| College Spanish (Level II) | SN2123, SN2022 | 66 |

History and Social Sciences

| | | |
|---|--|----|
| American Government | PO1023 Introduction to American Government | 50 |
| History of US I: to 1877 | HI2213 History of U.S. I | 50 |
| History of US II: 1865 to present | HI2223 History of U.S. II | 50 |
| Human Growth and Develop. | PS 2423 Life Span Development | 50 |
| Intro. to Educational Psychology | PS 3243 Human Development and Learning | 50 |
| Principles of Macroeconomics | EC2513 Principles of Macroeconomics | 50 |
| Principles of Microeconomics | EC2503 Principles of Microeconomics | 50 |
| Introductory Psychology | PS1113 Introduction to Psychology | 50 |
| Introductory Sociology | SO1123 Introduction to Sociology | 50 |
| Western Civilization I: Ancient Near East to 1648 | HI1113 Foundations of Western Civilization to 1600 | 50 |
| Western Civilization II: -1648 to present | HI1123 Foundations Western Civilization since 1600 | 50 |

Mathematics and Science

| | | |
|---------------------------|----------------------------------|----|
| Calculus with Elem. Func. | MA1314 Calculus I | 50 |
| College Algebra | MA1113 College Algebra | 50 |
| Pre-Calculus | MA1123 Trigonometry | 50 |
| General Biology | BY1003 Fundamentals of Biology | 50 |
| General Chemistry I | CM 1113 General Chemistry I | 50 |
| | CM 1211 General Chemistry I Lab | 50 |
| General Chemistry II | CM 1123 General Chemistry II | 75 |
| | CM 1221 General Chemistry II Lab | 75 |

Business (see Dean of College of Business)

| | | |
|--------------------------|-------------------------------------|----|
| Principles of Management | MG 3503 Principles of Management | 50 |
| Financial Accounting | AC 2503 Financial Accounting | 50 |
| Intro. Business Law | MG 3613 Legal Aspects of Business I | 50 |
| Principles of Marketing | MK 3503 Principles of Marketing | 50 |

Note: As specified in the section on Requirements for Graduation, a maximum of 33 semester hours of credit will be allowed on a combination of correspondence courses, extension courses, special examinations, advanced placement credits, and equivalency credits.

International Baccalaureate (IB) Credit Policy

The Office of Admissions in consultation with the Provost awards IB credit, generally, according to the following policy:

- Some of the examinations must be the higher level. A 4 or 5 is awarded credit.
- A score of 5 is awarded credit at the standard level.
- Other factors are to be considered when awarding IB credit.

European Baccalaureate (EB)

Credit for EB will be determined on a case-by-case basis.

Note: Although there are several ways of earning credit by the non-traditional route (IB, AP, CLEP, Special Examination, Equivalency Credit, and correspondence course), credit received from one source may not be duplicated by another. The maximum credit for any combination of credit by examination, such as IB, AP, and CLEP, is 30 hours, whereas the maximum credit for credit by the non-traditional route is 33 semester hours.

Equivalency Credits

Equivalency credits (such as credit for special institutes [including institutions not regionally accredited], supervised travel experience, and credit for formal military courses as recommended by the American Council on Education) will be evaluated on their individual merits according to the nature and extent of the experience and the recommending department, institution, or accrediting agency.

Developmental Non-Credit Courses

Remedial or developmental courses are designed to move a student toward graduation by bringing him/her up to a level of preparedness to do college work. They do not apply toward the graduation GPA or graduation credit. Developmental courses benefit the student by being officially counted as part of the load and determining eligibility for financial aid and/or scholarships.

Transfer Credit from Other Colleges or Universities

Students transferring to Lipscomb University from other colleges or universities must have an official transcript of their work from each school mailed to the Admissions Office. Courses are generally accepted in transfer if earned at a regionally accredited college or university and if they are comparable to courses offered at Lipscomb or commonly regarded as study in the liberal arts. All other course credits (earned in a non-traditional manner) are subject to evaluation by the registrar and/or academ-

ic chair on a course-by-course basis. Moreover, the grade of “C” or better must have been earned on each course in transfer. Evaluation of these transcripts is made in the Admissions Office with final approval made by the Registrar. Transferred work to be counted toward a major or minor must be approved by the academic chair involved and the Registrar. Transferred courses accepted to meet part of the general education requirement must be approved by the Registrar. Courses taken at a two-year school which have 3000 or 4000 course numbers at Lipscomb generally will not transfer as equivalency credit.

No more than 66 semester hours may be transferred from a two-year school. Some two-year colleges offer a third year of work in special areas. Ninety-nine semester hours is the maximum number of hours that may be transferred to Lipscomb.

Work taken by a student at another college or university after the student's initial enrollment at Lipscomb University may not be accepted unless the student has received approval to transfer this work before the work is begun. Forms for this approval are available in the Registrar's Office. For minimum credit hour requirements of transfer students toward graduation, see II on page 29.

Limitations of Transfer Credit

1. Students will not be allowed to transfer more credits per term than they would have been permitted to earn at Lipscomb.
2. Credit must be from a regionally accredited institution.
3. Only courses with the grade equivalent of “C” or higher are candidates for transfer credit.
4. Technical or vocational credits are not eligible for transfer and may not, therefore, be used to satisfy degree requirements.
5. All credits from Lipscomb University may not be transferrable to every educational institution. Students wishing to transfer credit to another college or university should contact that institution.

Credit by Examination for Transfer Students

Credit awarded by other institutions for International Baccalaureate (IB), European Baccalaureate (EB), Advanced Placement (AP), and College Level Examination Program (CLEP) must be reevaluated to determine if (and how much) credit will be awarded by Lipscomb policy. Students desiring credit by exam should have the official IB, EB, AP, or CLEP credit transcript sent directly to the Office of Admissions, Lipscomb University, One University Park Drive, Nashville, TN 37204-3951.

Letter Grading System and Quality Points

All work in the university is graded by letters. Each letter is in turn assigned a quality-point value according to the list provided below. For example, a letter grade of “A” carries a quality-point value of four quality points per semester hour. If the student makes an “A” in a three-hour course, the total number of quality points earned for this course would be twelve quality points.

The overall grade-point average for each student is determined by dividing the number of quality-points earned by the total number of hours attempted. Only work taken at Lipscomb University is included in the computation. Neither advanced placement nor transfer credit may be used to raise the grade-point average.

In the case of courses repeated at Lipscomb, only the highest grade will be used in determining the grade-point average. The hours attempted will be used only once. For duplicated work, that is, for any course taken both at Lipscomb and another school, the grade of the Lipscomb course will always be used in computing the student's GPA.

Thirteen different letter grades are used to record a student's progress toward graduation. Some of the letter grades do not count for credit toward graduation, and some are used in computing the necessary grade-point averages for graduation. The following matrix summarizes these grades, and a brief description of each grade follows.

| | | Used in Computation of Grade-Point Average | |
|--------|-----|--|--------------------|
| | | Yes | No |
| Credit | Yes | A, B, C, D | S |
| | No | F, I | IP, NC, P, U, W, X |

- A: Superior work, exceptional quality; earns 4 quality points per hour.
- B: Good, above the average expectation; earns 3 quality points per hour.
- C: Average, about the quality expected of most students; earns 2 quality points per hour.
- D: Barely passing, earns 1 quality point per hour. (Courses with a letter grade of “D” normally do not transfer from one institution to another.)
- F: Failing, no credit; earns no quality points.
- I: Incomplete, no credit unless completed later with passing grade; computed as “F” in grade-point average until the grade is made up. (See paragraph below on Incomplete Grades.)
- IP: IP grades are given only on approved courses, such as masters' theses, honors theses, and certain practicums. A grade must be established by the end of the next full semester after the IP grade has been given. A student who does not return to Lipscomb University will automatically receive an “F” on all IP grades after one year. Any variation of these policies must be approved by the Academic Leadership Team.
- NC: No credit; used in English 0110 and 1113, Lipscomb Seminar 1103, and Math 1020 and 1030 when the grade is below a “C” and is not computed in student's average. The faculty reserves the right to assign an “F” if, in the opinion of the teacher, the student has put forth little, if any, effort.
- P: Passing—A, B, C or D; used when a course is completed successfully but without any credit. Examples: all zero credit courses, etc.
- S: Satisfactory—A, B, C; used when credit is earned in nontraditional ways, such as credit by examination or in special cases where a course is not included in computation of grade-point average. (See paragraph below on Audits

and Non-Credit Repeats.)

- U: Unsatisfactory—D or F, used when credit is not earned in a course not to be included in computation of grade-point average. (See paragraph below on Audits and Non-Credit Repeats for the optional use of the letter grades S and U in physical education activity courses.)
- W: Withdrew officially; not computed in grade-point average. Used whenever official withdrawal occurs: 1) from specific course(s) at the initiative of the student anytime during the designated withdrawal period of a term (see calendar on page 3); 2) from all coursework in the event that a student is unable to complete a term due to reasons of personal choice, health problems, disciplinary actions, or other reasons approved by the university such that the student is formally dissociated from the institution via processing in the Registrar's Office; and also may be assigned by the registrar or the provost after the official last day to drop where there are extenuating circumstances, such as an extended illness.
- X: Audit, not computed in grade-point average. There is a tuition charge but no credit is earned. (See paragraph on Audits and Non-Credit Repeats.)

Mid-term "D" and "F" grades are available on the Web to students during the fall and spring semesters. Final grades are available on the Web at the end of each semester. Once grades have been posted to the student's record in the Registrar's Office they are considered permanent.

Student Grievance/Complaint Process

A student wishing to lodge a complaint about any university office or service is invited to follow the procedures outlined in the *Student Handbook* and is available on the Lipscomb website. If the complaint or grievance is related to a specific course or instructor, the matter should be addressed first with the instructor. If that interaction is unsatisfactory, the student should take the complaint to the academic chair. Should the concern remain unresolved, the student may directly contact the office of the associate dean of the college in which the department resides. Any further appeal must be made to the dean of the college.

After completing the above procedure, any appeal of a course grade must be filed in the Provost's Office within 60 days following posting of the grade to the student's record. In no case may a student appeal a grade that has been recorded on the transcript for as long as twelve months.

In accord with the university's commitment to academic freedom, students are encouraged to examine all pertinent data, question assumptions, and guided by the evidence of research, freely study the substance of each academic discipline. Any student who perceives that this right has been violated may file a formal grievance through the Provost's Office.

Incomplete Grades

Incomplete grades should be assigned only if the final exam (or some work of equivalent significance) was missed for a good reason. Students who fail to complete other (routine) assignments should not receive incomplete grades but should be assigned letter grades that reflect the quality and quantity of their work completed during the regular semester.

In cases where the grade "I" is given, a grade must be established within the first three weeks of the succeeding semester in residence or the grade automatically becomes "F." An extension may be petitioned by the student but such extensions must be: 1) initiated by the student and 2) approved by the instructor, academic chair, and dean of the college, in that order. A student who does not return to Lipscomb University will automatically receive "F" on all incomplete grades after one year. Any variation of these policies must be approved by the Academic Leadership Team.

Audits and Non-Credit Repeats

In addition to the usual registration for credit and regular grade computation, a student may wish under some circumstances to register as an auditor. In this case, regular tuition is charged but no credit is earned. The student may participate in the course to whatever extent he/she wishes insofar as tests, reports, papers, etc., are concerned. With permission of the instructor, a student may change his/her registration in a course from credit to audit or from audit to credit during the first four weeks of the semester. After this time his/her only options are to continue as registered or to withdraw from the course.

A student may register for physical education activity courses on a satisfactory-unsatisfactory basis. In this case a grade of "S" and credit are recorded for A, B, or C level work, and a grade of "U" with no credit will be recorded for D and F level work. "S" and "U" grades are not computed in grade-point averages.

Repeated courses are counted the same as regular courses in determining maximum student loads and in determining full-time student classification. The Veterans' Administration will not allow audits or non-required repeats to be counted in determining load for pay purposes.

Academic Probation and Suspension

To graduate from Lipscomb University a student must have a minimum grade-point average of 2.0 overall as well as a 2.0 in the major and a 2.0 in the minor.

Academic Warning

First-time freshmen (fewer than 30 hours transferred in) whose grade-point average for the first semester is below 2.0 will be placed on Academic Warning. This is a one-time warning available only to first-time freshmen. Students on Academic Warning who do not raise their grade-point average to 2.0 by the end of their next semester in school will be placed on academic probation. Students on Academic Warning will be required to participate in Turning Point, a program designed to assist students attempting to recover from difficult academic situations.

Academic Probation

All students must maintain a cumulative grade-point average of 2.0, including incomplete grades. Students whose cumulative GPA falls below 2.0 will be placed on academic probation for the following semester.

Students on academic probation should contact their academic chair (or Associate Provost for Student Academic Support if the major is undeclared) for a meeting before classes start in order to complete a Probation Contract. Students

who do not sign a contract may return. However, students who are suspended at the end of that semester may lose the right to appeal their suspension if they have not completed a contract. The Probation Contract is a useful way to address the academic problems the student has encountered.

Students on probation who earn a term grade-point average of 2.0 or higher but fail to raise their cumulative grade-point average to 2.0 or higher may be considered for a one-semester extension of their probation.

Students on academic probation because of incomplete work can be removed from probation at any time the work is made up and a satisfactory GPA is recorded on the permanent record.

Students who are admitted on probation (transfers and returning students) will fall under the same guidelines.

Suspension

When a student's cumulative GPA falls below 2.0 for two consecutive semesters, fails 3/4 or more of his/her work in a semester, or is on two or more probations (academic, chapel, disciplinary), the student will be automatically suspended. Suspended students may not enroll at Lipscomb the semester following their suspension. Students suspended at the end of the spring semester may not attend during summer and fall semesters.

Students may appeal their academic suspension by writing to the Associate Provost for Student Academic Support. These requests should be mailed to the Office of the Associate Provost for Student Academic Support and received no later than 4:30 p.m. on the Monday of the week before classes begin for the term during which the student wishes to be readmitted.

Students suspended after the spring semester are not required to appeal their suspension before Maymester but must appeal their suspension before the start of other summer terms following the procedure previously stated.

Suspended students who miss the deadline for appealing will not be eligible to return that semester. Students whose appeals are approved will be required to sign a probation contract during the first week of classes.

Students who have been suspended only once may apply for readmission after being out of school for at least one fall or spring semester.

Students who are suspended a second time for academic reasons may not be readmitted until at least two full semesters (not counting summer session) have elapsed.

The above regulations are established to guarantee that a student is making satisfactory progress toward completing his/her college program of study. Exceptions to these regulations can be made only upon appeal in writing to the Associate Provost for Student Academic Support. All probation and suspension policy guidelines are established by the Provost and the Academic Leadership Team.

Academic Recovery

The **Transitions** Program is designed to provide support for first-semester freshmen who are admitted to the university on a probationary status. A limited number of students will be accepted into the program each fall. Freshmen admitted on probation will be under contract in a structured program that will include some predetermined classes, tutoring labs, supplemental instruction workshops and seminars, office visits with program coordinators and advisors, and limits on extracurricular activities. This program for freshmen is open only in the fall semester.

Transfer students who are admitted on a probationary status may be required to enter a contractual arrangement tailored to specific needs and circumstances and may be considered for admission in any semester. In both cases, the student's performance will be evaluated after one semester, and the student may be released from the contract, asked to continue under a contract arrangement for another semester, or suspended from the university.

The **Turning Point** program is designed to assist freshmen who are attempting to recover from difficult academic situations. Participants will be expected to fulfill all program requirements, such as supervisory office visits with the director of the program (or another academic advisor), participation in tutoring labs and academic skills workshops, monitoring of class attendance and academic performance, enrollment in TP 0110, etc. Freshmen placed on academic warning are required to participate in Turning Point. Upperclassmen placed on academic probation for the first time may be required to enroll as a stipulation in their probation contract.

The **Early Warning System** provides instructors an avenue for warning students who are approaching class absence limits or whose academic performance is deficient. Students may receive notification of such situations and may be encouraged to immediately contact the instructor. When students reach the maximum number of absences allowed in a course, they may be notified that the instructor has determined that they will receive a failing grade in that course, and they may be given an opportunity to appeal this decision.

Student Load—Credit Hours

In the fall and spring semesters, students may normally register for 12 to 18 hours, including repeats, non-credit courses, and/or audits, without special permission. A student must take 12 hours to be considered full time. Students registering for more than 18 hours must have a 3.0 grade-point average, either overall or on the preceding semester. Any student attempting to register for more than 18 hours **must** contact the Registrar's Office to receive an override in the computer before registration is possible. In no case will more than 21 hours be credited for work done (including work at another institution) within one semester. It is recommended that students on academic probation register for 12 hours or less during the semester of probation. Fourteen hours is the maximum load for such students.

Because the summer session (10 weeks) is shorter and thus more intensified than a typical semester, it is necessary to place further restrictions upon the number of hours for which a student may register during that time. Specifically, a student may register for as many as 17 hours during summer session without special permission. Beyond that, the registrar's permission is required, and no student's load may exceed 19 hours during the summer session (including work at another institution). (Total number of hours is calculated by adding all summer coursework, i.e., single-term [five-week] courses, three- or four- week terms, and/or entire session [ten-week] courses.)

A student may repeat a course for the purpose of improving his/her grade. Only the higher grade will be used in computing the grade-point average. The grade earned in any previous attempt of the course at Lipscomb will remain on the permanent record. For courses duplicated at Lipscomb and another college, the "transfer" grade may not be used to replace a lower grade made at Lipscomb.

A student with a failing grade in a class can remove the effects of the "F" only by repeating the course and earning a higher grade on a course taken at Lipscomb. Demonstration of additional experience or improved proficiency may not be used to alter prior grade records.

The university reserves the right to change an instructor listed on a proposed schedule or to eliminate any course from the schedule due to inadequate enrollment.

Dropping Courses

Any course dropped within the first week of the semester will not appear on the permanent record. Any course dropped after the first week and until the last day to drop classes (see calendar on page 3) will be given a grade of "W." Any course dropped at any time without proper notification (WEB drop or completed drop/add form) to the Registrar's Office will be assigned the grade of "F."

During the official drop/add period, students will be able to drop or add on the WEB. After that time, a drop/add form must be completed and accepted in the Registrar's Office in order to be official. The official drop date will be the transaction date indicated from the WEB drop or the date the drop/add form is accepted in the Registrar's Office

Class Standing

The completion of 30 semester hours classifies a student as a sophomore; 60 hours classifies one as a junior; and 95 hours classifies one as a senior.

Class Attendance

Regular class attendance is required of all students enrolled at Lipscomb University. The classroom experience is considered an integral part of the university's educational program, and students should not register for classes unless they plan to attend regularly.

Any student who misses the equivalent of three weeks of any course may be dismissed from the course: further class attendance will be prohibited and a failing grade will be assigned. (Individual departments and/or faculty have the prerogative to establish a tolerance limit of less than three weeks.)

Readmission to the class is by approval of the academic chair. A copy of the letter of dismissal to the student may be sent to the payer of the student's bill where approval has been given according to the student's FERPA rights. The appeal for readmission must be made within one week from the day the notice is mailed to the student. During the appeal interim, the student may not resume class attendance unless the instructor determines that unusual circumstances warrant it. If the appeal is not approved, further class attendance is prohibited and a failing grade will be assigned.

Students who are removed from classes due to excessive absences and who do not appeal for readmission will be assigned a failing grade at the end of the semester.

Final Examinations

A schedule of final examinations will be determined by the Registrar. This schedule is to be followed unless prior approval for change is obtained from the Registrar. Under no circumstances may examinations be given earlier than the beginning of the regular testing period as designated by the Registrar. Missed final examinations may be made up only when arrangements have been made with the instructor in advance or when illness can be verified with a physician's excuse.

Graduation Honors

Valedictorian and salutatorian awards are presented at commencement. The valedictorian award is given to the graduating student with the highest grade-point average, and the salutatorian award is given to the student with the second highest grade-point average. (Graduation honors are not applicable to students completing a second bachelor's degree.)

Beginning with May 2012 commencement, students who have accumulated a grade-point average (GPA) of 3.90 or above will graduate *summa cum laude*. Students who have accumulated a grade-point average between 3.70 and 3.89 will graduate *magna cum laude*, and students whose accumulated grade-point average is between 3.50 and 3.69 will graduate *cum laude*. (Students graduating prior to May 2012 should consult an earlier catalog for graduation honor criteria.) Honors are calculated at the end of the student's next-to-the-last semester. In calculating honors, all previous college work will be included. However, transfer work cannot raise the GPA calculation for honors but it can lower it. For example, a student who transfers one course of three semester hours' credit with a grade of "C" and then completes the remaining 129 hours required for graduation at Lipscomb University with a grade-point average of 3.50 cannot graduate *cum laude* since the overall grade-point average including the three hours of "C" transferred would result in a GPA lower than 3.50.

Also, students who may appear to be tied for top graduating honors may actually be separated by the fact that one student has repeated a course (at Lipscomb or any other postsecondary institution) in which a lower grade was originally made. The student who has not repeated such a course would be considered above the student who has repeated a course. Students who expect to qualify for graduation honors may want to check with the Registrar's Office during the beginning of their senior year.

Provost's List and Honor Roll

To qualify for the Provost's List, a student must be classified as full time (twelve earned hours minimum) and achieve a 4.0 grade-point average for the semester. To qualify for the Honor Roll, a student must be classified as full time and achieve a 3.5 or higher grade-point average for the semester.

Teacher Education

The Teacher Education program at Lipscomb University is approved by the Tennessee State Board of Education and is nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Programs are offered leading to licensure in grades K-6, 7-12, and K-12. For information concerning teaching majors, see page 160.

The Teacher Education Program at Lipscomb University utilizes a variety of methods for assuring excellence in teacher preparation. Collaboration with local public school systems assures Lipscomb students of practical, hands-on experiences as they acquire knowledge and skills, and study educational theories, current research, and sound professional practice. The Teacher Education Program is a campus-wide program that involves all departments in an integrated approach that prepares a well-rounded student. Students are supervised and evaluated on an on-going basis to assure a quality program.

The Teacher Education conceptual framework, C.A.R.E., is explained and illustrated in the *Teacher Education Handbook*. Specific admission standards, program objectives, and evaluation procedures are also listed in the handbook.

For information concerning requirements, admission to teacher education, and a list of approved programs, contact the Office of Teacher Education. All requirements are subject to change as mandated by the State of Tennessee.

The Center for International Peace and Justice

The mission of the Center is to promote awareness and understanding of international affairs, particularly as they relate to questions of peace, justice, and humanitarian concern. The Center pursues this mission through the sponsorship of various public venues (e.g., speakers' programs, symposia, conferences, etc.) that focus attention on pressing international issues and research into trends, developments, and policies that pertain to global problems. The Center also supplies ministries and humanitarian agencies with information and expertise useful in their activities abroad.

Global Learning

Lipscomb University's Global Learning Program provides students with the opportunity to develop a global perspective, a keen awareness of the larger world in which we live, and a deep global and biblical understanding of who our neighbors are. In support of these goals, the Office of Global Learning offers several meaningful international learning experiences to undergraduate students. These short, mid-length, and semester-long trips integrate personal faith and Christian service into the learning experiences. Students may select from semester-long programs, mid-length summer programs of several weeks, and short-term summer or Wintermester trips of up to three weeks. New semester-long programs are under development, and each year faculty propose new mid- and short-term offerings. In addition, the Office of Global Learning is constantly working to add new opportunities. If you are interested in traveling to a destination not currently listed, please contact the Office of Global Learning.

Certain programs award credit for some general education courses, and students should check early on with the Office of Global Learning to verify which general education credits they will earn during the program they select.

Semester-long programs:

- Lipscomb Cross-Cultural Program in Vienna, Austria - Lipscomb University (LU)
- Lipscomb Cross-Cultural Program in Santiago, Chile (LU)
- Oxford Honors Program, England - Council for Christian Colleges and Universities (CCCU)
- Costa Rica (CCCU)
- Australia (CCCU)
- China (CCCU)
- Uganda (CCCU)
- Middle East (CCCU)

Mid-length summer programs:

- Chicoutimi, Québec (French Language Immersion through Mid-Continent Consortium for International Education - MCCIE)
- Guanajuato, Mexico (Spanish Language Immersion through MCCIE)
- Toledo, Spain (Spanish Language Immersion through MCCIE)

Sample short-term summer and Wintermester programs:

- Lipscomb Cross-Cultural Program in London, England (LU)
- The China Experience (LU College of Business)
- Cultural Perspectives in Education: Lima, Peru (LU College of Education)
- The Paris Experience (LU College of Arts and Sciences)
- The European Union and You (LU Institute of Law, Justice, and Society and the College of Arts and Sciences)
- History of the Church, Middle Ages and Renaissance (LU College of Arts and Sciences)
- The India Experience (LU College of Business)

Students who wish to participate in an international program must meet the following criteria:

1. They must have completed at least two full-time semesters by the beginning of the semester of participation;
2. They must have a 2.5 GPA for the two semesters preceding their participation in a study abroad program. If the GPA is below 2.5 at the end of the first of those semesters, they will be conditionally admitted to the program, and their GPA must be 2.5 or above by the end of the second semester
3. They must be approved by the Global Learning Committee, whose approval is based on two letters of recommendation and who may require an interview;
4. They must have demonstrated willingness to abide by Lipscomb rules regarding academics and behavior.

All Lipscomb rules apply to participants in these programs. Infringement of any rule may result in disciplinary action, including dismissal from the program without refund.

For more information contact the Office of Global Learning.

Curriculum for Vienna:

Humanities (HU) Non-Lit.:

110V *The Cross-Cultural Experience (1-3)*

2003 *World Humanities I (3)*

2013 *World Humanities II (3)*

German (GE) — all students are required to take German

1115 or 1125 *Elementary German I or II (5)*

2113 or 2123 *Intermediate German I or II (3)*

2012 or 2022 *Conversation I or II (2)*

Bible (BI)

A Bible class consistent with the Global Learning objectives will be offered (counts as an elective for the Bible requirement).

470V *Practicum in Missions (1)*

This course is optional, intended for those students who wish to receive one hour of credit for mission work done in Vienna.

Sample optional courses:

- Physical Education Activity Wellness Course (PE, counts as PE Gen Ed)
- European Novel (EN, counts as sophomore literature Gen Ed)

Other classes consistent with global learning objectives vary from year to year and are available from the Office of Global Learning.

Curriculum for Santiago:

Humanities (HU) Non-Lit.:

110V *The Cross-Cultural Experience (1-3)*

2003 *World Humanities I (3)*

2013 *World Humanities II (3)*

Spanish (SN) – One semester of college-level Spanish is a prerequisite; all students are required to take Spanish while in Santiago.

1125 *Elementary Spanish II (5)*

or 2113 or 2123 *Intermediate Spanish I or II (3), and*

2012 or 2022 *Conversation I or II (2)*

Bible (BI)

A Bible class consistent with the Global Learning objectives will be offered (counts as an elective for the Bible requirement).

Sample optional courses:

- Physical Education Activity Wellness Course (PE, counts as PE Gen Ed)
- Latin American Literature (EN, counts as sophomore lit Gen Ed)
- Environmental Biology (BY, counts as Biology Gen Ed)

Other classes consistent with global learning objectives vary from year to year and are available from the Office of Global Learning.

The courses offered during the mid-term and short-term programs vary from year to year and are available from the Office of Global Learning and the professor responsible for the academic content of the specific trip. For more information about the Language Immersion Programs through the Mid-Continent Consortium for International Education (MCCIE), contact the Office of Global Learning or consult its web pages. A complete listing of all semester-long programs and fuller information on the international programs available through the Council for Christian Colleges and Universities (CCCU) may be accessed at www.BestSemester.com.

Scholarships and Global Learning

Lipscomb University institutional financial aid may only be applied to Lipscomb University institutional programs. Other financial aid such as Pell Grants may be applied to any program listed here. For purposes of international study, generally a summer load of nine hours is required for full scholarship credit.

FIRST-YEAR PROGRAM — LIBERAL ARTS

The following list of a first-year program is provided as an example only. Each student entering Lipscomb University is assigned a special advisor from the university faculty. Individual programs for students are then developed at the beginning of each semester. It is the student's responsibility to arrange appointments to meet with the advisor.

Bachelor of Arts candidates and undecided students are strongly encouraged to enroll in a foreign language during their first two semesters.¹

| General Liberal Arts | | |
|---|----------|----------|
| | F | S |
| Lipscomb Seminar 1103 | 3 | |
| Bible 1073, 1083 | 3 | 3 |
| English 1123 | | 3 |
| Science/Math. | 3-4 | 3-4 |
| P.E. | 1 | 1 |
| Communication 1003/Electives ² | 3 | 3 |
| Electives ² | <u>3</u> | <u>3</u> |
| | 16-17 | 16-17 |

¹. Those who earned A's or B's in a high school foreign language course should consider continuing language study while those skills remain current. Check with the Department of Foreign Languages about CLEP testing, credit, and placement.

². Should be selected from general education requirements or from the major field. Students who are pursuing the Bachelor of Arts degree are encouraged to take the foreign language sequence (1115, 1125) during the freshman year.

Preprofessional Curricula

Lipscomb University offers several preprofessional programs and partnerships. See below for information about specific programs.

Students pursuing professional degrees beyond the Bachelor's degree should consult with the program they wish to attend.

Pre-Engineering/Dual-degree Program

For details of the pre-engineering/dual-degree program, see page 124 of this catalog. For specific questions about engineering programs, please contact the Dean of the Raymond B. Jones College of Engineering.

Medically-Related Preprofessional Programs

Detailed lists of prerequisite courses for each of the healthcare professional areas are available in the Health Professions Advisory Office and the offices of the Chairs of Biology and Chemistry (see page 107 for more information).

Nursing

Lipscomb University offers a Bachelor of Science in Nursing (BSN) degree. This program prepares the student for a career in the health care field as a registered nurse upon successful completion of the national board exam. The Lipscomb BSN degree is fully explained on pages 187-189 of this catalog. For questions about the nursing program, please call 615-966-6650.

Pre-Pharmacy

Consult the Health Professions Office or see page 185 to learn more about the Lipscomb University College of Pharmacy and Health Sciences and for courses of study designed to prepare a student for admission to the college.

Degrees Conferred for Work Completed in Other Institutions

Certain three-year programs can qualify a student for the baccalaureate degree at Lipscomb University upon the satisfactory completion of the first year of professional school in the areas indicated above (see page 39). A student must complete all general education requirements for the B.A. or B.S. degree, a minimum of 18 hours toward a major, and approximately 92 semester hours during the three years at Lipscomb.

By cooperative agreement with Tennessee Technological University and Vanderbilt University, a student who completes a specific three-year curriculum plan may transfer to either of these schools and complete an engineering degree in approximately two years. For students interested in other schools of engineering, individual curriculum plans can be developed. The Bachelor of Science degree in pre-engineering will be conferred by Lipscomb University upon satisfactory completion of specified requirements at the engineering school. Specific details may be obtained from the Dean of the Raymond B. Jones College of Engineering.

The three-one program in medicine and medically-related studies applies to students who wish to receive a Bachelor of Science or Bachelor of Arts degree from Lipscomb and to receive professional training in one of the medical professions such as medicine, dentistry, pharmacy, optometry, physical therapy, occupational therapy, chiropractic, nursing, veterinary medicine, and others where the level of instruction is at the bachelor's level or higher. (Junior college level or other two-year programs do not qualify.) In order to receive the Bachelor of Science degree from Lipscomb the student must:

1. Complete all general education requirements for a bachelor's degree listed in the Lipscomb catalog.
2. Complete 18 semester hours toward a major.
3. Complete approximately 90 semester hours at Lipscomb. (Transfer students must complete 33 semester hours at Lipscomb in addition to the work transferred to Lipscomb.) A total of 132 semester hours (Lipscomb plus professional school) is required for graduation.
4. Successfully complete ("C" average or better) one full year of work at a medically-related professional school. This work will be transferred back to Lipscomb as the senior year work.
5. Complete all surveys and standardized examinations required by the university. To avoid returning to campus after transferring, these exams and surveys should be taken during the student's last semester in attendance at Lipscomb.

No student may graduate until Lipscomb receives all necessary transfer work or official verification of the completed work from the cooperating institution. Students should keep this in mind when making plans to graduate from Lipscomb in a particular semester.

Should a student in any of the three-year programs listed above fail to satisfactorily complete the work at the professional school, he/she must return to the Lipscomb campus for the completion of degree requirements. In such cases, the Registrar's Office should be consulted.

Adult Learning

Adult Degree Program (ADP). Lipscomb University's Adult Degree Program offers evening, weekend, and online courses designed to accommodate the schedules of busy adults. The ADP maintains an outstanding reputation among the business and educational communities in the greater Nashville metropolitan area. The hallmark of the program is an applications-oriented curriculum taught by faculty members who are recognized experts in their respective fields of study. Professors tailor the courses to address both academic theory and the most pressing discipline-specific topics happening in local, national and international environments. Students are well prepared to advance both professionally and personally. Courses are offered in an eight-week format during five academic terms throughout the year. In addition, ADP courses are offered in Wintermester, Maymester, Junemester, and Julymester. Bachelor's degrees are conferred in the following disciplines:

Bachelor of Business Administration

Accounting
 Corporate Management
 Human Resources
 Information Technology Management (ITM)

Bachelor of Science

Education (Licensure K-6)
 Law, Justice, and Society
 Information Technology Application
 (ITA)

Bachelor of Arts

Law, Justice, and Society

Bachelor of Social Work

Following is a tentative listing of the Adult Degree Program majors/course offerings:

General Education Course Offerings

Summer 2010: CO 1003; EN 1123, 2143, 2153; PE 156V; PH 1003

Fall 2010: CM 1013; EN 1113, 1123, 2163; MA 1020, 1030, 1114; PE 156V; PO 3433; PS 1113; SO 1123

Spring 2011: BI 421V, 1053; BY 1003; CO 1003; EN 1123, 2153; HI 2213; MA 1043, 1053, 1113; PE 156V; PL 1003, 3433; PS 1113

Business Core Course Offerings

Summer 2010: BA 4503, EC 2503, 2513; MG 3503, 3613; MK 2503

Fall 2010: BA 3603, 3703, 4503; MG 3013, 3023, 3503, 3613

Spring 2011: BA 3703, 4503, EC 2503, 2513; MG 3013, 3023, 3503

Maymester 2011: BA 3603

Accounting Major/Course Offerings

Summer 2010: AC 2503

Fall 2010: AC 2503, 2513, 3503, 3513, 3563, 390V, 4003, 4113, 4753

Spring 2011: AC 2503, 2513, 3503, 3513, 3553, 3573, 390V, 4313, 4553

Corporate Management Major/Course Offerings

Summer 2010: MG 390V, 4403

Fall 2010: MG 3403, 390V, 4443, 4453

Spring 2011: MG 390V, 4443, 4453

Maymester 2011: MG 4403

Elementary Education Major/Course Offerings

Summer 2010: AR 1813; BY 2213; ED 3302, 3354; HI 3323; HL 3302; MA 3053; PE 156V; PH 1003

Fall 2010: BY 1003, 3612, 3712; ED 2312, 3302, 3332, 3354, 3363, 3532, 3534, 441C/4402; EN 3013; PE 156V; PS 1113, 3243; SW 3113

Spring 2011: ED 2312, 3302, 3332, 3404, 3476, 3623, 4402, 441C; HI 1013, 2213; HL 3302; MA 1043, 1053; MU 3203; PE 156V; TH 3413

Maymester 2011: HL 3302; PE 3323; SO 2103

Human Resources Major/Course Offerings

Summer 2010: MG 390V

Fall 2010: MG 390V, 4653

Spring 2011: MG 390V, 4203, 4453

Maymester 2011: MG 4403

ITM/ITA Majors/Course Offerings

Summer 2010: IT 2043, 2053

Fall 2010: CSCI 2113, 3613, 4613; IT 2043, 3023, 3553

Spring 2011: CSCI 1513, 3613, 3703, 4613; IT 2043

Law Justice and Society Major/Course Offerings

Summer 2010: LJS 3203, 3303, 390V

Fall 2010: CO 3064; LJS 2103, 3103, 3303, 3403, 3503, 390V; 4203, 4303; PO 3433

Spring 2011: LJS 2103, 2203, 3203, 3303, 3503, 390V, 4403

Maymester 2011: LJS 4103

Management/Human Resource Management Major/Course Offerings

Summer 2010: BA 4503; EC 2503, 2513; MG 3503, 3613, 3403, 390V, 4453, 4653; MK 3503

Fall 2010: BA 3603, 3703, 4503; EC 2503, 2513; MG 3013, 3023, 3403, 3503, 3613, 390V, 4403, 4443, 4453

Spring 2011: BA 3703, 4503; EC 2503, 2513; MG 3013, 3023, 3503, 3623, 4203, 4443, 4453, 4753

Maymester 2011: BA 3603; MG 4403

Social Work Major/Course Offerings

Summer 2010: BY 2213

Fall 2010: BY 1003; PS 1113; SO 1123; SW 1103, 3113, 3223

Spring 2011: BY 1003; PS 1113; SO 1123; SW 2333, 3313, 4323

Maymester 2011: PS 3513; SO 2103

Applied Ethics Minor/Course Offerings

Summer 2010: BI 3223, 421V; PL 3433, 366V

Fall 2010: BI 1053, 1063, 3223; PL 1003

Spring 2011: BI 1053, 366V; PL 1003, 3433

Psychology Minor/Course Offerings

Maymester 2010: PS 3513

Fall 2010: PS 1113, 3243

Wintermester 2011: PS 1113

Spring 2011: PS 3413, 4423

Maymester 2011: PS 3513

Institutional merit scholarships (academic transfer scholarships) and merit and need-based aid are available for degree-seeking students in the ADP.

Additionally, Adult Learning welcomes non-degree seeking students interested in post-baccalaureate and personal enrichment courses. The curricula include courses offered in the ADP, workshops and conferences designed for professional continuing education credits, certifications, and test preparation.

For more information, academic counseling, and/or evaluation of previous college coursework, contact Dr. Teresa Bagamery Clark. By phone, call: 615-966-5859. By e-mail, send to: teresa.clark@lipscomb.edu.

Summer and Wintermester Academic Programs

Lipscomb University provides academic programs throughout the year. In addition to the fall and spring semesters, academic courses are offered during summer months and between fall and spring semesters. During the summer students can take academic courses in a variety of schedule options, including Maymester (three weeks), Junemester (four weeks), Julymester (four weeks) and Term I and Term II (five weeks) and Full Term (ten weeks). Lipscomb's newest term for course offerings is Wintermester, a compressed term offered between the end of the fall semester and the beginning of the spring semester. The specific class meeting schedules for Wintermester courses will vary based on course requirements. Wintermester courses can begin as early as the Friday before fall graduation and must end by the Sunday before the spring semester begins.

These additional terms offer students various academic opportunities, at both the undergraduate and graduate levels, to catch up or get ahead in their curriculum. Because of the unique course scheduling opportunities during these additional academic terms, Lipscomb is able to offer innovative courses that are not available during the regular fall and spring semesters. In addition, some courses offered in summer and Wintermester are not available at other universities in the Nashville area during these terms. Course selection options typically include general education courses, core course requirements for majors, online courses, and both domestic and international travel courses.

High school scholars may take advantage of Lipscomb's academic programs during most academic terms by taking courses through our dual enrollment program. For more information on dual enrollment courses, contact Rob Mossack, Director of Academic Advising, at 615-966-6297 or at dualenrollment@lipscomb.edu.

Rising high school seniors may also apply to enroll in Summer Scholars, a 10-day residential summer program designed for high-achieving students for which they may receive college credit in one of the academic areas offered. For more information about this program, contact Johnathan Akin, Associate Director of Admissions, at 615-966-6150 or johnathan.akin@lipscomb.edu.

More detailed information about Lipscomb's Summer and Wintermester programs may be viewed on the web at <http://summerprograms.lipscomb.edu> and <http://wintermester.lipscomb.edu>.

Transcripts

Transcripts of academic records are sent only upon written request from the student. Such requests should be submitted at least a week before the transcript is needed. All final decisions on the issuance of transcripts will be made by the Registrar. No transcripts will be issued until all accounts with the university have been satisfactorily settled. There is a \$5.00 fee per transcript.

Air Force Reserve Officer Training Corps (AFROTC) Participation

Students may participate in the Air Force Reserve Officer Training Corps (AFROTC) at Detachment 790 on the campus of Tennessee State University. AFROTC provides pre-commissioning training to college students (male and female) who desire to serve as officers in the U.S. Air Force (USAF).

High school students may also apply for the AFROTC College Scholarship Program online at www.AFROTC.com. The application deadline is typically December 1 of the senior year. Detailed eligibility requirements are available on the AFROTC.com website.

As AFROTC cadets, the majority of students will earn scholarships that may cover all, or a significant portion of tuition costs. In addition, cadets earn a monthly stipend of up to \$400 and up to \$510 per academic year to pay for textbooks.

Cadets are required to attend AFROTC classes, in uniform, one day per week. One summer, typically between the sophomore and junior year, cadets must attend a four-week military training session. The combination of USAF military education, training, and college-level curriculum gives cadets a broad-based knowledge of management, leadership, and technical skills.

The minimum eligibility requirements are as follows: U.S. citizen, thirty years old or younger on December 31 of the year you graduate (exception — prior enlisted), meet USAF weight standards, pass a physical fitness test, have a 2.5+ cumulative college GPA, and pass the Air Force Officer Qualifying Test (A USAF-unique academic aptitude test).

Although the USAF will accept students from any accredited academic major, there is a critical need for engineers (all

disciplines). Upon graduation, cadets will earn USAF commissions as Second Lieutenants and must serve a minimum of four years on active duty.

Elective credit toward graduation will be granted by Lipscomb University for these courses to a maximum of 20 semester hours for a complete program.

For more information, visit www.AFROTC.com or telephone the Det 790 Unit Admissions Officer at 615-963-5931. Also visit the Det 790 website at www.tnstate.edu/rotc.

For further information write:

AFROTC - Air Force
Detachment 790
Tennessee State University
Nashville, Tennessee 37209-1561
615-963-5931

Army Reserve Officer Training Corps (ROTC) Officer Education Program

The Army Reserve Officer Training Corps (ROTC) provides pre-commission training for college-educated men and women who desire to serve as commissioned officers in the active Army, Army Reserve, and Army National Guard. As the Army's largest commissioning source, it fulfills a vital role in providing mature young men and women for leadership and management positions in an increasingly technological Army. Admission is open to both men and women who meet mental, moral, and physical qualifications.

Training goes beyond the typical college classroom and is designed to build individual confidence and self-discipline, instill values and ethics, develop leadership skills, and increase physical endurance. The course load consists of one course per semester.

Graduates are commissioned as Second Lieutenants and will enter active duty within sixty days. Educational delays may be granted for graduates who desire to pursue advanced degrees prior to entry on active duty.

All University students in the Nashville area may participate in the Army ROTC Program at Vanderbilt University. While Vanderbilt serves as the host University, **students at partnership schools are not charged additional tuition to take Army ROTC.**

Courses are transferred back to each University and added to the students' transcripts.

Scholarship students receive full tuition scholarships each year, an annual \$900 book allowance, all uniforms, and a monthly tax-free stipend beginning at \$300 for freshmen and increasing to \$500 for seniors. Vanderbilt University also provides Vanderbilt ROTC scholarship students an additional \$3,000 tuition grant each year for room and board. Students who are not on scholarship receive the monthly stipend during their junior and senior years. All students enrolled in the Army ROTC program are provided textbooks and uniforms at no expense. Contracted non-scholarship students also receive the monthly stipend from \$300 to \$500 depending on the MS level.

Scholarships

Students can earn merit scholarships in several ways. High school seniors and graduates compete for four-year scholarships that are determined by local competition among Vanderbilt applicants. Although determined locally, the application process is centrally managed. For more information, see the Web site at www.armyrotc.com.

College sophomores not enrolled in military science may enter the program by attending four weeks of summer training after their sophomore year at Fort Knox, Kentucky. These students are then eligible to compete at the national level for two-year scholarships.

Enlisted members of the U.S. Army are eligible for Green-to-Gold scholarships that are determined by national competition or by the commanding generals of Army divisions and corps.

Enlisted members of the Army Reserve or Army National Guard or outstanding students who are interested in joining the Army Reserve or Army National Guard may be eligible for two-year scholarships. They must have successfully completed two years of college to apply.

Summer training

The five-week leadership exercise at Fort Lewis, Washington, is a commissioning requirement. This is normally done between the junior and senior years. Travel, room, and board are provided free, and cadets are paid approximately \$700. Other training opportunities exist for qualified applicants who volunteer.

Commissioning and career opportunities

A commission in the U.S. Army is a distinctive honor earned through hard work, demonstrated commitment, and a desire to serve the nation. Post-graduate military education, usually starting within six months of graduation and commissioning and continuing through the officer's service career, begins with the basic officer leadership course followed by officer basic courses that qualify new lieutenants in their specialties. Afterwards they are usually assigned as platoon leaders, typically responsible for every aspect of training, supervising, and caring for sixteen to thirty soldiers and millions of dollars worth of equipment. Education delays are available for critical specialties requiring post-graduate civilian education such as law and medical degrees.

Service obligations

After the freshman year, scholarship students incur a service obligation of four years active duty and four years in the Inactive Ready Reserve. There are also opportunities to serve all eight years in the Guard or Reserves.

Course Credit

During the four-year program, Army ROTC students complete eight courses of Military Science. Academic credit varies by school.

Tuition

Tuition is waived for any military science course that is not applied toward the degree.

Military Science Courses

During the four-year program, Army ROTC students complete eight courses of Military Science. Academic credit varies by school.

FRESHMAN YEAR

MS 101. Leadership and Personal Development
MS 102. Introduction to Tactical Leadership

SOPHOMORE YEAR

MS 201. Innovative Team Leadership
MS 202. Foundations of Tactical Leadership

** Prerequisite required to enroll*

JUNIOR YEAR

MS 301. Adaptive Tactical Leadership *
MS 302. Leadership in Changing Environments *

SENIOR YEAR

MS 401. Developing Adaptive Leaders *
MS 402. Leadership in a Complex World*

Military Science Department

COMMANDING OFFICER: Michael J. Slocum

MILITARY INSTRUCTORS: Johnny C. Simon, James C. Fournier, Victor M. Sanchez

Information

Inquiries regarding enrollment in the Army ROTC program should be made to the Army ROTC Admissions Officer at 615-322-8550 or 800-288-7682 (1-800-VUOTC) or at the address below. Also see www.vanderbilt.edu/army.

Army Officer Education
Box 326, Peabody Campus
Nashville, Tennessee 37203
615-322-8550
800-288-ROTC



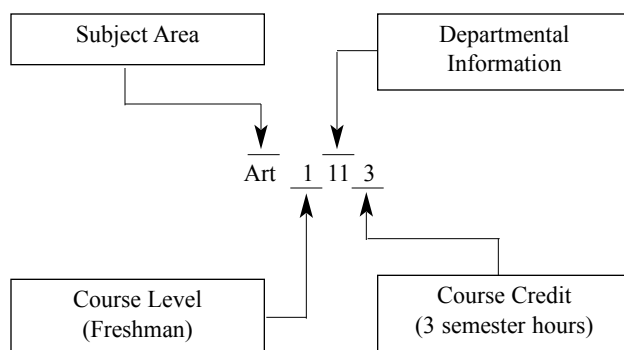
Thirty-one veterans enrolled through Lipscomb's new Yellow Ribbon Program this year.



McFarland Hall is the home of mathematics and the sciences at Lipscomb.

Academic Departments and Course Descriptions

The following section includes a brief description of each of the twenty-eight academic departments at Lipscomb University along with descriptions of all courses offered by each department. As students choose electives from this section to complete their academic program, they should check with their counselor and possibly the academic chair involved to make sure they have the required prerequisites to enter a particular course. Courses are represented by a four-character designation. The first digit indicates the class level: 1—freshman, 2—sophomore, 3—junior, 4—senior. The two middle characters are for departmental use and usually indicate a sequence of courses or categories of courses. The last character indicates the course credit.



The semester that courses are normally offered is indicated by: F-fall, SP-spring, and SU-summer, W-wintermester.

* Indicates the course is normally offered in alternate years. See academic chair for details.



A group of students from Madagascar participate in Initium, an annual ceremony to welcome freshmen to the Lipscomb campus.

Graduation

GN (Graduation)

999X Graduation Course (0)

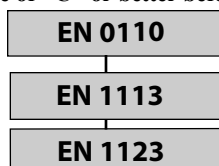
Students **must** be registered for this course the semester all coursework will be completed for graduation. Students are responsible for logging into Blackboard and completing the course requirements. **Students must register for and complete this course in order to graduate.**

Lipscomb Seminar

LU (Lipscomb Seminar)

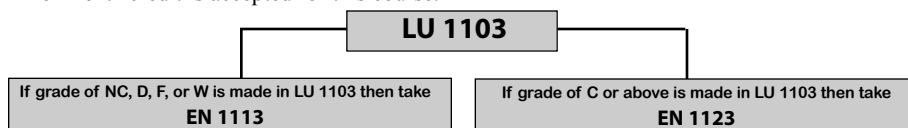
EN0110 Developmental Seminar

The basic introduction to university-level reading, writing, and critical thinking; required during the first semester at Lipscomb for first year students who score below 20 on the written portion of the ACT or below 480 on the written portion of the SAT in English. The Developmental Seminar is intended to help students develop the university-level competencies in reading and writing that are prerequisite to the standard composition sequence. To that end, this course provides an intensive review of English grammar, mechanics, and usage; an introduction to critical thinking; and frequent practice in written composition, including expository essays. **This is a developmental, non-credit course. Students must pass this course with a grade of "C" or better before enrolling in EN 1113.**



LU1103 Lipscomb Seminar (3)

The basic introduction to university-level reading, writing, and critical thinking; required during the first semester at Lipscomb for all first-year students except those who are required to take Developmental Seminar. Discussion-oriented and writing-intensive, the Lipscomb Seminar introduces students to the intellectual endeavor of liberal arts education from a Christian perspective in small group settings designed to develop mentoring relationships, to provoke important questions, to facilitate thoughtful discussion, and to promote critical examination of moral, ethical, social, and spiritual issues. Students will learn to listen attentively to the ideas of others; to express their own ideas clearly and effectively; to approach issues from interdisciplinary perspectives; and to develop the reading, writing, and speaking skills essential for academic success at the university. **Students may not withdraw from this course unless they are withdrawing from the university.** This course *may satisfy* the SALT Tier II requirement. Prerequisite: a score of 20 or better on the English portion of the ACT or a score of 480 or better on the verbal portion of the SAT. A grade of "C" or higher in LU 1103 is necessary to enroll in EN 1123. Instructors may assign a grade of "NC" (no credit) to diligent students who nevertheless fail to earn a "C." However, instructors reserve the right to assign an "F" when, in their opinion, students do not demonstrate satisfactory effort. Students who do not earn a "C" in LU 1103 must earn a grade of "C" or higher in EN 1113 before enrolling in EN 1123. No AP, CLEP, or "Dual Enrollment" credit is accepted for this course.



Developmental Non-Credit Courses

While remedial or developmental courses are designed to move a student toward graduation by bringing him/her up to a level of preparedness to do college work, they do not apply toward graduation credit. Developmental courses benefit the student by being officially counted as part of the load and determining eligibility for financial aid and/or scholarships.

EN0110 Developmental Seminar (3 non-credit hours) F, SP

Required for students who score below 20 on the written portion of the ACT or below 480 on the written portion of the SAT in English. Developmental Seminar is intended to help students develop the university-level competencies in reading and writing that are prerequisite to the standard composition sequence. To that end, this course provides an intensive review of English grammar, mechanics, and usage; an introduction to critical thinking; and frequent practice in written composition, including expository essays. Students must pass this course with a grade of "C" or better before enrolling in EN 1113. See page 32 concerning developmental non-credit courses.

LS0020 Learning Skills and Reading Improvement (2 non-credit hours) F

Intensive practice in methods of understanding and retaining textbook material and other reading material through context clues, vocabulary growth, analysis and organization of ideas, inference and critical thinking. Students in LS0020 will also be required to participate in supplemental instruction workshops and seminars if the instructor deems it necessary to do so. These workshops will cover topics relevant to academic success, such as time management, test-taking, etc. The skills are presented in a supportive atmosphere, and every effort is made to have the students practice the skills with their current classes.

MA1020 Introductory Algebra (3 non-credit hours) F

A review of high school algebra that includes a review of real numbers, equations, inequalities, problem solving,

graphing, polynomials, factoring and systems of equations. Students who score below 15 on the ACT or 360 on the SAT in math will be required to take this course. See page 32 concerning developmental non-credit courses.

MA1030 Intermediate Algebra (3 non-credit hours) F, SP, SU

A review of high school algebra that includes factoring, inequalities and problem solving, rational expressions, functions, exponents and radicals, and quadric equations and functions. See page 32 concerning developmental non-credit courses. Prerequisite: At least a 15 ACT (or 360 SAT) math score or Mathematics 1020 with a minimum grade of "C."

TP0110 Turning Point (1 non-credit hour) F, SP

This course is designed to be offered as part of the Turning Point program. Emphasis is placed upon personal assessment, development of personal goals, accepting personal responsibility, effective self-management strategies, changing self-defeating patterns of thinking and behavior, and becoming life-long learners. Self examination and reflection will be encouraged through group discussions, personal journals, and essay writing. Students who are required to participate in the Turning Point program may be required to enroll in TP 0110 if it is offered. See page 32 concerning developmental non-credit courses.

Global Learning Programs

For more information on Global Learning, see page 37-38.

HU (Humanities)

110V The Cross-Cultural Experience (1-3)

Includes practical information about traveling, living, and studying in the context of cross-cultural communication issues. Students will read about culture shock, cultural stereotypes, and issues connected with the society they will be experiencing. Students will also have assignments designed to lead them to deep cultural issues hiding below the surface culture.

1203 City as Text: London (3) SU

Provides a study of the history and culture of England as reflected in London. Focus will be upon experiential learning, using the city as "text." Before leaving Nashville, students will be assigned appropriate readings to prepare them for their time in London. While in London, students will participate in guided and self-guided explorations of different aspects of London Life. Group time will be devoted to integrating the experiences into a more holistic perspective on London culture. The framework for the course material and experiences may be heavily based on the faculty member's area of expertise.

2003, 2013 World Humanities I, II (3,3) Offered in Vienna and Santiago only

Interdisciplinary courses which explore the development of the Western Humanities through a study of history, art, music, literature, religion, and philosophy. This study helps students to place the cultural achievements of the West in their historical context, and to examine the universal desire for creation and self-expression. The instructor will make extensive use of local cultural and historical resources to incorporate the various disciplines of the Humanities. In addition, extensive group travel will allow on-site investigation of subjects studied in the classroom. Must be taken consecutively. Humanities 2003 may substitute for either History 1113 or 1123. Humanities 2013 may substitute for either Art 1813 or Music 1503.

Elective Internship

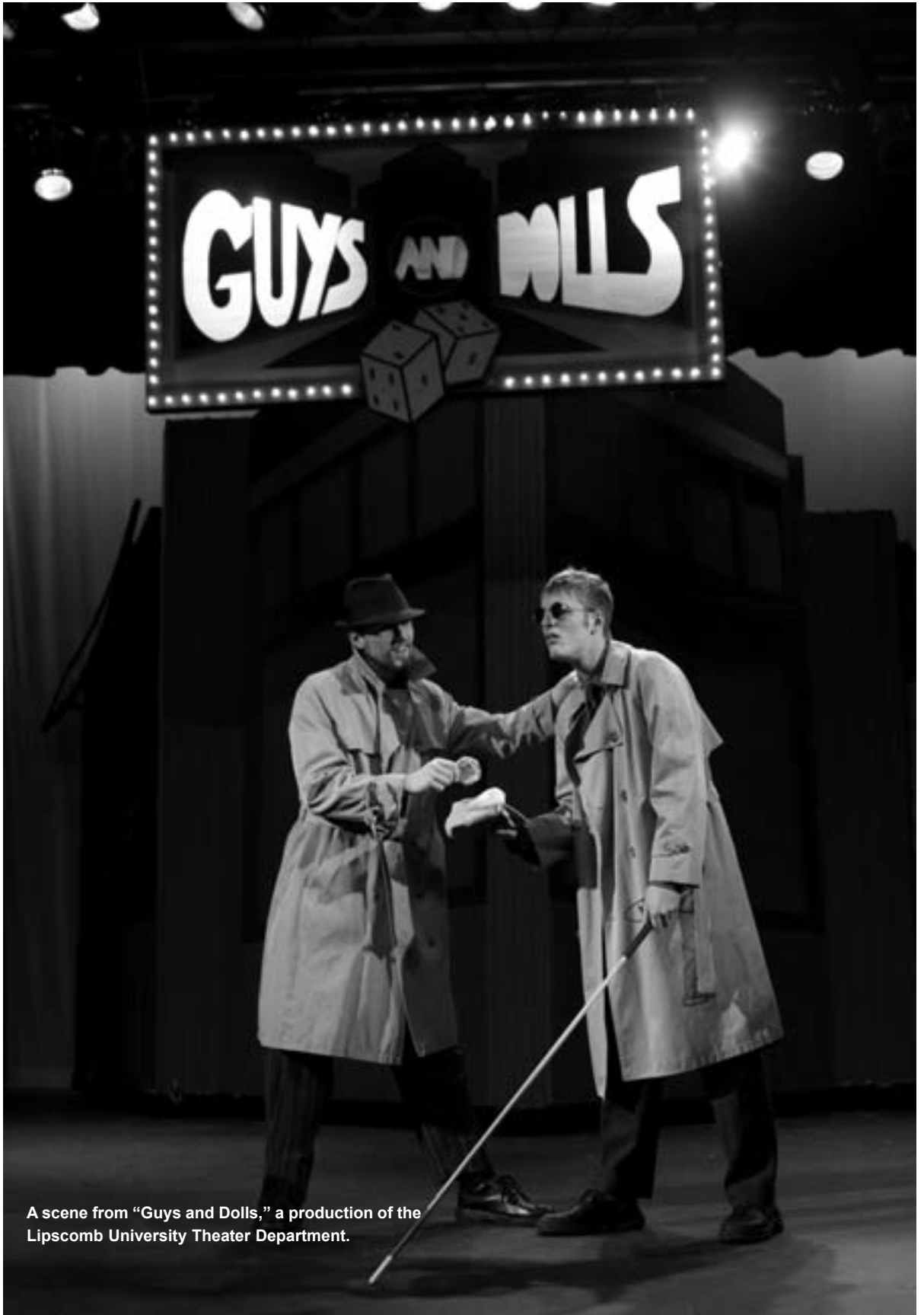
INTR 100V Elective Internship (1-6) F, SP, SU

The elective internship provides an opportunity for students to focus on career exploration and professional development without gaining credit in any particular department or academic discipline. Interns obtain academic credit for practical experience in the workplace while reflecting on professional development during the semester. 195 contact hours plus internship documentation are required for 3 hours of university credit. Attendance at a mandatory internship orientation will provide the intern with a description of all assignments and requirements for the course. Upon attendance, the intern will be provided an override that will permit registration in the course. Grades will be determined by the Lipscomb University internship coordinator based on completion of all assignments as well as evaluations from the on-site supervisor. Further details may be obtained from the Career Development Center. Students may register for one to six hours of credit during any semester or summer term. A maximum of six hours of elective internship credit may be used toward graduation requirements.

University Orientation

UN1101 University Orientation (1) F

University 1101 is designed to provide an extensive orientation to the purposes of higher education, in general and to the institution. Specifically, it is intended to: (1) build self-esteem and confidence during the first year of enrollment, (2) lead the student in understanding the who, what, where, and when of university requirements, (3) introduce study skills necessary for surviving a rigorous academic struggle, (4) indicate opportunities for involvement in the many social activities on the university campus, and (5) provide a faculty member who is caring and supportive during that all-important first year on campus.



A scene from "Guys and Dolls," a production of the Lipscomb University Theater Department.

College of Arts and Sciences

Norma J. Bond Burgess, *Dean*

John D. Smith, *Associate Dean*

The College of Arts and Sciences is the largest of the university's six colleges. The college includes the academic areas that constitute the university's liberal arts core as well as several professional areas. The mission of the college is to provide students with the skills and critical perspectives necessary to become engaged learners prepared to meet the challenges of a constantly changing 21st century world. Drawing upon the intellectual resources of sixteen departments, the college offers students opportunities in both traditional and innovative learning environments in fine and performing arts, languages and literature, psychology, communication, mathematics, natural sciences, history, politics, and philosophy. Interdisciplinary programs are offered in sustainability and law, justice, and society, while a professional program is available in social work. In addition, graduate programs in Psychology, Counseling, and Sustainability are offered through the College of Arts and Sciences. The university's highly respected and successful pre-med program is also housed in the College of Arts and Sciences.

School of Communication and Social Sciences

Communication and Journalism

Family and Consumer Sciences

Law, Justice and Society (see page 205)

Psychology

Social Work and Sociology

School of Fine and Performing Arts

Art

Music

Theater

School of Humanities

English

Foreign Languages

History, Politics and Philosophy

School of Natural Sciences and Mathematics

Biology

Chemistry

Mathematics

Physics

Sustainable Practice (see page 209)

School of Communication and Social Sciences



Mullican Television Studio in Ezell Center.

Department of Communication and Journalism

Linda Peek Schacht, *Associate Professor and Interim Chair*

W. Ray Harris, *Assistant Professor*

James F. McCollum, Jr., *Associate Professor*

Paul E. Prill, *Professor*

Jim L. Thomas, *Professor*

Faculty and students in the Department of Communication and Journalism explore the revolution that is reshaping global communications. Our mission is to provide students with an outstanding education as they study and practice ethical communication in a global society. Small classes with scholars and practitioners give students the opportunity to learn by putting theory into practice beginning in their first course and continuing to their final portfolio. Our teaching reflects not only time-tested journalism and communication basics, but also the rapid change in the way we exchange information in today's society. Our curriculum is designed to train graduates to communicate ethically and effectively in all media and across all platforms so that they enter the journalism or communication profession as excellent communicators, listeners, and critical thinkers; leaders who use communication to affect attitudes and behavior for a better world; and responsible digital citizens who understand the role and use of technology as it changes our world.

Students choose one of three majors: Journalism and New Media; Public Communication and Leadership; or Organizational Communication and Public Relations. A student may also choose an additional concentration reflecting an interest in Health and Health Care communication; Sustainability and Environmental communication; or Sports and Entertainment communication. An individual majoring in communication concentrates in the social sciences and humanities. At its core, the study of communication is the study of human interaction at the levels of interpersonal, small group, public, organizational, and mass communication. In addition to technical skills in video, audio, and online production, students enjoy opportunities to develop skills in writing, public speaking, identifying and coping with barriers and breakdowns of communication, reporting and interviewing, leadership, small group dynamics, persuasion, problem solving and decision-making, negotiation, audience analysis, message and communication campaign development, speechwriting, organizational communication, reputation management, media relations and public relations.

Distinctives of the Communication Department

Facilities

The Department of Communication and Journalism facilities include a fully equipped focus group room and the Mullican Studios, a 6000 sq. ft. communication complex housing television and radio studios, control room, five multi-media production suites, voice-over booth and a newsroom/lab. This complex is home to *LUMINATION* Network, the student media network of Lipscomb University (www.luminationnetwork.com). *LUMINATION* provides television, radio, print, and online opportunities for student journalists. Communication and Journalism majors also may assist with coverage of athletic and other events through a video streaming partnership between Turner Broadcasting and universities of the Atlantic Sun Conference.

Executives and Journalists in Residence

In addition to a communication and journalism faculty known for its work in conflict management, leadership, corporate and government communications, video and radio production, and journalism, several outstanding practitioners bring a depth of experience to the classroom each year. Executives-in-Residence who will teach in 2010-11 include the president of a national public relations firm, the creative director of an international public relations firm, a former FCC Commissioner, and a veteran health care communications executive. Journalists-in-Residence teaching in 2010-11 include these award-winning professionals: a veteran television anchor, a newspaper columnist and editor, and an environmental documentary filmmaker.

Department Speaker Series and Programs

Each year, the department hosts a day of activities with the recipient of its *MediaMasters* award, designed to honor an exemplary body of work in the communication or journalism field. *Pizza and Politics*, co-sponsored with the Department of History, Politics, and Philosophy, showcases local and national political leaders and communicators.

Internships

Every major in the Department of Communication and Journalism is required to complete at least one internship. Lipscomb communication majors have interned at dozens of locations in the last five years, including the following: "Dateline: NBC," E! Radio, the Golf Channel, Tennessee Titans, Titans Radio Network, CMT, WSMV-TV, NewsChannel5, Fox 17, 104.5 The Zone, 95.5 The Wolf, *The City Paper*, Country Music Association, Gospel Music Association, Universal Music Group, Provident Music, The Buntin Group, McNeely Pigott & Fox, Dell Corporation, Governor of Tennessee, Southern Hills Medical Center, Vanderbilt Children's Hospital, Youth Encouragement Services, and Nashville Zoo.

Off-Campus Study

Lipscomb University offers a number of global learning opportunities valuable to communication and journalism majors, including programs in Vienna, Chile, China, Washington, DC, and New York. Opportunities for off-campus study also are available through the Council for Christian Colleges and Universities: the Los Angeles Film Studies Center and the D.C.-based Summer Institute of Journalism programs. More information can be found at www.cccu.org.

Professional Societies

Students are encouraged to join the professional organizations sponsored by the department: the Broadcast Education Association, the Public Relations Student Society of America, and the Society of Professional Journalists.

Career Opportunities

Broadcast, Print, and Online Journalism
Education
Government and Political Campaigns
Social Advocacy
Public Relations and Advertising
Corporate Communications
Personnel Management
Labor-Management Relations
Counseling
Sales
Ministry
Law

The majors in Communication and Journalism are flexible degrees. Many employers cite writing and oral communication skills and an understanding of communication processes as the basic skills for a variety of positions.

Requirements for Majors

The Department of Communication and Journalism offers three majors: Organizational Communication and Public Relations; Journalism and New Media; Public Communication and Leadership. In keeping with a convergence curriculum, six core courses are required for all majors including a capstone class designed to produce a marketable portfolio.

Core Courses for All Majors in Communication and Journalism

Total hours required – 21

Communication 1014 Ethical Communication in a Digital World
Communication 2134 Persuasion and Advocacy
Communication 2144 Writing and Storytelling Across Media
Communication 3013 Cross-Cultural Communication
Communication 3023 Communication Law and Regulation
Communication 4803 or 4813 or 4823 Capstone in _____ (specific to major)

Requirements for Individual Majors

Journalism and New Media Major

B.A. degree program only

Total hours required – 57

Communication Core (1014, 2134, 2144, 3013, 3023)
Specific courses required – Communication 2153, 2614, 2624, 3094, 3433, 3603, 3633, 3643, 3653, 3911 (to be taken 3 times), 4023, 4813

Organizational Communication and Public Relations Major

B.A. degree program only

Total hours required – 53-55

Communication Core (Communication 1014, 2134, 2144, 3013, 3023)

Specific courses required in addition to Core:

Communication 3064, 3703, 3723, 4013, 4803,

13-15 additional hours based on focus:

Focus on Public Relations:

Art 1411, 1722

Communication 2614, 2703,

Marketing 3503

Public Relations majors are encouraged to take the PRSSA practicum (Communication 3941)

Focus on Organizational Communication:

Communication 2703, 3053, 4003, 4043

Management 3503

Six hours of electives selected on recommendation of advisor and based on career goals.

Public Communication and Leadership Major

B.A. degree program only

Total hours required – 52

Communication Core (Communication 1014, 2134, 2144, 3013, 3023)

Specific courses required –

Communication 3033, 3053, 3064, 3073, 4003, 4033, 4043, 4823

Nine hours selected from:

Communication 2203, 2703, 3603

Management 3503

Political Science 2253, 3013

Concentrations

Students at Lipscomb University are required to declare a minor. Students in any communication and journalism major may select one of the following concentrations to satisfy the minor requirement:

Health and Health Care Communication Concentration

Total hours required—21

Encompassing minor in Health; specific focus in required major courses.

Complete requirements for major in Journalism and New Media, Public Communication and Leadership, or Organizational Communication and Public Relations

Additional courses required –

Health 1303, 3302

Family and Consumer Sciences 2613

Psychology 3513

One Communication Topics course in Health Communication

Seven hours selected from:

Health 4342

Psychology 2313, 2423, 3453

Sociology 1123, 2103

Specific Focus Required in Major Courses:

- If Journalism and New Media or Organizational Communication and Public Relations major, at least one practicum must be devoted to health or health care reporting or public relations.
- Required internship for any of the majors must be in Health or Health Care Communication or Journalism.
- Capstone course portfolio for any of the majors must be focused on Health or Health Care Communication or Journalism.

Sports/Entertainment Concentration

Total hours required –24

Encompassing a minor chosen with adviser and department chair; specific coursework focus in required major courses.

Complete requirements for major in Journalism and New Media, Public Communication and Leadership, or Organizational Communication and Public Relations.

Complete minor as chosen with adviser and department chair.

Complete two Communication Topics courses in Sports and Entertainment Communication and Journalism.

Specific Focus Required in Major Courses:

- If Journalism and New Media or Organizational Communication and Public Relations major, at least one practicum must be devoted to Sports/Entertainment Reporting or Public Relations.
- Required internship for any of the majors must be in Sports/Entertainment Communication or Journalism.
- Capstone course portfolio for any of the majors must be focused on Sports/Entertainment Communication or Journalism.

Sustainability and Environmental Communication Concentration

Total hours required—21

Encompassing minor in Sustainability; specific coursework focus in required major courses.

Complete requirements for major in Journalism and New Media, Public Communication and Leadership, or Organizational Communication and Public Relations.

Additional courses required –

Environmental Science 1013

Sustainability 2013, 4123, 4133

One Communication Topics course in Sustainability/Environmental Communication and Journalism.

Six hours selected from:

Chemistry 3333

Economics 3303

English 219V

Environmental Science 3214, 4213, 4991

Management 4713

Political Science 3443

Sustainability 3123, 4113

Specific Focus Required in Major Courses:

- If Journalism and New Media or Organizational Communication and Public Relations major, at least one practicum must be devoted to Sustainable Practice/Environmental Reporting or Public Relations
- Required internship for any of the majors must be in Sustainable Practice/Environmental Communication or Journalism
- Capstone course portfolio for any of the majors must be focused on Sustainable Practice/Environmental Communication or Journalism.

Requirements for Minors

Journalism and New Media Minor

Total hours required – 24 hours

18 hour Communication Core (Communication 1014, 2134, 2144, 3013, 3023)

Specific courses required –

Communication 2153 or 2163

Organizational Communication and Public Relations Minor

Total hours required – 24 hours

18 hour Communication Core (Communication 1014, 2134, 2144, 3013, 3023)

Specific courses required –

Communication 3053

Public Communication and Leadership Minor

Total hours required – 24 hours

18 hour Communication Core (Communication 1014, 2134, 2144, 3013, 3023)

Specific courses required –
Communication 4003

COMMUNICATION (CO)

- 1003 Introduction to Communication (3) F, SP**
An introduction to the principles of interpersonal, small group, public, and mass communication. The course includes theory, application, and performance.
- 1014 Ethical Communication in a Digital World (4) F, SP**
Foundation course exploring public and private communication forms and the social and ethical responsibility of communication roles. Investigates technological and theoretical issues associated with the concept of community and digital citizenship. Lab required.
- 2113 Public Speaking (3) F, SP**
A review of the principles of public speaking with emphasis on style and delivery. The course includes performance as well as theory. Prerequisite: Communication 1003, with a minimum grade of “C.”
- 2134 Persuasion and Advocacy (4) F, SP**
Study and application of seminal and current theories of persuasion for attitudinal and behavior change through advocacy communication. Lab required. Prerequisite: Communication 1014. (Communication 1014 can be taken concurrently).
- 2144 Writing and Storytelling Across Media (4) F, SP**
Focus on creative, character-driven writing to tell stories for all media, including the use of images, recorded video and sound. Students develop narratives for print, television, radio, podcasts or for the web in multimedia form. Lab required. Prerequisites: Communication 1014, 2134. (Communication 2134 may be taken concurrently.)
- 2153 Broadcast and New Media (3) F**
Emphasis placed on reporting, writing and producing for broadcast and new media, including fundamentals of reporting, writing and producing basic, multiple element and feature stories. Assignments will include reporting and producing for Lipscomb student media. Prerequisites: Communication 1014, 2134, 2144. (Communication 2144 may be taken concurrently.) This course *may satisfy* the SALT Tier II requirement.
- 2163 Media Literacy (3) SP**
Media is a powerful tool of education, socialization, and indoctrination that influences our understanding of the world and the way the world functions. It affects how we perceive others and ourselves. This course will ask students to critically examine and analyze the media projects of others, especially those they find in the real world around them and may complement student production activities. Prerequisites: Communication 1014, 2134. (Communication 2134 can be taken concurrently.)
- 2203 Great Speakers, Ancient and Modern (3) F***
Examines the speeches and speaking careers of several speakers from the past and present in an effort to help student better understand the nature of public speaking and improve their own ability to develop speeches.
- 2604 Introduction to Digital Media Production (4) F**
Introduction to digital production with field and lab work in videography and editing. Prerequisites: Communication 1014, 2134, 2144. (Communication 2144 may be taken concurrently.) Lab Required.
- 2614 Reporting the News I: News Writing and Reporting (4) F, SP**
Fundamentals of reporting and writing the basic news story are emphasized. Assignments include reporting, writing and producing news for Lipscomb LUMination Network and its online, radio, print, and television properties. This course does not satisfy requirements for a major in English. Prerequisites: Lipscomb Seminar 1103, English 1123; Communication 1014, 2134, 2144. Lab Required.
- 2624 News Programming I (4) SP**
The basics of in-studio and field/live field news reporting and production for television, radio, and online distribution. Required lab and work on Lipscomb News Programming and LUMination Network. Prerequisites: Communication 1014, 2134, 2144, 2153.
- 2703 Organizational Communication (3) F**
A broad study of the flow of messages in organizations, including individual communication in presentations and interviewing, group problem-solving, negotiation and strategies for communication of leadership vision to achieve stakeholder buy-in.
- 3013 Cross Cultural Communication (3)**
This course is designed to offer a theoretical basis for the concept of cross-cultural communication, followed by in-class practice, community experience and reflection. Prerequisite: Communication 1014.
- 3023 Communication Law and Regulation (3) F**
This course is intended to introduce students primarily to American law and regulation with special attention to new and emerging media. As new communication technologies become more integrated in to our media landscape, new legal and ethical issues are being debated and new law is made. Historical perspectives will be discussed, but the primary focus of the class is on the current status of communicators' legal rights, the theoretical underpinnings on which they are based in order to prepare students both as citizens and as prospective media professionals. Prerequisites: Communication 1014, 2134.
- 3033 Speechwriting and Coaching (3) SP**
A class to prepare students who will write speeches for themselves and for leaders in business, government, and non-profit organizations. Lecture and in-class student presentations. Coaching skills also developed. Prerequisites: Communication 1014, 2134.
- 3043 Media Programming and Marketing (3) SP**
An analysis of the different types of media programming, their audiences, and how to design and market programming to those audiences. Prerequisites: Communication 1014, 2134, 2144, 3013, 3023.
- 3053 Leading Teams (3) SP**
Students will apply theory through experiential learning as they explore their own leadership and followership dynamics in groups and teams. Examines approaches to building group and team competencies through effective communication. Prerequisites: Communication 1014, 2134, 2144.
- 3064 Public Opinion and Reputation Management Research (4) F**
Public opinion research and reputation management principles and techniques. Class will conduct a least one survey and apply findings to reputation management. Prerequisite: Communication 1014, 2134, 2144, 3013.
- 3073 Public Diplomacy and Advocacy (F)**
The study of communication in the interaction of government with three strong and independent players – the media, NGO's and multinational corporations. Highlights the principles and practice of communication in public diplomacy and advocacy today. Prerequisites: Communication 1014, 2134, 2144, 3013.
- 3084 News Programming II (F, SP)**
Advanced work including advanced control room, editing and reporting for television, radio, and online distribution. Required lab

- and work on LUMination Network and Lipscomb News Programming. Required lab prerequisites: Communication 1014, 2134.
- 3094 **Reporting the News II: Editing for all Media (4) SP**
Advanced class in reporting, writing, and producing the news for print, broadcast and online media. Covers multi-media approaches including visual storytelling and reporting with photos and video. Includes editing of news stories and philosophy and practice of editing a newspaper, news program, or online news service. Prerequisite: Communication 1014, 2134, 2614. Lab required.
- 3303 **Communication Theory (3) SP**
A study of communication problems which arise in message conception, message transmission, and message reception.
- 3413 **Media History (3) F**
Survey of the development of journalism and mass media including historiography, and examinations of movements. Prerequisite: Communication 1003.
- 3433 **Media Ethics (3) SP**
An examination of ethical theories as well as standards and practices of media practitioners. Includes development of ethical decision-making skills in the media context. Prerequisite: Communication 1003.
- 3603 **On-Camera Delivery (3) F**
Offers students the opportunity to develop and practice verbal and nonverbal delivery on-camera and effective communication of messages through broadcast media. Covers reporting, hosting, and interviewing for journalism/new media majors; interview and news conference preparation and execution for other majors. Prerequisite: Communication 1003, with a minimum grade of "C."
- 3633 **Radio Programming (3) SP***
Basics of radio programming with focus on developing and producing programs for LUMination Network; Prerequisite: Communication 2604 or permission of instructor.
- 3643 **Video Production I (3) F**
Basics of video production with a focus on television programming in studio and in the field. Students will apply pre-production, production, and post-production techniques in class and individual projects. Prerequisite: Communication 2603 or permission of instructor. This course *may satisfy* the SALT Tier II requirement.
- 3653 **Mass Communication (3) F**
This course will supplement the courses now offered in radio and television broadcasting by stressing the theory of mass communication while the radio and television courses are oriented to the practical side. This course will also benefit those who want to specialize in this area of communication.
- 3703 **Introduction to Public Relations (3) F**
A study of the public relations field including job responsibilities, ethics, research, use of traditional and new media, and planning public relations programs.
- 3723 **Public Relations Writing (3) F**
Practical experience in writing across media and using new and emerging technologies to reach audiences with well-developed messages in news releases, public-service announcements, advertising copy, collateral information pieces, newsletters, and house publications. Prerequisites: Lipscomb Seminar 1103 and English 1123.
- 3743 **Video Production II (3), SP**
Advanced instruction and experience in video production and editing. Prerequisite: Communication 3643.
- 3843 **Live Field Production (3) F, SP**
Training and experience in both field and live field production including telecasting live events across campus. This course *may satisfy* the SALT Tier II requirement.
- 3911 **Practicum in Journalism (1) F, SP**
Writing/reporting or other staff duties for the student newspaper. Minimum of four hours per week. Open to majors and non-majors. Permission from instructor required.
- 3941 **Practicum in Public Relations (1) F, SP**
Membership and participation in campus chapter of Public Relations Student Society of America required. To be repeated twice.
- 3993 **Communication Travel (3)**
A study tour providing experiential analysis of communication applications in selected areas. Preparation work includes reading in the specific area. A major paper is required. The course requires a junior or senior standing with the minimum GPA of 3.0.
- 4003 **Communication and Leadership (3) SP**
The course emphasizes the theory and practice of integrating communication and leadership skills. The course examines the following concepts: leader and follower communication styles; communication skills and the development of leadership styles; the triad of communication, power, and influence; communication and organizational leadership; communication and public leadership; communication and cross-cultural leadership; and ethics involved in communication and leadership.
- 4013 **Internship in Organizational Communication and Public Relations (3) F, SP, SU**
Prerequisite: Proposals for internships must be submitted to and approved by academic chair.
- 4023 **Internship in Journalism and New Media (3) F, SP, SU**
Prerequisite: Proposals for internships must be submitted to and approved by academic chair.
- 4033 **Internship in Public Communication and Leadership (3) F, SP, SU**
Prerequisite: Proposals for internships must be submitted to and approved by academic chair.
- 4043 **Negotiation and Relationship Management (3) F**
This course will develop an understanding of the principles, strategies, and tactics of effective negotiation and professional relationship management, particularly in the fields of communication and public diplomacy. Prerequisites: Communication 1014, 2134, 2144, 3013.
- 4104 **Documentary Production (4) F**
This production-oriented class will provide students with a thorough understanding of the medium of documentary film. Students will create (research, write, visualize, shoot, and edit) short video documentary projects. Prerequisites: Communication 1014, 2134, 2144, 2604.
- 469V **Special Topics (1-3)**
An in-depth study of a particular topic not normally covered or only briefly surveyed in the regular course offerings. Topics will be announced in the semester schedule and can be chosen to fill requirements in department concentrations.
- 4813 **Capstone in Journalism and New Media (3) SP**
Portfolio-based final course with final project focused on both the student's major and/or concentration issues and trends. Prerequisites: All other courses required for major.
- 4823 **Capstone in Public Communication and Leadership (3) SP**
Portfolio-based final course with final project focused on both the student's major and/or concentration issues and trends. Prerequisites: All other courses required for major.
- 4833 **Capstone in Organizational Communication and Public Relations (3) SP**
Portfolio-based final course with final project focused on both the student's major and/or concentration issues and trends.

Prerequisites: All other courses required for major.

498V Independent Study in Communication and Journalism (1, 2, 3) F, SP, SU

A course designed to provide the student with a major or minor from the department the opportunity to pursue independent study or research. Proposals for independent studies must be developed with a faculty member and approved by the department chair.

***Offered in alternate years**



Students during the taping of a news program in the Mullican Studio.

Department of Family and Consumer Sciences

John D. Conger, *Professor and Academic Chair*

Kathy A. Bates, *Assistant Professor*

Anne M. Lowery, *Assistant Professor*

The mission of the Department of Family and Consumer Sciences is to assist students with the ability to communicate effectively, to think critically, and to develop the breadth and depth of knowledge needed by its graduates for participation in careers which serve individuals and families in a variety of settings. The primary purpose of the department is to offer a strong, general Bachelor of Science degree in Family and Consumer Sciences, with the opportunity to emphasize one of six areas of specialization. This is done in the context of a private, Christian, liberal arts education. The overall focus of the department is to train individuals who can then assist others in enhancing the lives of the individuals and families they serve. The knowledge base of this discipline includes concepts from the study of human development and social interaction, resource management, food and human nutrition, apparel and textiles, and shelter and design of the near environment. The integrating focus of the profession is the enhancement of the inter-relationships of people to their near social, economic, and physical environments.

Distinctives of the Family and Consumer Sciences Department Interdisciplinary Program in Fashion Merchandising

The fashion merchandising concentration at Lipscomb is an interdisciplinary program involving Family and Consumer Sciences and Business. Students receive training in all areas of the apparel industry, including selection, design, construction, history, manufacturing, and retail merchandising. Required business courses satisfy the requirements for a distributive minor in the Department of Business Administration.

Textiles and Apparel

The textiles and apparel concentration places an emphasis on textiles and their uses in apparel and in the home. Students study clothing construction, textile chemistry, pattern design, and fundamentals of fashion for today's consumers.

New York Study Course

The fashion merchandising and textiles programs include an annual opportunity to travel to New York City for course credit. Students visit design houses, market shows, retailers, and the Fashion Institute of Technology as a part of the course. This popular travel course provides an excellent opportunity for students to see the fashion industry at work, as well as to network with designers for possible future internships in the field.

Family Ministry

There are increasing opportunities for family practitioners in religious settings. Students can combine studies in Bible and Family Relations to prepare for effective work in family ministry. The curriculum is designed to adhere to the framework established by the National Council on Family Relations' Family Life Education College and University Curriculum guidelines.

Food Systems Management

The concentration in food systems management combines the study of food and nutrition with the study of management for students interested in restaurant management and the culinary arts. Students study food, the management of financial and human resources, and legal aspects of business. Students have the opportunity to gain experience in the field, learning about human resource management, purchasing, inventory, and event planning and management. Students in this concentration earn a minor in business, and have the necessary background to succeed in both culinary training and graduate school in business management.

The Caroline J. Cross Chair

The Caroline J. Cross Chair of Family and Consumer Sciences was established in 1997 to provide enrichment opportunities to students and professionals in this field. It provides financial resources to support and attract to the Lipscomb campus noted and distinguished lecturers, scholars, and special programs.

Career Opportunities

Students who choose a major in Family and Consumer Sciences at Lipscomb may select an area of concentration in which they are particularly interested. There are numerous career opportunities in this field.

Career Opportunities in Food Systems Management

Food management
Hospitality industry
Institutional management
Food marketing
Culinary school

Career Opportunities in the Apparel Industry

Buyers
Consultants
Coordinators
Management of apparel retail
Visual merchandising

Careers with Textiles and Apparel Concentration

Apparel manufacturing
Design
Wardrobing

Career Opportunities in Child and Family Studies

Early childhood and family service settings
Advocacy and political action
Education
Government and international services
Preparation for graduate work in professional roles in marital and family counseling, law, agency leadership, higher education and business
Graduate work in marital and family counseling, law, agency leadership, higher education and business

Family Resource Management and Consumer Services

Emphasis:
Parent education
Other careers serving children, youth, and families

Requirements for Majors

The Department of Family and Consumer Sciences offers one major with five areas of concentration. Each student must take a core set of courses, and select an area of concentration.

Each student must also select an area of concentration in one of the following:

Family and Consumer Sciences Major — Consumer Sciences Concentration

B.S. degree program only

Core Requirements for All Concentrations

Total core hours required- 6-8

Family and Consumer Sciences 1011, 3012, 404V, 4092

Total concentration hours required—49

Specific courses required—

Biology 1003, 2213, 2424

Chemistry 1013, 1023

Family and Consumer Sciences 1113, 1213, 1323, 2113, 2413, 3213

Nutrition 2613

Physics 1013 or Mathematics 1113 or Mathematics 1043

One elective selected from Family and Consumer Sciences 1113 (Repeated for credit), 3133, 4123

One elective selected from Family and Consumer Sciences 3213, 4213, 4223

One elective selected from Family and Consumer Sciences 3433, 3503, 4423

A minor in distributive science is satisfied with this program.

Family and Consumer Sciences Major — Family Relations Concentration

B.S. degree program only

Core Requirements for All Concentrations

Total core hours required- 6-8

Family and Consumer Sciences 1011, 3012, 404V, 4092

Total concentration hours required — 30

Specific courses required—

Bible 4213

Family and Consumer Sciences 2413, 3403, 3433, 3503, 3513, 4423

Sociology 2103

Six hours selected from:

Bible 3273, 3523, 3533, 3543

Family and Consumer Sciences 401V

Finance 2213

Management 3503

Mathematics 2183

Nutrition 2613

Psychology 2423, 3323, 3413, 3453, 3513

Social Work 3113, 3223, 3313, 3333

Sociology 1123

This major, with appropriate electives, is designed according to the Family Life Education College and University Curriculum guidelines, established by the Certification Committee for Family Life Educators, National Council on Family Relations. Students wishing to seek certification must apply with the Certification Committee, NCFR.

Areas of emphasis may be specified on approval by academic chair. All courses required for this major must be completed with a grade of “C” or higher or be repeated.

Family and Consumer Sciences Major — Fashion Merchandising Concentration

B.S. degree program only

Core Requirements for All Concentrations

Total core hours required-8

Family and Consumer Sciences 1011, 3012, 404V, 4092

Total concentration hours required—55-57

Specific courses required—

Accounting 2503, 2513

Business Administration 3703

Chemistry 1013

Economics 2503

Family and Consumer Sciences 1113, 1323, 2113, 3103, 3113, 3123, 3143, 4113

Management 3503

Marketing 3503

Four courses selected from:

Art 1113

Family and Consumer Sciences 1113 (Repeated for credit), 3133, 315V, 400V

Management 3613

Marketing 3543, 3553, 3573

A minor in distributive business is satisfied with this program.

Family and Consumer Sciences Major — Food Systems Management Concentration

B.S. degree program only

Core Requirements for All Concentrations

Total core hours required-8

Family and Consumer Sciences 1011, 3012, 404V, 4092

Total concentration hours required—61

Specific courses required—

Accounting 2503, 2513

Biology 2213, 2424

Chemistry 1013, 1023

Communication 2703

Economics 2503, 2513
 Family and Consumer Sciences 1213, 3213, 4213, 4223
 Management 3503, 3613, 4453
 Marketing 3503, 3573
 Nutrition 2613
 Psychology 3323

A minor in distributive business is satisfied with this program.

Family and Consumer Sciences Major — Textiles and Apparel Concentration

B.S. degree program only

Core Requirements for All Concentrations

Total core hours required—8

Family and Consumer Sciences 1011, 3012, 404V, 4092

Total concentration hours required—27-30

Specific courses required—

Chemistry 1013

Family and Consumer Sciences 1113, 1113 (Repeated for credit), 1323, 2113, 3103, 3133, 315V, 4113

Requirements for Minors

Family and Consumer Sciences Minor

Total hours required—18

Specific course required—

Family and Consumer Sciences 1011

Seventeen hours of Family and Consumer Sciences courses with approval of the academic chair. Nine hours are to be taken in upper-division courses with three areas represented. These areas include: Food and Nutrition, Child Development and Family Relations, Textiles and Clothing, Related Art and Home Furnishings, Family Resource Management and Consumer Economics.

Family Studies Minor

Total Hours Required—18-20

Specific courses required—

Bible 2222

Family and Consumer Sciences 2413, 3403, 3433, 3503

Sociology 2103

Three hours selected from: Psychology 3453, Social Work 3223

For Parent/Child Emphasis the following courses should be taken instead of those listed above:

Bible 2222

Family and Consumer Sciences 2413, 3433, 3451, 3503, 4423

Sociology 2103

Fashion Merchandising Minor

Total hours required—18

Specific courses required—

Family and Consumer Sciences 2113, 3113, 3123, 4113

Management 3503

Marketing 3503

Foods Minor

Total hours required—18

Specific courses required—

Chemistry 1013

Family and Consumer Sciences 1213, 3213, 4213, 4223

Nutrition 2613

Interior Design Minor

Total hours required—18

Specific courses required—

Family and Consumer Sciences 1323, 2113, 2133, 2143, 3323

One course selected from: Family and Consumer Sciences 315V, 400V, Management 3503

In addition to these courses, Art 1113 is strongly recommended.

FAMILY AND CONSUMER SCIENCES (FS)

1011 Professional Orientation (1) F

A study of the discipline as well as career opportunities within the related areas of specialization. Required of all majors; to be completed prior to declaration of major in the department.

1113 Clothing Construction (3) F, SP (on demand)

Student acquires skills in garment construction, fitting techniques, and use of construction equipment. Repeatable for up to six hours with permission of instructor. When repeated for credit, more advanced techniques and specialty fabrics are used.

1213 Basic Foods (3) F

Fundamental principles of food selection and preparation. Lecture: 2 hours; Laboratory: 3 hours.

1323 Art Applied to Everyday Life (3) F

Fundamental principles of design and color as they relate to interior design and fashion.

2113 Textiles (3) SP

Natural and man-made fibers and their development into yarns and finished fabrics. Physical properties, uses, and care of fabrics.

2133 Interior Design I (3) F

A study of space requirements, using the systems approach, with attention given to architectural styles, construction, and the reading, judging, and drawing of house plans. Prerequisite: Family and Consumer Sciences 1323.

2143 Interior Design II (3) SP

Study of the basic components of an interior including wall, floor, window treatment, lighting, furniture arranging, accessories, fabric selection, and planning and designing limited and complex living spaces. Prerequisite: Family and Consumer Sciences 2133.

2413 Early Childhood Development (3) F

A basic study of the development from the prenatal period through the first seven years as well as the environment that facilitates a child's physical, social, and emotional maturity during this period. Scheduled observations of young children are required.

- 3012 Professional Presentation (2) F**
The effective preparation, presentation, and use of demonstrations in careers in areas of Family and Consumer Sciences. This course *may satisfy* the SALT Tier II requirement.
- 3103 History of Costume (3) F**
Survey of the development of clothing throughout history. Special emphasis is given to social, psychological, and economic aspects of clothing.
- 3113 Fashion Buying and Merchandising (3) SP**
Survey of the fashion industry with emphasis on fashion buying.
- 3123 Display and Promotion (3) F**
Basic methods for promoting fashion merchandise. An understanding of design, lighting, and materials is developed. Experience in fashion show production is required.
- 3133 Flat Pattern Design (3) SP (odd numbered years)**
The flat pattern method of making patterns. Half-scale patterns are used for learning purposes. A full-scale sloper is made for the individual and a garment is designed. Prerequisite: Family and Consumer Sciences 1113. Offered on demand.
- 3143 20th Century Fashion (3) SP**
This course will examine the history of fashion from the U.S., Europe, Asia, and other influential countries from 1898 to the present. A comprehensive study will be explored for the social, economic, and technological themes that helped shape each era.
- 315V Interior Fabrications (1,2,3) SP (even numbered years)**
Student acquires skills in construction of pillows, window treatments, and bed and bath items. Student completes samples as well as finished products. Prerequisite: Family and Consumer Sciences 1113 or permission of instructor.
- 3213 Food Science and Production (3) SP**
Emphasis on the scientific aspect of the study of foods, multicultural aspect of food selection and production, and planning, production and service of meals. Individual experimentation using sensory techniques to evaluate the acceptability of food; individual planning, preparation, and presentation of meals taking into consideration nutritional and cultural requirements, budget restraints, timing of preparation, and methods of service. Prerequisite: Family and Consumer Sciences 1213 and Chemistry 1013 with minimum grade of "C." Lecture: 2 hours; Laboratory: 3 hours.
- 3323 Materials and Resources for Interior Design (3) SP**
Study of current products and resources available to interior designers. Includes a supervised sponsored trip to a major market. Trip expenses are not included in tuition.
- 3403 Contemporary Issues in Family Studies (3) F**
An examination of current social, economic, and research issues related to families and households in the U.S. The exact content of the course will vary as determined by the particular issues at the social forefront.
- 3433 Family Interaction (3) SP (even numbered years)**
A review of trends and research in family relationships as well as related models and programs.
- 3451 Nursery School Practicum (1)**
Observation and participation in the guidance of children in the nursery school. Prerequisites: Family and Consumer Science 2413, 4423. (Family and Consumer Science 4423 may be taken concurrently.) Offered on demand.
- 3503 Family Problems (3) SP**
A study of family difficulties and development with emphasis placed on the understanding of family dysfunction through the application of systems theory.
- 3513 Family Resource Management (3) SP**
Management of family resources as they relate to satisfying family and life needs.
- 37nV Special Topics (1, 2, 3)**
Topics of special interest to students and faculty which do not fit one of the current classifications. Students may repeat this course when course numbers are different. These courses are advanced and are intended for students genuinely interested in their content. Permission of the professor may be required. Specific titles will be announced in the course schedule.
- 400V Travel (1, 2, 3) SP**
Offers opportunity to gain experiential knowledge about specific areas of specialization within Family and Consumer Sciences. Repeatable up to six hours with chair approval.
- 401V Independent Study and Research (1, 2, 3)**
Advanced study or research in a specific area of family and consumer sciences. Prerequisites: Courses in the area in which independent study is to be done and with the approval of the academic chair. Open to juniors and seniors only. Offered on demand. This course *may satisfy* the SALT Tier II requirement.
- 404V Internship in Family and Consumer Science (1, 2, 3) F, SU**
Supervised field work in an institution or agency that has an established program or purpose to provide services to individuals or families in an area related to the student's chosen area of concentration. The student observes, works, and contributes to the typical operation of the particular setting. Prearranged and supervised experience must be completed during one term, with regularly scheduled meetings with the instructor and/or supervisor. To be taken in the junior or senior year, after completing a minimum of nine upper-division hours in the concentration. May be repeated for up to 6 hours credit. This course *may satisfy* the SALT Tier II requirement.
- 4092 Senior Seminar (2) SP**
Comprehensive survey, current trends, and projects in the various areas of family and consumer sciences. Prerequisites: Declared major in Family & Consumer Sciences, completion of professional orientation, and senior standing.
- 4113 Fashion Fundamentals (3) F**
A study of contemporary design, designers, and trends in fashion.
- 4213 Food Systems Management I (3) F**
Principles of quantity food preparation and production. Practical experience in planning, purchasing, preparing, and serving of food in large quantities; equipment selection, and cost control. Lecture: 2 hours; Laboratory: 3 hours.
- 4223 Food Systems Management II (3) SP**
Resource management as applied to food service. Analysis of design production and service problems and food safety requirements related to quality of food prepared, stored, and served in volume.
- 4423 Development in Later Childhood (3) SP (odd numbered years)**
A study of the psychomotor, socio-emotional, and cognitive-language development of children from eight to twelve years in the context of their interaction with peers, adults, and the culture.



Fashion merchandising students present an annual fashion show featuring their clothing designs.



Collins Alumni Auditorium is the site of many exciting events during the year.

Department of Psychology

Daniel P. Morris, *Professor and Academic Chair*

Dale Alden, *Assistant Professor*

Shanna D. Ray, *Associate Professor*

Christopher J. Gonzalez, *Assistant Professor*

Paul E. Turner, *Professor*

Roy W. Hamley, *Professor*

The mission of the Department of Psychology is to aid the student in understanding self and others better in an appreciation of the origin, nature, and process of individual differences from the psychological viewpoint; in preparing for first-level entry to the job market as a university graduate; in preparing for graduate work in the discipline; and in preparing for greater service in the home, congregation, community, nation, and world. This faculty believes that psychology has practical application in all areas and activities of life.

Distinctives of the Psychology Department

The undergraduate program in psychology strives to be a student-focused environment with faculty who are known for excellence in teaching and advising. We provide our students with a variety of opportunities to excel not only inside but also outside the classroom. For example, students are regularly engaged in internship experiences, work alongside faculty members to conduct psychological research, attend and present research at local conferences, and participate in the activities of the Psi Chi National Honor Society in Psychology. Our department also offers a graduate program, providing a setting for students to pursue professional training as a counselor after the completion of their bachelor's degree.

Career Opportunities

Human service agencies
Teaching
Management and business
Human Resources
Pursuing graduate training for careers in:
Individual and Family Counseling
School Counseling
Clinical Psychology
Psychological research
Speech-Language Pathology
Education
Social Work
Health Care
Law

Requirements for Major

Psychology Major

B.A. or B.S. degree program

Total hours required—45

Specific courses required—

Psychology 1113, 2313, 2603, 2423, 2503, 3413, 3463, 3543, 4423, 4523, 4543, 4613, plus nine hours of electives in Psychology

Requirements for Minor

Psychology Minor

Total hours required—18

Specific courses required—

Psychology 1113, 2423, 3413, 3463 plus six additional hours in Psychology

PSYCHOLOGY (PS)

- 1113 Introduction to Psychology (3) F, SP**
An introductory course covering a variety of topics within the field of psychology such as sensation-perception, consciousness, learning and memory, motivation, emotion, development, attitudes, and others.
- 2313 Behavior Modification (3) F, SP**
A study of the application of behavioral principles (classical and operant conditioning) to applied settings. Prerequisite: Psychology 1113.
- 2423 Life Span Development (3) F, SP, SU**
A course designed for psychology and social work majors, though open to all students, as a practical survey of human development from conception through death and dying. Prerequisite: Psychology 1113.
- 2503 Behavioral Statistics (3) F, SP, SU**
The course provides an introduction to descriptive and inferential statistics with applications for the social and behavioral sciences. Special emphasis placed on applying statistical tests to a variety of experimental and quasi-experimental designs. SPSS software skills will also be introduced for data entry, data display, and statistical analysis. Not open to mathematics majors without approval from the Mathematics Department. Non-majors need approval by instructor. Prerequisite: Mathematics 1113 (or 23 ACT or 505 SAT score).
- 2603 Introduction to Psychological Research (3) F, SP**
An overview of research methods in psychology with a special emphasis on library research. A research paper consistent with the format specified in the Publication Manual of the American Psychological Association is required. Prerequisite: Psychology 1113.

- 3141 Independent Research (1) (offered on demand)**
An individual study course in which the psychology major or minor is to conduct library or empirical research under the direction of a faculty member. Course can be re-taken for a total of 3 hours credit.
- 3243 Human Development and Learning (3) F, SP**
A study which applies psychological theories to the classroom setting with regard to: 1) physical, social, emotional, and mental development processes of the child from the prenatal state through the adolescent years, and 2) learning theories, individual differences, motivation, cognitive styles, and measurement and evaluation associated with the teaching-learning process. Required observation and assessment experiences are included. Open only to students seeking certification in the teaching profession. Prerequisite: Psychology 1113.
- 3323 Business and Industrial Psychology (3) F**
An introductory study of behavior in organizations, including group behavior, individual adjustments, and special groups in organizations. Emphasis is placed upon techniques for motivating and supervising others and upon personnel selection and training in industry. Various aspects of work and career design are considered. Prerequisite: Psychology 1113.
- 3413 Social Psychology (3) F, SP**
A study of interpersonal human relationships with attention to person perception, attribution, nonverbal communication, altruism, affiliation, attraction, conformity, aggression and attitude formation and change.
- 3453 Death and Dying (3) F, SP, SU**
A study of the psychological aspects of the grief process in facing death and of bereavement in the loss of loved ones by death. Emphasis is upon developing personal, interpersonal, and religious resources to assist in facing one's own death and for helping others who experience such loss. Prerequisite: Psychology 1113.
- 3463 Personality Theories (3) F, SP, SU**
A survey of the significant theories of personality development with an emphasis on both historical and current personality theories and models. Prerequisite: Psychology 1113.
- 3513 Drugs and Behavior (3) F, SU**
A study of the nature and effects of drugs which are involved in substance abuse and those which are used in the treatment of specific emotional and psychological disturbances and illnesses. Prerequisite: Psychology 1113.
- 3543 Psychological Measurement (3) F**
An introduction to the theory and techniques of psychological measurement, including the various tests of human abilities, attitudes, and personality characteristics along with discussion of various intelligence testing techniques. Gives the student the conceptual framework for more advanced study. Prerequisite: Psychology 2503.
- 412V Psychological Topics (1-3)**
A course to be offered occasionally upon a given topic in psychology, such as "hypnotism," which does not merit a standard regular status but which may enrich the student's studies overall. Prerequisite: Psychology 1113.
- 4423 Abnormal Psychology (3) F, SP, SU**
A survey study of the definitions, history, causes, and developmental and treatment processes of abnormal (maladaptive) patterns of human behavior. Prerequisite: Psychology 1113.
- 4433 Introduction to Clinical Psychology (3)**
An overview of the practice of clinical psychology with emphasis on interviewing, assessment and evaluation, use of psychological tests and an introduction to techniques of psychotherapy and various treatment strategies used in a variety of clinical settings. Ethical and legal issues will be considered. Prerequisite: Psychology 1113. Offered on demand.
- 4523 Cognitive Psychology (3) SP**
A course which focuses on the major theories related to learning with special attention to the study of memory and information processing. Prerequisite: Psychology 1113.
- 4543 Biological Psychology (3) F, SU**
A course which surveys the biological basis of behavior. The course surveys neuroanatomy, functioning of the nervous system, endocrine hormones, and other biological and chemical influences upon behavior. Prerequisite: Psychology 1113.
- 460V Internship in Psychology (1-3)**
A course designed to provide the psychology major with internship experience in agencies suited to the student's career goals. This course is only open to psychology majors unless specifically exempted by the academic chair. The student must arrange for the internship in the semester preceding the one in which the course is actually to be taken. Prerequisite: PS 1113. Offered on demand.
- 4613 History and Systems of Psychology (3) F, SP**
A study of the development of psychological thought from philosophical beginnings with emphasis upon leading theorists and their concepts from 1879 to the present. This is the capstone senior seminar course for psychology majors. Prerequisite: Senior standing.
- 4913 Research Practicum (3)**
Psychology research projects to be generated by the instructor with the goal of presentation at psychology meetings and/or publication. Strongly recommended for students interested in Psychology Ph.D. programs. Prerequisite: Psychology 1113. Offered on demand.

Department of Social Work and Sociology

Hazel F. Arthur, *Associate Professor and Academic Chair*

Donnetta Hawkins, *Assistant Professor*

R. Elizabeth Jent, *Assistant Professor*

“From life’s beginning to its end, from the first cry to the last smile, social workers touch the world...and Christian social workers touch the world for God.”

The mission of the Social Work Program is to prepare students to touch the world for God as competent, compassionate generalist social workers who exhibit Christ-likeness through interpersonal sensitivity, sacrificial service, academic excellence, professional passion, and personal integrity.

The Social Work and Sociology Department offers a major in Social Work, a minor in Social Welfare, and a minor in Sociology.

Social Work

Lipscomb’s social work program is accredited by the Council on Social Work Education. This is the ONLY national accrediting body for social work. Because of this accreditation, students are eligible for Advanced Standing MSSW programs. **Lipscomb Social Work graduates can earn a Masters Degree in Social Work in one year after graduation from Lipscomb.**

Lipscomb students earn the Bachelor of Social Work (BSW) Degree. **Lipscomb social work students do not need additional hours of math or science for the BS or music, art, or philosophy for the BA degree. Lipscomb Social Work graduates’ credentials are evident on their degree, making applying and interviewing for employment a simpler process.**

Lipscomb students earn over 500 hours of supervised practice experience during their time in the program. This is earned in service learning experiences in Introduction to Social Work and Social Work with the Aging, as well as in two field placements as seniors. The Social Work program has relationships with numerous agencies in the Nashville and surrounding area. **As a result of these hours of experience and the program’s relationships with the practice community, Lipscomb Social Work graduates are preferred for employment.** Recent Lipscomb Social Work students have been placed in schools, hospitals, counseling agencies, foster care and adoption agencies, long-term care or nursing facilities, crisis pregnancy services, teen shelters, juvenile court, domestic violence shelters, and others.

Lipscomb Social Work faculty and students have participated in mission efforts across the state, across the country, and in countries around the world. Beth Jent, Assistant Professor of Social Work, together with her husband Mark, leads a summer mission trip to Australia and a Spring Break trip to Mexico each year. In recent years, Social Work students have participated in or led international mission trips to Guatemala, Africa, Australia, and Honduras. In addition to teaching about Christ, students on these trips have served children in orphanages, elderly people, poor families, and people in need of medical care.

Lipscomb Social Work faculty and students have used their research skills to improve services on the campus, in Nashville, and across the country. Recently Lipscomb Social Work senior students have supported Youth Encouragement Services and Choral Arts Link, Inc. through multiple research efforts.

The Social Work Program is housed in Lipscomb’s newest academic building, the Ezell Center. Students benefit from classrooms equipped with state-of-the-art technology, including an Interviewing and Recording Skills Lab with stationary recording equipment and one-way glass for observation.

According to the Substance Abuse Mental Health Services Administration, social workers are the nation’s largest group of mental health providers. Federal law and the National Institute of Health consider social work as one of five core mental health professions. Over 40% of all disaster mental health volunteers trained by the Red Cross are social workers.

Sociology

Sociology courses are available primarily in support of general education requirements, as well as nursing, social work, and education majors. These courses are designed to acquaint students with the nature of human relations and society, as well as provide them an understanding of society’s essential structures and processes.

Career Opportunities

Social work graduates provide case management, counseling, and support services to individuals, families, groups and communities through employment in:

Child and family service agencies
Nursing homes
Senior citizen centers
Hospitals
Day care
Children's homes
Agencies providing child and adult protective services
Foster care
Adoptions
Residential treatment
Home health care
Pursuit of advanced degrees in the medical, legal, and business fields
Personnel work and employee assistance programs
Public relations work with public and private organizations
Administrative and sales work

Requirements for Major

Social Work Major

B.S.W. degree program

Total hours required—68

Specific courses required—

Biology 2213*

Psychology 1113, 3513**

Social Work 1103, 2313, 2333, 3113, 3223, 3313, 3533, 3543, 3613, 3623, 3632, 4323, 4513, 4523, 4903, 491B

Sociology 1123**

A distributive social science minor requirement, built into the major, is met with required courses in Biology, Psychology and Sociology. **This means that students majoring in social work do not need an additional minor.** Under the supervision of the social work faculty, social work practicums 3632 and 491B are completed in an approved social work agency during the senior year. **Application for admission to Social Work 3632 and 491B must be made at the beginning of the semester preceding placement.** (The Social Work Program does not grant academic credit, course waivers, or field practicum credit for life experience or previous work experience, per CSWE curriculum policy requirements.)

Social Work majors earn the Bachelor of Social Work (BSW) Degree, rather than the Bachelor of Science (BS) or Bachelor of Arts (BA) Degree. **This means that Social Work students do not need the extra math or science hours required for the BS Degree or the foreign language hours required for the BA Degree.**

No grade below "C" will be accepted for any Social Work "C". For other academic requirements, consult the Social Work Student Handbook which may be obtained from the Social Work program.

Requirements for Minors

Social Welfare Minor (non-social work majors only)

Total hours required—18

Specific courses required—

Social Work 1103, 2353, 3113, 3223, 3313

Three hours selected from Social Work 2313, 3333, 401V, 3nnV

Sociology Minor (non-social work majors only)

Total hours required—18

Specific courses required—

Sociology 1123, 2103; Social Work 3113

Three additional courses in Sociology and/or Social Work 2353, 3313, 3223, 3333.

Admission to the Social Work Program

In accordance with CSWE accreditation standards, the Social Work program has a formal admission process, which typically occurs in the student's junior year, after the completion of SW 1103, 2313, and 3533. Admission must be obtained prior to a student's entry into SW 3623 and SW 3632, which are taken in the fall of the senior year. Applications for admission to the Social Work program are available from the Social Work Program Director. A completed admission packet includes an application; a brief autobiography utilizing the outline contained in the application, references from three non-social work faculty, staff, or administrators; and the summary results of the Myers-Briggs and Taylor-Johnson Inventories taken in (and provided without cost to the student) the University Counseling Center.

Prerequisites: Social Work course descriptions listed on the following pages include required prerequisites. **Because of course sequencing, students are advised to complete SW 1103, Introduction to Social Work, prior to the fall of their junior year. Failure to do so may delay a student's graduation. Since most Lipscomb students have several elective hours, students interested in the helping professions (psychology, family studies, education, counseling, nursing, family ministry, etc.) should consider enrolling in the SW 1103 course as an elective during their freshman or sophomore year. Doing so would prevent a graduation delay in the event the student later wished to change majors and earn the BSW degree.**

SOCIAL WORK (SW)

- 1103 Introduction to Social Work (3) F, SP**
Provides the student with an overview of the social work profession with an emphasis on professional values, ethics and the diverse population groups served. It is designed to give the student a beginning knowledge of generalist practice and explore career opportunities in various fields of social work. Includes a 25-hour required service learning experience. This course *may satisfy* the SALT Tier II requirement.
- 2313 Social Welfare Policy and Services I (3) F**
Focuses on an understanding of the development of social welfare institutions and services. Explores the way in which changes in a democratic society affect social policy and how this influences the structure of the social welfare delivery system. Must be at sophomore level or above. Prerequisite: Social Work 1103.
- 2333 Interviewing and Recording Skills (3) F, SP**
This course examines the knowledge and values required for generalist social work practice while specifically focusing on the skills necessary for effective micro-level intervention. The student will be introduced to interpersonal skills, techniques of the assessment and interviewing process and beginning recording skills. Includes lab outside of class time. Prerequisite: Social Work 1103.
- 2353 Effects of Disability (3) SP**
This course is designed to introduce the student to disability issues. Current legislation, resources and intervention strategies will be included in this study. Use of guest speakers and/or field trips will enhance the student's understanding and awareness of people who are disabled.
- 3nnV Special Topics Course (1, 2, 3)**
This course provides an opportunity for the examination of special issues or participation in unique experiences beyond basic social work curriculum. Examples may include issues that are particularly timely and relevant to social work practice as a result of social, political, or economic factors present at a given time. Course may include community service or service learning component.
- 3113 Race and Ethnic Groups (3) F, SP**
A study of the issues and challenges arising from local, national, and international racial and ethnic group relations, with special emphasis on diversity and the dynamics of discrimination within the U.S. culture.
- 3223 Social Work with Aging (3) F**
An ecological, systems perspective is utilized to understand the physical, spiritual, social and psychological aspects of aging in diverse populations. The implications of aging for the family unit, as well as the political, legal, and economic systems are explored. Emphasis is placed upon ethical practice, as students prepare to provide direct services to aging individuals and their families, to recognize service needs and gaps, and to become advocates for improvements in policy and services. Includes a 15-hour required service learning experience. This course *may satisfy* the SALT Tier II requirement.
- 3313 Child Welfare (3) F**
A study of the child welfare system and how services are provided to children and their families. Emphasis is placed on home-based services, child abuse and neglect, foster care, residential care, adoption, and services to maternity clients.
- 3333 Juvenile Justice (3) F**
This course is designed to provide the student with an understanding of the development of the juvenile justice system, its structure, current issues and problems, and the role of social work within this system.
- 3533 Human Behavior and the Social Environment I (3) F (formerly 3523)**
This course focuses on the diversity of individuals, examining the biological, social-structural, psychological, and cultural sources of human behavior. Systems theory and an ecological perspective are utilized in understanding the development of individuals and families throughout the life cycle. A planned change model approach provides the framework for addressing individual and family issues within the context of the environment in which they exist. Prerequisites: Social Work 1103, Sociology 1123, Psychology 1113.
- 3543 Human Behavior and the Social Environment II (3) SP (formerly 3513)**
This course continues to develop the framework presented in Social Work 3533, examining the definition and development of families, groups, organizations, and communities. Traditional and alternative perspectives are examined in defining and understanding the development and behavior of each of these groups. Utilizing systems theory and an ecological perspective as a framework for planned change, the course will focus on understanding for the purpose of intervening with and on behalf of diverse families, groups, organizations, and communities. Prerequisites: Social Work 3113, 3533. Prerequisite or corequisite: Biology 2213.
- 3613 Social Work Practice I (3) SP**
This course is designed to assist the student in a critical study of generalist social work practice. Such a practice is characterized by a working knowledge of generalist methods of planned change to be used in direct services to individuals, families, groups, organizations, and communities. This course focuses on micro and mezzo practice and places special emphasis on broad based knowledge and skill for intervention with families and groups. This is the second semester of work of the social work practice sequence. Prerequisites: Social Work 1103, 2333. Open to Social Work majors only.
- 3623 Social Work Practice II (3) F**
A continuation of Social Work 3613 this course focuses on the philosophy, knowledge base, and methods of social work intervention, with emphasis placed on organization and community change. Utilizing experiences from Social Work 3632, the student participates in self-evaluation as well as agency analysis and evaluation. Strategies for identifying needed changes and maximizing available resources are examined. Prerequisite: Social Work 3613 and Psychology 3513. Must be taken concurrently with Social Work 3632. Open to Social Work majors only.
- 3632 Social Work Practicum I (2) F**
Practice in a social work field is an important part of social work education. This course provides an opportunity for an initial planned experience in a social work agency. Requires a minimum of 4 hours per week in the agency and one hour per week in class. The student must make application for placement and be accepted by social work faculty. Must be taken concurrently with Social Work 3623. Open to Social Work majors only.
- 401V Independent Readings and Research (1, 2, 3)**
Directed individual reading and study in one or more specialized areas of social work, designed to strengthen and enhance the student's knowledge. Offered upon request.
- 4323 Social Welfare Policies and Services II (3) SP**
Emphasis on social policy development, change, and the social worker's participation in the policy and planning process. Critical analysis of selected social welfare policies currently before the public will be made. Prerequisites: Social Work 2313 and Sociology 1123. Open to Social Work majors only.
- 4513 Research Methods (3) SP**
The research methods course is designed to acquaint the student with a practical understanding of science and its relationship to social work practice, through a review of research methods and strategies, program evaluation, scientific terminology, and relevant ethical issues necessary for becoming an effective generalist social worker. Prerequisite: Mathematics 1043 or a higher level course.
- 4523 Applied Social Work Research Methods (3) F**
The research methods course is designed to acquaint the student with a practical utilization of science—through the application of research methods and strategies, program evaluation, and relevant ethical issues—necessary for becoming an effective practitioner in the social sciences. Prerequisites: Social Work 3613, 4323, 4513. Open to Social Work majors only. This course *may satisfy* the SALT Tier II requirement.

4903 Seminar in Social Work Practice (3) SP

This course provides an opportunity for the students to analyze their field experiences and integrate theory with practice. In an informal setting, the students meet for three hours on each Friday to discuss and debate the practicalities and realities of delivering social welfare services—to individuals, groups, or communities—with an emphasis on the student's pursuing his or her major career interest. Taken concurrently with Social Work 491B. Open to Social Work majors only.

491B Social Work Practicum II (12) SP

The student will be assigned to a social service agency Monday through Thursday for 32 hours per week. The agency will provide a planned experience in social work practice with individuals, groups, and communities under professional supervision. The student must complete an application and be accepted by social work faculty for placement. Prerequisites: Social Work 3623, 3632. Open to Social Work majors only.

SOCIOLOGY (SO)

1123 Introduction to Sociology (3) F, SP, SU

A basic study of the nature of human society, with its structure, forces, and changes.

2103 The Family (3) F, SP, SU

A study of the family, its history, development and problems. Emphasis is placed on its structure and functions as a social institution.

2113 Social Problems (3) SP, SU

A study of contemporary difficulties and disorganization facing modern society. Prerequisite: Sociology 1123.

3023 Criminology (3)

A study of the nature, causes, and treatment of crime and delinquency. Offered on sufficient demand and scheduling availability.

401V Independent Reading and Research (1, 2, 3)

Directed individual reading in sociological classics, study, or research for advanced students. Permission of the instructor required. Offered upon request.



Starbucks is a popular feature of the Bennett Campus Center.



A student in a painting class.



An art student paints during an outdoor class session.

Department of Art

Laura Lake Smith *Assistant Professor and Academic Chair*
Rocky Horton, *Associate Professor* Clifford E. Tierney, *Assistant Professor*
Jonathan Paul Gillette, *Visiting Graphic Designer*

The Department of Art fosters aesthetic development and provides strong foundations in historical, theoretical, and critical studies in art as it is applicable to each major. We currently offer two Bachelor of Fine Arts degrees - Graphic Design and Studio Art - and four Bachelor of Arts degrees with comprehensive studies in Art Education, General Studies in Art, Graphic Design, and Studio Art. The department also offers minors in Graphic Design, Art, and Art History.

Distinctives of the Art Department

The Department of Art has access to numerous museums, galleries, local artists' studios, conferences, and graphic design firms in Nashville. Prime museums include the Frist Center for the Visual Arts, Cheekwood Museum of Art, Tennessee State Museum, and the Parthenon Gallery as well as Nashville's downtown public library, which has exhibitions and speakers on art, photography, and graphic design. In addition, many local artists open their private studios to the public and show regularly around the city.

The department as well as the city of Nashville provides students with the opportunity to get involved with a variety of internships. Examples include our students working with other artists in their studios, education-based internships at local art institutions, and hands-on experience at various graphic design firms and agencies.

The department also encourages our students to participate in Lipscomb's Global Learning program as students can receive credit for art history courses during such a study. Two of the many programs that the Department of Art encourages students to go on are the Lipscomb in London and the Lipscomb in Vienna trips.

Situated in Nashville, Lipscomb is positioned within driving distance of numerous cities with outstanding arts resources: St. Louis, MO; Birmingham, AL; Chattanooga, TN; Chicago, IL; Louisville, KY; Memphis, TN; Atlanta, GA; and Cincinnati, OH. Every academic year, art majors go on field trips with professors so that all art majors can experience their major area of graphic design, studio art, and art education in an "out-of-school" context.

Career Opportunities

Industrial, technical, and scientific artists are needed to prepare the thousands of visual aids and publications for business, government, and educational institutions. Some of the opportunities available to graduates with art training are these:

| | |
|-----------------------|------------------------------------|
| Graphic Designer | Fine Artist |
| Page Designer | Theater Designer and Stage Crafter |
| Print Designer | Exhibition Designer |
| Art Conservator | Corporate Art Designer |
| Curator | Industrial Designer |
| Creative Art Director | Arts Management |
| Art Educator | Professional Photographer |

Departmental Admission Requirements

A strong academic background will be valuable. Any art courses or experiences requiring artistic skills should be sought. A portfolio of high school art work is required of all incoming students, freshmen and transfers, and will be used to determine initial admission to the program and scholarship recipients.

Requirements for Majors

Graphic Design Major

B.F.A. degree program only

Total hours required-80

Specific courses required-

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722, 3 hours of rotating special topics in foundations

Required Graphic Design Courses:

Art 3713, 3723, 3733, 3773, 3913, 4943, 4912

Choice of 9 hours from the following:

Art 3123, 3763, rotating special topics in graphic design

Art History Courses:

Art 2513, 4813, 4823, 4843, 6 hours of additional courses from rotating special topics in art history

Choice of 9 hours of additional studio art courses

The B.F.A. in Graphic Design has a built-in minor of art history. No other minor is required.

Post-foundation portfolio reviews will take place after a student has completed core foundation classes. Reviews will be conducted by faculty. If a student does not demonstrate foundational skills and abilities that are needed to gain access to the upper level courses, students will not receive the necessary recommendation for advancement in the program.

Studio Art Major

B.F.A. degree program only

Total hours required-80

Specific courses required-

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722, 3 hours of rotating special topics in foundations

Required Studio Second Tier Courses:

Art 2253, 2313, 2613

18 hours selected from:

Art 2213, 2223, 2263, 2323, 3113, 3623, 4213, rotating special topics in studio art

Required Advanced Tier Courses:

Art 431V, 4932

Art History Courses:

Art 3133, 4813, 4823, 4843, 4933, 6 hours of additional courses from rotating special topics in art history

The B.F.A. in Studio Art has a built-in minor of art history. No other minor is required.

Post-foundation portfolio reviews will take place after a student has completed core foundation classes. Reviews will be conducted by faculty. If a student does not demonstrate foundational skills and abilities that are needed to gain access to the upper level courses, students will not receive the necessary recommendation for advancement in the program.

Art Major - Graphic Concentration

B.A. degree program only

Total hours required-51

Specific courses required-

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722, 3 hours of rotating special topics in foundations

Graphic Design Courses:

Art 3713, 3723, 3733, 3773, 3913, 4943

Art History Courses:

Art 2513, 4813, 4823

Post-foundation portfolio reviews will take place after a student has completed core foundation classes. Reviews will be conducted by faculty. If a student does not demonstrate foundational skills and abilities that are needed to gain access to the upper level courses, students will not receive the necessary recommendation for advancement in the program.

Art Major - Studio Concentration

B.A. degree program only

Total hours required-51

Specific courses required-

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722, 3 hours of rotating special topics in foundations

Studio Second Tier Courses:

Art 2253, 2313, 2613

12 hours selected from:

Art 2213, 2223, 2263, 2323, 3113, 3623, 4213, rotating special topics in studio courses

Art History Courses:

Art 4813, 4823

Post-foundation portfolio reviews will take place after a student has completed core foundation classes. Reviews will be conducted by faculty. If a student does not demonstrate foundational skills and abilities that are needed to gain access to the upper level courses, students will not receive the necessary recommendation for advancement in the program.

Art Therapy Major

B.A. degree program only

Total hours required-75 (including a built-in 18-hour minor in Psychology)

Specific courses required in Art-57 hours

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722, 3515, 3 hours of rotating special topics in foundations

Studio Second Tier Courses:

Art 2213, 2253, 2313, 2613

Art History and Theory Courses:

Art 3133, 4813, 4823, 4843

Choice of 6 hours of studio course electives at the 2000 level or above

Specific courses required in Psychology-18 hours

Psychology 2423, 2503, 3413, 3463, 3513, 4423

*Psychology 1113 must be taken prior to beginning this minor

Post-foundation portfolio reviews will take place after a student has completed core foundation classes. Reviews will be conducted by faculty. If a student does not demonstrate foundational skills and abilities that are needed to gain access to the upper level courses, students will not receive the necessary recommendation for advancement in the program.

Visual Arts Administration Major

B.A. degree program only

Total hours required-69 (including a built-in 18-hour minor in Business)

Specific courses required in Art-51 hours

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722, 3 hours of rotating special topics in foundations

Art History, Theory, and Practice Courses:

Art 2513, 3133, 4813, 4823, 4843, 4933, 9 hours of special topics in Art History, Art Administration, Interdisciplinary courses, and/or Internships

Specific courses required in Business-18 hours

Accounting 2503

Business Administration 1013 and 3703

Management 3503 and 4453

Marketing 3503

*Economics 2503 must be taken prior to beginning this minor

Post-foundation portfolio reviews will take place after a student has completed core foundation classes. Reviews will be conducted by faculty. If a student does not demonstrate foundational skills and abilities that are needed to gain access to the upper level courses, students will not receive the necessary recommendation for advancement in the program.

Visual Arts Teaching Major

B.A. degree program only

I. General Education required of Secondary and K-12 teacher education students (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

Art 3502

III. Subject Matter Specialization

Specific courses required-

Foundation Courses:

Art 1013, 1023, 1113, 1123, 1213, 1411, 1513, 1722

Other required courses:

Art 2233, 2253, 2613, 3513, additional Studio Art course of choice

Art History Courses:

Art 4813, 4823, 4843

Visual Arts Teaching Majors have a built-in minor in education and are not required to take another minor.

Requirements for Minors**Art Minor**

Total hours required-18

Specific courses required

Art 1013, 1113, 1123, 1411, 1722

Choice of one art history course

Choice of an additional studio course.

(Art 1813 does not count toward the minor.)

Art History Minor

Total hours required-18

Specific courses required-

Art 4813, 4823, 4843

Choice of 3 additional art histories/theories

Graphic Design Minor

Total hours required-18

Specific courses required-

Art 1411, 1722, 3713, 3723

Choice of 3 additional courses in graphic design

ART (AR)**1013 Surface Design Studio (3) F**

A foundational studio course designed to nurture a student's ability to create and understand two-dimensional imagery. Fundamental principles and elements of design will be implemented in both traditional and digital formats. Content will explore the context of imagery in the larger art culture both current and historically. Studio course - meets 6 hours each week. Studio fee: \$55.

1023 Spatial Design Studio (3) SP

This course is a comprehensive investigation of three-dimensional phenomena in fine art and design. Will cultivate a student's ability to think, perceive, visualize, design and build in three dimensions. Issues of understanding and envisioning space, objects, scale and the relationship of the body to the built environment are subjects of the course. Students will acquire a broad skill set of fabrication techniques and an inquiry into the possibility of 21st-century materials. Studio course - meets six hours each week. Studio fee: \$55.

1113 Foundation Studio I (3) F

This foundational studio course places emphasis of art and design in both context and content. The main principles of structure, material, construction, form, and space will be discussed. As the primary studio offering in the first year of study these courses stress the importance of building values, traditions, expectations and habits inherent in the studio art culture. Studio course - meets six hours each week. Studio fee: \$55.

- 1123 Foundation Studio II (3) SP**
This is a continuation course to Studio I and will emphasize a more rigorous work ethic that will further build proper studio practices. Projects and assignments will be geared towards developing artistic processes that will be conducive to creating a basis for working as professional artists and designers. Prerequisite: Art 1113. Studio course - meets six hours each week. Studio fee: \$55.
- 1213 Color Theory (3) Offered at department's discretion**
This foundational course will explore the historic and contemporary approaches to using color both in art and culture. Students will be required to complete experiments and projects that will give them a better understanding of color in their own practice as well as the implications color has within a variety of cultural contexts. Studio fee: \$55.
- 1411 Digital Photo Mechanics (1) F, SP**
This is a basic tutorial in digital camera operations. Through a variety of projects, the student will become acquainted with the tools needed in order to competently make digital photographs. This includes mechanical operations such as shutter speed, aperture, and light meter issues as well as best lighting practices, trouble shooting, and printing. Prerequisite: Art 1722. Studio fee: \$55.
- 1513 Conceptualization and Presentation (3) SP**
This is a foundation course with emphasis on concept, visual language, and content. This course includes studies in preconceptions, value systems, visual semantics, art criticism, and analysis of visual culture. Strongly suggested corequisite with Art 1113 or 1123. Studio fee: \$55.
- 1722 Adobe Creative Suite: The Basics (2) F, SP**
This is an introductory course to the Adobe Creative Suite programs considered to be standards of the Graphic Design industry. This course will cover: Adobe InDesign, Adobe Illustrator, Adobe Photoshop and Dreamweaver. The goal of this course is to familiarize students with each program's user interface and capabilities before they ever use the application for a project. This course will not require students to do projects while learning the programs but will focus on program knowledge only. Studio fee: \$40.
- 1813 Art Appreciation (3) F, SP, SU**
This course presents a general survey art and architecture with particular emphasis on the dawn of Modernism and Contemporary practices. Art is stylistically and contextually analyzed as are various critical theories pertaining to works of art. Students will be able to identify important works from major artistic periods, the styles associated with these periods, and the ideology and factors contributing to such artistic production. Also, students will have the ability to approach art through oral and written components as well as critical thinking. **Art majors may not take Art Appreciation for major and minor credit.** This course *may satisfy* the SALT Tier II requirement.
- 2213 Fundamentals of Ceramics (3) Offered at department's discretion**
This is an introduction to hand built clay vessels and wheel throwing and the various processes and tools associated with these forms. Historical and contemporary overview of ceramics will be introduced as well. Studio course - meets six hours each week. Studio fee: \$75.
- 2223 Intermediate Ceramics (3) Offered at department's discretion**
This course consists of intermediate hand building and wheel throwing. This course encourages students to develop independent strategies built on the fundamentals of Ceramics and individual directions of creativity. Prerequisites: Art 2213. Art majors must have successfully completed portfolio review. Studio course - meets six hours each week. Studio fee: \$75.
- 2233 Fundamentals of Sculpture (3) Offered at department's discretion**
This is an introductory-level sculpture course exploring the use of sculptural techniques, materials, and strategies. Emphasis is placed on understanding the history of and current trends within contemporary sculpture, as well as applying that knowledge in the creation of a variety of sculptural forms. Studio course - meets six hours each week. Studio fee: \$75.
- 2253 Fundamentals of Printmaking (3) Offered at department's discretion**
This is an introductory course in the language of printmaking, stressing basic techniques in relief, intaglio, and screen printing. Prerequisites: Art 1123 and 1013. Art 1213 is strongly suggested. Studio course - meets six hours each week. Studio fee: \$55.
- 2263 Intermediate Printmaking (3) Offered at department's discretion**
Reaching beyond the fundamental level, this course will explore various modalities of printmaking practice. Prerequisite: Art 2253. Studio course - meets six hours each week. Studio fee: \$95.
- 2313 Fundamentals of Photography (3) F, SP, SU**
This is an introductory course in basic studio practice in black and white photography. The course will cover basic principles, creative use of the camera, and printing techniques with emphasis on photography as a fine art, stressing beginning visual awareness and craftsmanship. Through a variety of exercises and projects, the student will become familiar with photo materials, processes, techniques, and two-dimensional composition. 35mm camera required. Studio course - meets six hours each week. Studio fee: \$95.
- 2323 Intermediate Photography (3) SP**
This is a continuing course of practice in photography. Through a variety of exercises and projects, the student will become familiar with creative photo materials, techniques, and two-dimensional composition. 35mm camera required. Studio course - meets six hours each week. Prerequisite: Art 2313. Studio fee: \$95. This course *may satisfy* the SALT Tier II requirement.
- 2513 History of Graphic Design (3) F**
This is a lecture course that explores the processes of early communication modes to the current digital culture. Students will be introduced to a wide variety of innovators and pioneers of graphic design. Important movements as well as the history of print, typography, and illustration as it pertains to the overall culture of graphic design will be explored as well.
- 2613 Fundamentals of Painting (3) F**
This is an introductory course in the language of painting. Through a variety of exercises and projects, the student will become familiar with various painting materials, techniques, and two-dimensional composition. Prerequisites: Art 1123 and 1013. Art 1213 is strongly suggested. Studio course- meets six hours each week. Studio fee: \$55.
- 3113 Advanced Printmaking (3) Offered at department's discretion**
This course is an exploration in contemporary printmaking practices. It will challenge preconceived notions of printmaking and its place in the contemporary art world. Through a variety of exercises and projects, the student will become familiar with creative printmaking techniques and concepts, while emphasizing its criticality and contemporaneous aspects. Prerequisite: Art 2263. Studio course - meets six hours each week. Studio fee: \$75.
- 3123 Creative Design for the Web (3) Offered at department's discretion**
This course initializes application of Graphic Design practice and theory to web design. The understanding and implementation of design fundamentals within contextual varieties of different web applications will be stressed through solving problems for different client needs and requirements. Specific web design programs such as Dreamweaver, Flash, and Adobe Go Live will be used in creating each project. Prerequisites: Art 3723 and IT 2053. Studio fee: \$75.
- 3133 Art Theory (3) Offered at department's discretion**
This course provides exposure to seminal authors and their work of art theory, beginning with Plato's Republic through present. Through seminar style classes, students will gain a broad understanding of key concepts from selected readings. The course focuses on the: application, seeing and uncovering of the theory and its relation to works of art and culture.

- 3502 Introduction to Teaching Visual Arts (2) Offered at department's discretion**
This is a course of current methodology in secondary art curriculum. Students will learn ways in which to develop and lead art experiences for students at the secondary level. Students will be expected to develop lesson plans for their various projects, projects that will also allow for some aspect of art appreciation/art criticism. The student must understand the fundamental and integral relationships among art history, aesthetics, criticism, and art production; students will exhibit a basic understanding of the theories of art criticism including the ability to use analysis in historical, student, and personal works of art. Field experience required. (For the secondary teacher of Art) Prerequisite: Art 3513.
- 3513 Art for Children (3) F, SP**
This course is a comprehensive overview of concepts, practices, curriculum integration, and issues in Discipline Based Art Education. Particular emphasis will be placed on ways of stimulating, guiding, and evaluating art learning experiences for children. This course *may satisfy* the SALT Tier II requirement.
- 3623 Intermediate Painting (3) SP**
Reaching beyond the fundamental level, this course will explore various modalities of contemporary painting practice. Through a variety of projects, the student will explore an array of approaches to painting in form, content, and context. Prerequisite: Art 2613. Studio course - meets six hours each week. Studio fee: \$55.
- 3713 Foundations in Graphic Design (3) F, SP**
This course emphasizes the importance of design fundamentals in relation to areas of Graphic Design. The class will examine the visual elements of design through: semiotic theory, problem solving, visual culture, critique of visual culture, and strategies for design. Students will gain the ability to decipher successful from unsuccessful implementation of the visual elements of design through solving graphic design problems. Prerequisites: Art 1722 and 1411. Studio course - meets six hours each week. Studio fee: \$75.
- 3723 Typography (3) Offered at department's discretion**
This course begins with the history of typography and then covers: the anatomy of type, identification of fonts by their respective class and family, deciphering successful from unsuccessful usage of type and decoding proper implementation of type in various typographic dilemmas. Each assignment will be directed towards understanding methods of communicating through letter forms, while negotiating the semantics found in relations between letter forms and their context. Prerequisites: Art 3713 and 3773. Studio course - meets six hours each week. Studio fee: \$75.
- 3733 Trademarks and Identity Systems (3) Offered at department's discretion**
This course is a thorough exploration of the trademark that will cover its: history, development, style, classification, theory, and relevance in today's world. The course will facilitate exercising/learning/preparation of a working knowledge of how to approach/process/complete a trademark and subsequent identity system. Students will work with 3 not-for-profits over the course of the semester, providing new trademarks and identity systems for each through group projects and site visitation. Prerequisite: Art 3713 and 3773. Studio course - meets six hours each week. Studio fee: \$75. This course *may satisfy* the SALT Tier II requirement.
- 3763 Packaging Design (3) Offered at department's discretion**
This course focuses on the application of graphic design to the simultaneously occupied 2-d/3-d world of product packaging. Projects will be designed and printed to exist in 3-dimensions. Packaging problem solving, project requirements and building applications will be presented through hands-on training in the development of product packaging. Packaging systems and implementation of a design across multiple platforms will be emphasized while considering the successful visual marketing of a product. Prerequisite: Art 3773. Studio course - meets six hours each week. Studio fee: \$75.
- 3773 Designing from the Grid (3) Offered at department's discretion**
This course is a thorough introduction to "The Grid," covering its history, theory, and application. This course will follow the seminal texts and theories of Kimberly Elam's *Grid Systems*, Josef Muller-Brockmann's *Grid Systems in Graphic Design* and Timothy Samara's *Making and Breaking the Grid* for learning different uses of the Grid for Graphic Design. It will focus on creating structured and pre-planned grids to create order between text and image, while bringing a sense of clarity to an overall design. The last section of the course will be devoted to designing away from the Grid, breaking it, even though its underlying structure is always apparent. Prerequisite: Art 3713. Studio course - meets six hours each week. Studio fee: \$75.
- 3913 Advanced Typography (3) SP**
This course is devoted to TYPE ONLY and the class focuses on replacing images with type. All projects will deal with provoking the same reaction that images demand, but with type only. Class will stem from how words relate to the things they signify (culturally) and study of Jacques Derrida and his theory of deconstruction. Prerequisite: Art 3723. Studio course - meets six hours each week. Studio fee: \$75.
- 401V Independent Study I (1-3) F, SP, SU**
The Lipscomb University Art Department makes available the opportunity for credit for students seeking an independent study program that would deepen their understanding of a specified concentration of study. This is given, however, on a case by case basis. A total of three hours is permitted toward a student's major.
- 419V Special Topics in Art (1-3) (offered at department's discretion)**
Topics vary. Some special topics courses may be assessed a studio fee. This course *may satisfy* the SALT Tier II requirement.
- 4213 Advanced Painting (3) Offered at department's discretion**
This course is an exploration in contemporary painting practices. It will challenge pre-conceived notions of painting and its place in the contemporary art world. Through a variety of projects, the student will become familiar with creative painting techniques and concepts, while emphasizing its criticality and contemporaneous aspects. Prerequisite: Art 3623. Studio course - meets six hours each week. Studio fee: \$60.
- 431V Advanced Studio (3,6) (offered at department's discretion)**
This course will emphasize portfolio development and self directed studio practice. Using lectures and critiques, this course intends to give the student an opportunity to develop a body of work for their senior exhibition and professional portfolio. Prerequisite: At least one of the Advanced studio courses offered by the department. Studio course — meets six hours each week. Studio fee: \$55.
- 480V Art Travel (1-3) F, SP, SU (offered at department's discretion)**
Travel to major cultural centers to view significant works of art. Class lectures, prior to travel, will establish a context for viewing the collections of major museums and galleries. Follow-up research is required. A total of three hours is permitted towards a student's major.
- 4813 Survey of History of Art I (3) F**
This course presents an intensive study of the artistic periods from the Prehistoric Age to the Gothic Era. Art is stylistically and contextually analyzed. Strong emphasis is placed on the student's ability to approach art through oral and written components as well as critical thinking.
- 4823 Survey of History of Art II (3) SP**
This course presents an intensive study of the artistic periods from the Renaissance to the 20th Century. Strong emphasis is placed on the student's ability to approach art through oral and written components as well as critical thinking.

4843 Art Since 1940 (3) SP

This course presents an intensive study of the artistic periods from 1940 to the Contemporary Times. Art is stylistically and contextually analyzed with particular attention given to critical theories and history pertaining to the works of art. Strong emphasis is placed on the student's ability to approach art through oral and written components as well as critical thinking.

491V Internship in Art (1-3) F, SP, SU

This course provides students the opportunity to gain vital experience in a work setting. Prerequisites: Junior standing or above, 3.0 GPA, must have successfully completed portfolio review, and permission of department chair. A total of six hours is permitted toward a student's major.

4912 Capstone: Portfolio Development and Portfolio Review (2) F, SP

Required of B.F.A. Graphic Design majors during their last semester. The purpose of this course is to develop the student's work and portfolio simultaneously. Entrance to the Capstone is contingent upon approval by an adjudicating committee composed of full/adjunct professors in the Department of Art. Prior to beginning the Capstone, the student is required to present his/her proposal project for the Capstone to the committee. This presentation should include work from previous courses, influences, and directions for future growth as well as a concise agenda for the Capstone. This class is dedicated to refining a student's: design abilities, theories, and stylistic approaches in graphic design. Special emphasis will be given in preparing each student's portfolio, working knowledge and creativity of desired job before entering an interview. This class is for stretching the student to develop a level of design competence that reaches beyond current cultural standards while aiding them in finding their respective niche. Prerequisite: All required and additional courses for the B.F.A. in Graphic Design. Studio fee: \$95.

4932 Capstone: Professional Studio Practices and Senior Exhibition (2) F, SP

Required of B.F.A. Studio Art majors during their last semester. The purpose of this course is to develop the professional practices needed to succeed in the field of Art. Entrance to the Capstone is contingent upon approval by an adjudicating committee composed of full/adjunct professors in the Department of Art. Prior to beginning the Capstone, the student is required to present his/her proposed project for the Senior Exhibition to the committee. This presentation should include work from previous courses, influences, and directions for future growth as well as a concise agenda for the Senior Exhibition. Upon approval by the committee, the student will be required to prepare a complete portfolio (including slides of recent work, artist statement, and curriculum vite), create application packets for exhibitions and graduate programs and apply for exhibitions, graduate programs, residencies, etc. Also, the student is required to plan, create, advertise, and install a show of their artwork. Prerequisite: All required and additional courses for the B.F.A. in Studio Art. Studio fee: \$95.

4933 Christianity in the Visual Arts (3) Offered at department's discretion

This course explores the history of Christian imagery, its changing role in the context of worship, and its place in the contemporary art scene. Students must be junior or senior standing.

4943 Graphic Design Firm (3) SP

This is the final required studio course for senior level Graphic Design Majors. This class focuses on preparing a student for the work environment through functioning like a real design firm. Students will be treated as employees with the professor acting as creative director as the class takes on design needs from 4 area not-for-profit companies. Students will work alongside each other as a team to solve and complete each need throughout the semester. His experience seeks to create real scenarios, such as dealing with: co-workers, communication, misunderstanding, verbal to visual translation, clarification of ideas, working with clients, knowing what a client wants and then providing what they need, working within restrictions and deadlines, how to give a proper presentation, and what type suits each project. SALT credit course. Prerequisites: Art 3713, 3723, 3733, 3773, 3913. Studio course — meets six hours each week. Studio fee: \$75. This course *may satisfy* the SALT Tier II requirement.



Students enjoy a time of fellowship in the Bison Cafe.

Department of Music

Sally Reid, *Professor and Academic Chair*

Marcia A. Hughes, *Professor*

Donna M. King, *Instructor*

Jerome A. Reed, *Professor*

Stephen L. Rhodes, *Professor*

Gary Wilson, *Associate Professor*

The Department of Music shares Lipscomb University's commitment to Christian liberal arts education and functions as an integral part of that commitment. Our mission is to lead students to an appreciation and comprehension of the creative spirit across time and culture, within the context of the Christian faith.

Recognizing that music is an integral part of a liberal arts education, the Department of Music seeks to:

- provide each university student with the opportunity for participation in musical experiences;
- provide the best possible instruction for students who plan to make music their profession;
- provide cultural service to the community; and
- provide support for church music ministries.

Distinctives of the Music Department

The Lipscomb University Department of Music is an accredited institutional member of the National Association of Schools of Music. The Department of Music is also the first in the nation to require music majors to sit for the Associated Board of the Royal Schools of Music (ABRSM) exams. Any incoming freshman student who has already passed the ABRSM Grade 8 Exam and wishes to major in music automatically qualifies for a music scholarship of \$1,000 per semester.

The Department of Music collaborates with the College of Bible and Ministry to offer an interdisciplinary major in Worship Ministry to provide students with the knowledge and skills to assist congregations in meaningful, purposeful times of worship (see p. 141 for degree requirements).

The department's applied music classes and private lessons are taught by full-time faculty, or by adjuncts and private instructors selected from the wealth of talent available in Nashville, Tennessee, including members of the Nashville Symphony Orchestra and leading studio musicians.

Private lessons and ensembles are open to all university students. Performance opportunities include: A Cappella Singers, University Wind Ensemble, Jazz Band, Jazz Vocal Ensemble, Opera Workshop, New Music Ensemble, String Ensemble, and various chamber groups. Internships in music-related fields are available.

SALT participation opportunities are provided within the distinctive performing context offered by the music department.

Career Opportunities

The Department of Music provides formal preparation for the following:

Teachers in public or private school settings, K-12

Independent music teachers

Private studio teachers

Worship ministers

Orchestral musicians

Professional singers

Professional accompanists

Music editors

Music publishers

Music consultants

Music critics

Graduate studies

Strong liberal arts foundation for professional study such as medicine and law and others planning to use music in their chosen professions or for personal enjoyment.

Departmental Admission and Curriculum Requirements

Theory placement assessment prior to first registration

Audition on major performance medium no later than end of first semester of study

Attendance at faculty and student recitals

Jury examinations at the end of each semester of private instruction

Upper-division hearings at the end of the sophomore year

ABRSM Grade 8 Exam

Junior and senior recitals for performance emphasis majors

Senior recital for music teaching majors

Ensemble participation for all music majors and minors

Piano proficiency

ABRSM diploma exam

Requirements for Majors

Music Major (Emphasis in Instrumental Performance)**

B.A. or B.S. degree program

Total hours required—50

Specific courses required—

Music 1111, 1121, 1133, 1143, 192V, 2111, 2133, 2143, 2402, 3010, 3112, 3413, 3423, 4010, 4020, 4112, 4432, 4612

Two hours from methods course in performance area (MU 2843, 2852 or 2881) and/or private lessons in a secondary instrument.

Sixteen hours of private lessons on major instrument for credit, at least eight hours at the 3000 level.

Participation and a passing grade in a major instrumental ensemble are required for eight semesters.

Enrollment and a passing grade in MU 2000 are required for eight semesters.

Music 1503 should not be taken by music majors or minors. Three of the six general education hours required in Humanities (page 25) are fulfilled by successfully passing Music 1121, 1143, and 2402.

Music Major (Emphasis in Theory/Composition)**

B.A. or B.S. degree program

Total hours required—52

Specific courses required—

Music 1111, 1121, 1133, 1143, 192V, 2111, 2133, 2143, 2402, 3010, 3112, 3413, 3423, 4010, 4020, 4102, 4112, 4612

Two additional hours to be chosen from:

Music 4412, 4422, 4432, 4622, 4632

Sixteen hours of private lessons in composition for credit, at least eight hours at the 3000 level.

Ensemble participation and a passing grade required for eight semesters.

Participation and a passing grade in New Music Ensemble (MU 1090.05 or 1091.05) are required for two semesters.

Enrollment and a passing grade in MU 2000 are required for eight semesters.

Music 1503 should not be taken by music majors or minors. Three of the six general education hours required in Humanities (page 25) are fulfilled by successfully passing Music 1121, 1143, and 2402.

Music Major (Emphasis in Piano Performance)**

B.A. or B.S. degree program

Total hours required—52

Specific courses required—

Music 1111, 1121, 1133, 1143, 192V, 2111, 2133, 2143, 2402, 3010, 3112, 3413, 3423, 4010, 4112, 4232, 4422, 4612

Sixteen hours of private lessons in piano for credit, at least eight hours at the 3000 level.

Participation and a passing grade in Collaborative Piano (MU 2200, 2211) are required for 8 semesters.

Enrollment and a passing grade in MU 2000 are required for eight semesters.

Music 1503 should not be taken by music majors or minors. Three of the six general education hours required in Humanities (page 25) are fulfilled by successfully passing Music 1121, 1143, and 2402.

Music Major (Emphasis in Vocal Performance)**

B.A. or B.S. degree program

Total hours required—50

Specific courses required—

Music 1111, 1121, 1133, 1143, 192V, 2111, 2133, 2143, 2402, 3010, 3112, 3413, 3423, 4010, 4020, 4112, 4202, 4412, 4612

Sixteen hours of private lessons in voice for credit, at least eight hours at the 3000 level.

Participation and a passing grade in a major vocal ensemble is required for 8 semesters.

Participation and a passing grade in Opera Workshop (MU 1040, 1041) are required for two semesters.

Enrollment and a passing grade in MU 2000 are required for eight semesters.

Music 1503 should not be taken by music majors or minors. Three of the six general education hours required in Humanities (page 25) are fulfilled by successfully passing Music 1121, 1143, and 2402.

Music Education Major (Instrumental)

B.M. in Music Education degree program only

Leads to K-12 licensure

I. General Education Required of Secondary and K-12 Teacher Education Students* (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

Music 2843, 2852, 2881, 4224, 4243

III. Subject Matter Specialization

Music 1111, 1121, 1133, 1143, 2111, 2133, 2143, 2402, 3112, 3413, 3423, 4000, 4020, 4112, 4612, 4632

Ten semester hours in ensembles is required. (8 hours in a major instrumental ensemble, 1 hour in a choral ensemble and 1 hour in an ensemble of student's choice).

Eight hours of one instrument must be taken for credit, at least four hours at the 3000 level.

Enrollment and a passing grade in MU2000 are required for eight semesters.

*Omit Music 1503 and Art 1813

Requirements for a minor are included.

Music Education Major (Vocal/General Music)*

B.M. in Music Education degree program only

Leads to K-12 licensure

I. General Education Required of Secondary and K-12 Teacher Education Students* (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

Music 4202, 4213, 4243, 4412 or 4232

III. Subject Matter Specialization

Music 1111, 1121, 1133, 1143, 2111, 2133, 2143, 2402, 3112, 3413, 3423, 4000, 4020, 4112, 4612, 4622

Twelve semester hours in ensemble is required. (8 of which must be a major vocal ensemble).

Eight hours of private voice for credit, or 4 hours voice and 8 hours piano for credit are required, at least four hours at the 3000 level.

Enrollment and a passing grade in MU2000 are required for eight semesters.

*Omit Music 1503 and Art 1813

Requirements for a minor are included.

** (See page 25 for general education specifications for B.A. and B.S. degree program.)

Interdisciplinary Major in Worship Ministry — See College of Bible (pg. 131) for details

Requirements for Minors

Music (General) Minor

Total hours required—18

Specific courses required—

Music 1111, 1121, 1133, 1143, 2402, 4020

Four credit hours selected from:

Music 2111, 2133, 2143, 2843, 2852, 2881, 3403, 4202, 4232, 4243, 4412, 4422, 4432, 4612, 4622, 4632

Four credit hours in private or class instruction (in one performance medium).

Enrollment and a passing grade in Recital Attendance (MU 2000) are required for four semesters.

Ensemble participation and a passing grade are required for at least four semesters.

Music 1503 should not be taken by music majors or minors. Three of the six (general education) hours required in Humanities (page 25) are fulfilled by successfully passing Music 1121, 1143, and 2402.

Musical Theater Minor (For Theater Majors Only)

Total hours required-18

Specific courses required-

Music 1111, 1121, 1133, 1143, 2402

Five credit hours private or class voice

Three credit hours selected from:

Music 192V, 2111, 2133, 3303, 4202, 4412, 4612

Ensemble participation and a passing grade are required for at least 4 semesters

Music 1503 should not be taken by music minors. Three of the six (general education) hours required in Humanities are fulfilled by successfully passing Music 1121, 1143, and 2402.

Worship Ministry Minor

Total hours required—18

Specific courses required—

Music 1111, 1121, 1133, 1143, 3303, 3403, 4020

Four credit hours private or class voice

Ensemble participation and a passing grade are required for at least four semesters.

Enrollment and a passing grade in Recital Attendance (MU 2000) are required for four semesters.

Music 1503 should not be taken by music majors or minors. Three of the six (general education) hours required in Humanities (page 25) are fulfilled by successfully passing Music 1121, 1143, and 3403.

MUSIC (MU)

1000, 1001 A Cappella Singers (0, 1)

1010, 1011 University Singers (0, 1)

1020, 1021 Chamber Singers (0, 1)

1030, 1031 Jazz Vocal Ensemble (0, 1)

1040, 1041 Opera Workshop (0, 1)

1050, 1051 University Wind Ensemble (0, 1)

1060, 1061 Jazz Band (0, 1)

1070, 1071 Early Music Consort (0, 1)

1090, 1091 Chamber Ensemble (0, 1) .01 String Ensemble, .02 Guitar Ensemble, .03 Flute Ensemble, .04 Percussion Ensemble, .05 New Music Ensemble

Students who enroll in an ensemble for non-credit may not opt to change that to credit status after the published deadlines for making course changes in a given semester.

1103 Fundamentals of Music (3) F

This course is designed for music majors, worship ministry majors, music minors, and non-majors with little or no previous training in music theory. Written and aural skills, notation, scales, key signatures, time signatures, intervals, and triads are included in the course of study. (Minimum grade of "C" required to proceed to Music 1133.)

1111, 1121 Sight-Singing, Ear-Training I (SP), II (F) (1, 1)

Includes rhythmic, melodic and harmonic dictation, error detection, improvisation, and sight-singing. Courses to be taken in sequence. Prerequisite for 1111 is MU 1103 or pass theory placement exam. Corequisite, respectively: Music 1133 and 1143. Prerequisite for Music 1121 is a passing grade in Music 1111. (Minimum grade of "C" required to proceed to Music 2111.)

1133, 1143 Theory I (SP), II (F) (3, 3)

This course is the first year of written theory. Involves part-writing skills and musical notation of the "common practice" period (1600-1900). Courses to be taken in sequence. Prerequisite for 1133 is MU 1103 or pass theory placement exam. Corequisite, respectively: Music 1111 and 1121. Prerequisite for Music 1143 is a minimum grade of C in Music 1133. (Minimum grade of "C" required to proceed to Music 2133.)

1302 Introduction to Songleading in Worship (2) SP

Provides basic preparation for planning and leading congregational singing in worship, including music fundamentals and conducting. Not to be taken by Bible majors with the worship ministry emphasis or by church music minors; open to students in any degree program. Offered alternate years.

1503 Music Appreciation (3) F, SP, SU

This course fosters perceptive listening through an understanding of the basic elements of music and an appreciation of the cultural contexts in which these elements are applied. Students may choose from a variety of options including: an overview approach exploring folk, popular, world, and western classical traditions; history of jazz; history of American music. Music majors and minors should not take this course.

- 2000, 2001 Recital Attendance (0, 1)**
Required of all music majors during every semester of full-time enrollment and required of all music minors for a minimum of four semesters.
- 2111 Sight-Singing, Ear-Training III (1) SP**
Continuation of the development of aural skills including dictation and sight-singing. To be taken concurrently with Music 2133. (Minimum grade of "C" required to proceed as music major.) Prerequisite: Music 1121.
- 2133, 2143 Theory III (SP), IV (F) (3, 3)**
Continuation of the study of part-writing skills and analysis techniques begun in Theory II as well as an introduction to chromaticism and 20th century harmony. Courses to be taken in sequence. Corequisite: Music 2111. Prerequisite for Music 2133 is Music 1143. Prerequisite for Music 2143 is a passing grade in Music 2133. (Minimum grade of "C" required to proceed as music major.)
- 2200, 2211 Collaborative Piano (0, 1) F, SP**
Practice in performing music for piano and another instrument or voice; transposition, realization of figured bass and score reduction. (Required each semester of piano scholarship recipients and majors and minors with piano emphasis.)
- 2402 Music Literature (2) SP**
A survey of Music Literature from the historical periods, with listening experiences and examination of scores of representative works. Prerequisite: minimum grade of "c" in Music 1143. Meets 3 hours.
- 2843 Brass and Percussion Methods (3) SP - even**
Develops functional playing ability and pedagogical considerations for the brass and percussion instruments.
- 2852 Woodwinds Methods (2) F - odd**
Develops functional playing ability and pedagogical considerations for woodwind instruments.
- 2881 Strings Methods (1) SP - odd**
Develops functional playing ability and pedagogical considerations for string instruments.
- 300V Independent Study (1, 2, 3)**
Offered in unusual situations
- 302V Special Topics in Music (1-3)**
A variety of topics will be offered. The course will provide an in-depth study of the specified topics which normally receives only brief mention in survey courses. Topics will be announced in the semester schedule. Offered on demand. Prerequisite: consent of the instructor and academic chair.
- 3010 Recital (0)**
Junior, Emphasis in Performance.
- 3112 Form and Analysis (2) SP**
A study of the general principles which govern the structure of music. The course includes experiences in Schenkerian reduction analysis and covers binary, ternary, sonata and rondo forms, contrapuntal forms, variation forms and vocal forms in a variety of genres, including suites, sonatas, symphonies, concerti and opera. Prerequisite: minimum grade of "C" in Music 2143.
- 3203 Music for Children (3) F, SP**
A study of the child's singing voice and a survey of age appropriate materials, methods, and activities. Fulfills the arts requirement for all interdisciplinary K-6 majors unless they are music minors, who take Music 4243.
- 3303 Music in Worship I (3) F**
Designed to provide the potential worship leader/minister with the musical tools necessary to function effectively in a local congregation. The course will focus on three primary areas: leading congregational worship, finding and arranging music appropriate for a capella worship and working with church singers, both individually and in praise teams or choirs. Open to students in any degree program.
- 3313 Music in Worship II (3) SP - odd**
This course is designed to provide the potential worship leader/minister with the practical tools necessary to plan worship and administer a worship ministry in a local congregation. The course will focus on the following areas: identifying and utilizing worship ministry resources, planning meaningful worship services, utilizing worship related software and technology and administering a music/worship ministry. Prerequisites: Music 1121, 1143, and 3303.
- 3403 History of Church Music (3) SP - even**
A study of the history of music in the church with emphasis on the cultural backgrounds and practice of music in the Bible, the impact of the Reformation, and recent trends within American church music. Open to students in any degree program.
- 3413, 3423 History of Music I, II (3, 3) F - odd, SP - even**
A survey of music in Western culture from its ancient Greek beginnings to the present; particular attention is given to the development of stylistic concepts through the extensive use of scores and recordings. Prerequisite: Theory III.
- 390V Internship in Music (1-3)**
Provides students the opportunity to gain experience in a work setting. Prerequisite: proposal submitted to professor in charge and approved by academic chair. Open to juniors and seniors.
- 4000 Recital (0)**
Senior, Emphasis in Teaching.
- 4010 Recital (0)**
Senior, Emphasis in Performance.
- 4020 Piano Proficiency (0)**
The piano proficiency is a demonstration of student's keyboard skills. It includes scales and arpeggios, score reading, transposition, harmonization, and sight reading. In addition, students will prepare and perform a composition of intermediate difficulty. Requirements differ for music majors, worship ministry majors, church music and general music minors. This should be attempted by the end of the fourth semester of study.
- 4102 Counterpoint (2) F - odd**
A course designed to give students writing experience in two- and three-part 18th century counterpoint. Prerequisite: Theory III.
- 4112 Instrumentation (2) SP**
This course covers the techniques of writing for the instruments of the orchestra and concert band, individually and in various combinations. The range, transposition, and idiomatic characteristics of each instrument are studied. Prerequisite: Theory III.
- 4202 Voice Pedagogy (2) F - even**
A study of the various techniques and concepts used in teaching voice. Special emphasis is placed on learning to communicate sound principles of vocal production. Required of all vocal applied and music teaching majors.
- 4213 Vocal Methods (2) SP - even**
A detailed study of the vocal music program in the secondary schools; emphasis is given to appropriate methods and materials of instruction. Lab included.
- 4224 Instrumental Methods (4) F - even**
A detailed study of the secondary instrumental music program emphasizing classroom discipline and methods, materials of instruction, teaching philosophy, musical acoustics, literature selection and marching show charting and design.
- 4232 Piano Pedagogy (2) F - odd**
A study of teaching methods and materials, the history of pianism, professional organizations, and business aspects of teaching.

- 4243 Elementary School Music (3) F - even**
Methodology, aims, and materials of teaching music in elementary school, including Orff and Kodaly techniques; required of all music education majors and music minors who are interdisciplinary K-6 majors. Lab included.
- 4412 Vocal Literature and Diction (2) F - odd**
A study of vocal solo literature from the Baroque, Classical, Romantic and Twentieth Century periods. Vocal scores are studied and performed as special attention is given to performance practices. The diction segment includes pronunciation of Italian, German, and French. Prerequisite: One year of private voice study.
- 4422 Piano Literature (2) F - even**
A survey of literature for the harpsichord and piano from the 18th century to the present. Prerequisite: Music 2402.
- 4432 Instrumental Chamber Literature (2) SP - even**
A study of the literature of chamber music written for string and wind instruments from the Renaissance, Baroque, Classical, Romantic, and Modern periods. In addition to a core of essential works, special emphasis will be given to the performance areas of the individual students. Prerequisite: Music 2402.
- 4612 Conducting (2) F**
Introduction to the physical and psychological fundamentals of conducting, with limited emphasis on interpretation, style, and rehearsal procedures. Prerequisites: Music 1121 and 1143
- 4622 Choral Conducting and Literature (2) SP - odd**
A study of specific techniques used in conducting and rehearsing choral ensembles and a survey of choral literature representative of the commonly performed styles. Prerequisite: Music 4612.
- 4632 Instrumental Conducting and Literature (2) SP - odd**
Exposure to specific techniques used to conduct and rehearse instrumental ensembles with specific emphasis on score analysis and available literature for the medium, both from a functional and historical standpoint. Prerequisite: Music 4612.

CLASS INSTRUCTION IN APPLIED MUSIC (MU)

- 1201 Issues for Performers (1)**
A study of the problems and issues confronting performers that are not covered in other courses. Topics include stage etiquette, program construction, performance anxiety, and the psychology of performing, auditions, time management, practice techniques, and networking resources. The class also suggests ways to stay current on performance practices and remain aware of the music scene in major metropolitan areas.
- 1541 Class Voice (1) F, SP**
A study of the fundamentals of singing, including breathing, posture, diction, voice quality. One class meeting per week. Should be taken prior to private voice study.
- 1642 Class Piano (2, 2) F, SP**
Introductory keyboard instruction designed to develop facility with major and minor scales, simple cadences, sight-reading, improvisation, harmonization of simple melodies with primary chords, and transposition.
- 1652 Class Piano (2,2) F, SP**
Elementary keyboard instruction designed to develop facility with major and minor scales and arpeggios, chords, improvisation, sight-reading in four-part chordal textures, harmonization of simple melodies with appropriate chords and accompaniment patterns, and transposition beyond five-note positions. Prerequisite: Music 1642 or placement by piano faculty.
- 1741 Class Guitar (1)**
A study of the basic first position chords, the standard strumming patterns, and simple picking patterns. Elementary note reading is introduced. One class meeting per week. Offered on demand.

INDIVIDUAL INSTRUCTION (MU)

Individual instruction classes require, in addition to the tuition charge, a special fee as listed in Section 4. Courses numbered 3000 or above require consent of the department. Any individual instruction course may be repeated.

- 1410 Composition (0)**
1411, 3411 Composition (1, 1)
1412, 3412 Composition (2, 2)
1510 Voice (0)
1511, 3511 Voice (1, 1)
1512, 3512 Voice (2, 2)
1610 Piano (0)
1611, 3611 Piano (1, 1)
1612, 3612 Piano (2, 2)
1710 Guitar (0)
1711, 3711 Guitar (1)
1712, 3712 Guitar (2)
1810 Strings (0)
1811, 3811 Strings (1, 1)
1812, 3812 Strings (2, 2)
1910 Brass, Woodwinds, Percussion (0)
1911, 3911 Brass, Woodwinds, Percussion (1, 1)
1912, 3912 Brass, Woodwinds, Percussion (2, 2)



A scene from the spring production of
"Barefoot in the Park"

Department of Theater

Mike Fernandez, *Associate Professor and Academic Chair*

Larry A. Brown, *Professor*

Deborah R. Holloway, *Assistant Professor*

David Hardy, *Assistant Professor*

The Lipscomb University Theater Department is dedicated to training the next generation of believer artists who seek to have a positive influence on the world and become leaders in the entertainment industry. To achieve this we have created a department built on the ideals of community, worship and quality training. It is also our goal to build an exciting theater known for quality productions that entertain as well as challenge the community.

B.F.A. in Theater with Track Emphasis

Lipscomb University is excited to offer this new degree plan that falls more in line with the growing trend for pre-professional degrees. This degree allows the dedicated theater student an opportunity to take classes geared toward a specific interest in theater. This degree is good for those who upon graduation wish to go directly into the professional theater world. It is also great for those who wish to go to Graduate school for an M.F.A.

B.A. Degree in Theater, Theater Ministry, and Theater Education

The general Theater Degree plan is an excellent choice for students who love theater but also have other interests. Students wishing to double-major in theater and some other field should also pursue the general Theater degree.

The Theater Ministry Degree is new to Lipscomb this year and is an exciting area that is growing rapidly. We are currently trying to broaden the definition of Theater ministry and are looking for students who are eager to define what it means to infuse faith with every aspect of life and career.

Teaching is a noble career and Lipscomb is known for producing excellent teachers. Students interested in teaching at the elementary, junior high, or high school level should choose the Theater Education major.

Distinctives of the Theater Department

Internships: Students are encouraged each summer to participate in internships throughout the city and the country. Our students have served at several prestigious theaters including the Nashville Children's Theater, which is among the top 5 children's theaters in the country.

London Study Abroad and New York Trip: Theater students have a unique opportunity to spend a summer in London studying theater and watching shows in London's vaunted West End. Students can also spend one week a year going to New York to watch Broadway shows.

Vibrant Children's Theater Company that travels to Wales: Students experience the fun of writing and performing their own Children's theater piece and then touring it in Wales.

Strong Professional Connections: Lipscomb is committed to bringing in visiting artists with strong professional credentials. Previous artists have included Jeff Obafame Carr, founder of Nashville's Amun Ra Theater; Justin Boccitto of the Group Theater Two in New York City; and Equity actors like Nan Gurley.

We also have strong working relationships with professional theaters in Nashville such as The Nashville Shakespeare Festival, The Tennessee Repertory Theatre, Actors Bridge Ensemble, and Amun Ra Theater.

Faculty are working professionals: Our faculty don't just teach, they do! Vali Forrister, who teaches Meisner acting classes, is the artistic director for Actor's Bridge Ensemble. Beki Baker, who teaches Voice and Diction and Advanced Directing, is the Education Director for the Nashville Shakespeare Festival. Robyn Berg, adjunct in Period Styles, is a teaching artist for the Nashville Shakespeare Festival.

Career Opportunities

| | | | |
|--------------------------|--------------------|------------------------|-------------------|
| Actor | Agent | Artistic Director | Gaffer |
| House Manager | Key Grip | Best Boy | Lighting Designer |
| Box Office | Marketing Manager | Publicity | Casting Director |
| Personal Manager | Choreographer | Playwright | Costume Building |
| Producer | Costume Designer | Production Coordinator | Props Master |
| Critic | Scenic Designer | Costume Cutter | Screenplay Writer |
| Director | Sound engineer | Dramaturge | Stage Manager |
| Costume Draper | Technical Director | Drama Ministry | Theater Manager |
| Dresser | Voice Coach | Fight Choreographer | Teaching |
| Creative Dramatics | Workshops | Communication | Commercials |
| Multi-Media Sales | Industrial Shows | Radio Broadcasting | Television |
| Recreation | Community Theaters | Park Districts | Corporations |
| Recreation Organizations | Theater Industries | Artists | Technicians |
| Consultants | Sales | Engineers | |

In addition to the fields listed above, there are other less obvious applications of the theater degree. There has been a growing trend by many graduate programs to encourage undergraduates to get a degree in something that is not directly related to their particular area. Law schools, medical schools and the like are beginning to understand how powerfully the following skills, all integral to theater training, can equip one for "real life": working within a deadline, collaborative effort, stamina, conceptual skills, analytical thinking, fiscal responsibility, creativity, working successfully with people, communication skills, management skills, organizational ability, making an idea become tangible, creative research, taking direction, problem-solving, and the confidence to embrace new ideas.

Requirements for Majors

Theater Major with Track Emphasis

B.F.A. degree program

Acting Track Emphasis

Total hours required—63

Specific courses required—

Theater 1513, 1533, 2113, 2123, 2143, 2153, 2203, 2253, 2453, 3013, 3043, 3433, 3443, 4013, 4033, 4102, 4112

Eight 1-hour Practica are required

7 hours Theater Electives

Directing Track Emphasis

Total hours required—63

Specific courses required--

Theater 1513, 1533, 2113, 2123, 2143, 2153, 2223, 2453, 3013, 3023, 3033, 3433, 3443, 4023, 4033, 4102, 4112

Eight 1-hour Practica are required

7 hours Theater Electives

Design/Tech Track Emphasis

Total hours required—63

Specific courses required--

Art 1103

Family and Consumer Science 3103

Theater 1513, 1533, 2113, 2163, 2213, 2453, 3013, 3023, 3033, 3053 or 3073, 3063, 3433, 3443, 4102, 4112

Eight 1-hour Practica are required

7 hours Theater Electives

Musical Theater Track Emphasis

Total hours required—63

Specific courses required--

Theater 1513, 1533, 2113, 2123, 2143, 2153, 2453, 3013, 3083, 3433, 3443, 4013, 4033, 4043, 4102, 4112

Eight 1-hour Practica are required

4 hours Theater Electives

Note: Must complete prescribed Minor in Music

Theater Major

B.A. degree program

Total hours required—54

Specific courses required--

Family and Consumer Science 3103

Theater 1513, 1533, 2113, 2123, 2223, 2453, 3033, 3053 or 3063 or 3073, 3433, 3443, 4102, 4112

Eight 1-hour Practica are required

9 hours Theater Electives

Theater Ministry Major

B.A. degree program only

Total hours required—54

Specific courses required--

Family and Consumer Science 3103

Theater 1513, 2113, 2123, 2153, 2223, 2453, 3023, 3033, 3043, 3433, 3443, 4102, 4112

Eight 1-hour Practica are required

6 hours Theater Electives

Theater Teaching Major

B.A. degree program only

Total hours required--44

I. General Education required of Secondary and K-12 teacher education students

(See page 160)

II. Professional Education (See page 160)

A. Core Professional Education

B. Specialized Professional Education: Theater 3401

III. Subject Matter Specialization

Specific courses required--

Theater 1513, 1533, 2113, 2233, 2453, 3023, 3033, 3401, 3413, 3433, 3443

Six 1-hour Practica are required

Requirements for Minor

Theater Minor

Total hours required—18

Specific courses required--

Theater 1513, 2423, 2453

Three 1-hour Practica are required

6 hours Theater Electives

Endorsement for Add-on Licensure in Theater Education

Total hours required—20

Specific courses required-

Theater 1513, 2113, 2153, 2423, 2453, 3413, 3433, 3443, 3491

In addition, EN 3443 Modern Drama, while not required, is highly recommended as an elective to prepare for the PRAXIS exam.

THEATER (TH)

1513 **Beginning Acting (3) F: Majors only, SP: Non-Majors**

Basic training in acting choices, stage technique, and creating a character. Involves scene work and character analysis, includes laboratory. Laboratory graded and credited with course.

1533 **Text Analysis (3) SP/Odd**

The class uses James Thomas' Formalist Approach to textual analysis and develops skills needed for scholarly insight into play scripts. As the students formulate their theater aesthetic, they should also develop tools to distinguish time periods and genres and the ability to communicate research ideas.

2113 **Beginning Directing (3) F**

Basic principles governing play structures, choice, and casting are discussed. Requires student directed scenes with lab. Laboratory graded and credited with course.

2123 **Voice and Diction for the Stage (3) SP**

Voice and diction fundamentals, used to develop vocal resonance, projection, and articulation, and the natural connection of voice to action playing. Prerequisites: Theater 1513.

2131 **Theatrical Choreography: Various styles (1) F, SP**

A practical class for developing the performer's technique in various forms of dance for the musical theater.

2143 **Movement for the Stage (3) SP/Odd**

Theory and application of movement, combat techniques, the Alexander technique, the elements of a physical regimen in order to develop physical coordination, flexibility, strength, spontaneity, and awareness of the body in presentational space. Prerequisite: Theater 1513.

2153 **Intermediate Acting (3) F**

An application of the six steps, the basic object exercise, and other acting tools developed by Uta Hagen, toward producing a scene/character study based on a modern American play. Prerequisite: Theater 1513.

2163 **Drafting for the Theater (3) F**

Introduces technical drafting from basics through to advanced practices in theater including ground plans, sections, elevations, scaling, etc. Prerequisite: Theater 2453.

2203 **Stanislavski/Method Acting (3) SU**

This course will teach students how to apply the Stanislavski methods of acting.

2213 **Rendering Media (3) SP (even-numbered years)**

This is an exciting course offering the students a chance to learn multiple software packages that create, edit, manipulate, animate, and present visual design work.

2223 **Playwriting (3) SP (odd-numbered years)**

This course is designed to encourage and nurture Christian playwrights. It will introduce students to playwriting terms and strategies, while applying the process of defining and analyzing the dramatic elements in a play script. By the end of the course, student will write a one-act play.

2233 **Theater for Young Audiences (3) F (even-numbered years)**

This course will focus on movement, and will study its impact on film and literature. Students will learn about ways of organizing a theater program and its productions. It will also address issues of concern, such as age-appropriateness, choices of theater seasons, grant money, and gender-blind and color-blind casting, as well as many others.

2243 **Theater in New York (3) W**

This trip will expose theater majors and minors to New York Theater. They will view Broadway and off-Broadway productions and reflect on their experiences.

2253 **Stage Combat (3) F (odd-numbered years)**

This course will teach students how to use safe and effective stage fighting techniques.

2423 **Introduction to Theater (3) F, SP**

Considers the nature of drama, history of theater development, acting and directing, and stage production. *May be used to satisfy Fine Arts degree core requirements.*

2453 **Introduction to Technical Theater (3) F**

Analyzes technical problems of production, including construction, scene design, and lighting.

3013 **Makeup for the Stage (3) SP**

Practical application of all processes and types of stage makeup. Theater majors only.

3023 **Fundamentals of Design (3) SP (even-numbered years)**

The theory of scene design and its relation to the director, actor, and other elements of production.

3033 **Theater Management (3) SP (even-numbered years)**

The purpose of this course is to familiarize students with the fundamentals of running a professional or educational theatrical program (administration and budgeting, grant writing, season selection, box office, house management, and marketing) as well as the practical and theoretical aspects of stage management for theatrical productions.

3043 **Improvisational Acting (3) F (even-numbered years)**

Improvisational techniques explore the inner sources of spontaneous creation by exercising commitment and creative freedom in each moment of performance. Students will study improvisational theory and enact performance sessions designed to build spontaneous awareness.

- 3053 Costume Design (3) F (odd-numbered years)**
 Costume designing from a production approach through design theory, figure drawing, and a study of fabric. Theater majors only or consent of instructor. Prerequisite: TH 3023.
- 3063 Lighting Design (3) SP (odd-numbered years)**
 The objective of this course is to connect students with the concepts of lighting design and lighting technology. Students will learn how to implement communication, technology, organization, and creativity in the lighting industry.
- 3073 Scene Design (3) F (even-numbered years)**
 This course will allow students to develop drafting, rendering, painting, model-making and communication skills. Students will study historical, as well as contemporary, design techniques. Prerequisites: Theater 2453, 3023.
- 3083 Musical Theater History (3) F (odd-numbered years)**
 Through discussion and watching musicals, this class will teach students about the historical and modern aspects involved in creating quality musicals.
- 3093 Dramaturgy (3) F (even-numbered years)**
 This course will accurately define "dramaturgy" while preparing students to enter the theater workforce. Students will gain knowledge about every aspect of theater while closely examining literature.
- 3401 Educational Theater Methods (1) Offered on Demand**
 This course equips the theater education major with an introduction to curriculum development and classroom activities to teach drama classes in high school or junior high settings. Field placement opportunities.
- 3413 Creative Dramatics (3) SP (odd-numbered years)**
 An overview of children's theater: understanding the literature, acting techniques, design concepts, and the production presentation. Field placement opportunities. This course *may satisfy* the SALT Tier II requirement.
- 3433 History of Theater I (3) F (even-numbered years)**
 Theater history from ritual theory and Greek origins to 18th century European practice. Includes focus on cultural and political contexts for theater events and progressive influences of writers, designers, directors, and performers. A writing-intensive course.
- 3443 History of Theater II (3) SP (odd-numbered years)**
 Theater history from 19th century romanticism to modern theory and practice. Special focus on non-western theater development in Asia and Africa. A writing-intensive course. Prerequisite: Theater 3433.
- 345V Theater Internship (1-6) SU**
 Students involved in the International Program in London will apply for internships in the area of theater, consisting of eight weeks, approximately 15 hours per week. Other opportunities for theater internships may be approved by the department chair as they arise. Prerequisites: TH 2423 or permission of the department chair.
- 3491 Theater Workshop: Practicum (1) F, SP**
 A practical course in technical aspects of dramatic production. The course may be repeated each semester for credit up to 8 hours.
- 4013 Advanced Acting (3) F**
 Explores Meisner technique of acting through textbook and scene work. For theater majors only. Prerequisites: Theater 1513, 2153.
- 4023 Advanced Directing (3) SP/Even**
 Principles of directing various styles and periods focusing on the ability of the director to bring a creative viewpoint to bear on the work. Requires student-directed scenes with lab. Laboratory is graded and credited with course. For theater majors only. Prerequisite: Theater 2113.
- 4033 Period Styles (3) SP (odd-numbered years)**
 This course introduces an approach to performing in a range of historic works through reorganization of basic acting methods. It will familiarize students with classical dramatic literature. It will also teach them how to use textual clues to understand character development, while applying various acting styles in performance. Through their study of period styles and acting, students will also find the correlation between faith and art. Prerequisites: TH 1513, 2153.
- 4043 Musical Theater Performance Workshop (3) SP (even-numbered years)**
 This course will allow students to explore all aspects of musical theater performance. Students will work with musical theater productions for the 18th-20th centuries. Students will also be taught the singing, acting, and technical aspects of musical theater.
- 4102 Senior Seminar I (2) F: Senior Year**
 This course is designed to assist students in making the transition from college to the "real world." Through the development and understanding of creating resumes, auditioning and creating professional goals, students will be prepared to enter the professional world with confidence. To be taken fall and spring of student's senior year with approval of instructor.
- 4112 Senior Seminar II (2) SP: Senior Year**
 This course is designed to assist students in making the transition from college to the "real world." Through the development and understanding of creating resumes, auditioning and creating professional goals, students will be prepared to enter the professional world with confidence. To be taken fall and spring of student's senior year with approval of instructor.
- 4nnV Special Topics (1-6) F, SP**
 Various topics in dramatic literature and performance. (Examples: Advanced scene design, Advanced playwriting, etc.) Requires consent of the instructor.

School of Humanities



A beautiful fall day on campus.



Dr. Matt Hearn, Professor of English, leads a class discussion.

Department of English

Matthew G. Hearn, *Professor and Academic Chair*

Sonya C. Borton, *Assistant Professor*

Deborah R. Holloway, *Assistant Professor*

Larry A. Brown, *Professor*

Sarah M. Lavender, *Assistant Professor*

Dana Chamblee Carpenter, *Associate Professor*

John H. Parker, *Professor*

Linda M. Garner, *Professor*

T. Stephen Prewitt, *Assistant Professor*

Wayne B. Garrett, *Assistant Professor*

Kimberly C. Reed, *Professor*

The mission of the Department of English is to teach undergraduates how to read, think, and write well. By equipping its majors and minors to read widely and interpret thoughtfully, it enables them to develop the complex skills necessary for effectively constructing complex documents and for critically analyzing diverse texts.

Distinctives of the English Department

Students pursuing a degree in English are offered a variety of activities and programs to enrich their college experience. Each year the department sponsors the Landiss Lectures which bring to campus nationally-recognized authors. Speakers have included the Pulitzer prize-winning novelist Ann Patchett, the distinguished historian H. W. Brands, and the poet/critic Jay Parini.

Internships in a variety of fields and situations are available. Students have held positions with local publishing companies and not-for-profit organizations.

The department hosts the Writing Center, through which students across campus can receive assistance with their writing. English majors often serve as tutors in the Writing Center. Students in the department host an active creative writing group. Students with distinguished records in the department are offered membership in Sigma Tau Delta, the national honor society for English.

Career Opportunities

Because the English major produces students with excellent analytical and communications skills, our graduates pursue careers in a wide range of professions:

Law
Professional Writing
Editing/Publishing
Journalism
Public Relations
Medicine
Library Science
High School Teaching
College Teaching

Requirements for Majors

English Major

B.A. degree program only

Total hours required—45

Specific courses required:

English 2903, 3013, 36n3, 3713, 3723, 3733, 4203, 46n3, 4992

At least 1 hour credit in English 300V or 400V

Either English 3023 or 3033

Six hours from English 3213, 3223, or 3233

Three hours from English 47n3, 48n3, or 49n3

Six elective hours from English courses numbered 3000 or above.

English Teaching Major

B.A. degree only

Candidates for the English Teaching major must formally apply for admission to the Teacher Education program while they are enrolled in ED 2312 Schooling in America formally recommended by the English Department. Minimum requirements for full recommendation are as follows:

- An overall GPA of 2.5 or better
- A cumulative GPA in English of 3.0 or better
- Recommendations from at least three Lipscomb English instructors
- A completed application (including forms, interview, and writing sample — see academic chair for more specific information)
- Fulfillment of all general requirements for admission to the Teacher Education program

To remain in the program, students must maintain an overall GPA of 2.5 or better, maintain a cumulative GPA in English of 3.0 or better, and continue to be recommended by all Lipscomb English instructors who teach them. Students should contact the academic chair of the English Department for specific application forms and procedures.

Total hours required — 46

In addition to the requirements listed under “General Education Required of Secondary and K-12 Teacher Education Students” and “Core Professional Education Courses for Secondary and Teacher Education Programs” (see page 160), the following specific courses are required:

- A. Specialized professional education course: English 4052 (counts as a Core Professional Education Course)
- B. Subject matter specialization courses:
 1. English 2903, 3013, 3713, 3723, 3733, 46n3, 4992
 2. English 3053 and 4052
 3. English 2153, 2163, 3213, 3223, and 3233
 4. English 3023 and 3033

English Teaching majors have a built-in minor in Education and are not required to complete another minor.

English Teaching majors are also strongly encouraged to complete one survey course in philosophy or English 4203.

Requirements for Minor

English Minor

Total hours required—18

Specific courses required:

Three hours from English 2113, 2123, 2133, 2143, 2153, 2163, or 219V

Fifteen additional hours of English courses numbered 2000 or above

ENGLISH (EN)

0110 Developmental Seminar (3 non-credit hours) F, SP

Required for students who (a) score below 20 on the English portion of the ACT or below 480 on the verbal portion of the SAT in English, or (b) have not taken either of those tests. Developmental Seminar is intended to help students develop the university-level competencies in reading and writing that are prerequisite to the standard composition sequence. To that end, this course provides an intensive review of English grammar, mechanics, and usage; an introduction to critical thinking; and frequent practice in written composition, including expository essays. Students must pass this course with a grade of “C” or better before they can enroll in English 1113. This is a developmental non-credit course. See pages 32 and 46 concerning Developmental Non-Credit Courses.

1113 Composition and Reading I (3) F, SP

A basic introduction to university-level reading, writing and research. This course promotes competence in grammar, mechanics and usage and emphasizes the development of critical thinking and writing skills through assigned readings and written compositions. Required readings include both literary and non-literary texts; required writing includes frequent expository and argumentative essays, at least one of them documented. **Prerequisite for EN 1113:** a score of 20 or better on the English section of the ACT, a score of 480 or better on the verbal section of the SAT, or a grade of “C” or better in EN 0110. *Students must complete either LU 1103 or EN 1113 with a grade of “C” or better before enrolling in EN 1123.*

1123 Composition and Reading II (3) F, SP, SU

The second course (following LU 1103 or EN 1113) in the first-year writing sequence; required for all students, preferably during their first year at the university. Students will continue to develop competence in grammar, mechanics, and usage as well as critical thinking and writing skills through assigned readings and written compositions. This course emphasizes the methods and mechanics of university-level research and documentation. Required writing includes one or more fully documented research papers. **Prerequisite for EN 1123:** a grade of “C” or better in LU 1103 or EN 1113. *Students must complete EN 1123 before enrolling in any other sophomore-level English course.*

2113 Survey of English Literature I (3) F, SP, SU

A study of English literature from the beginnings through the Restoration and the 18th Century with particular emphasis on the major writers. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123.

2123 Survey of English Literature II (3) F, SP, SU

A study of English literature from the Romantic Period to the present with emphasis upon the major writers of each period. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123.

2133 Survey of American Literature I (3) F, SP, SU

A study of American literature from colonial times through the Age of Romanticism with an emphasis on major literary figures and movements. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123.

2143 Survey of American Literature II (3) F, SP, SU

A study of American literature from the Age of Realism to the present with an emphasis on major literary figures and movements. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123.

2153 Survey of World Literature I (3) F, SP, SU

A study of translated masterpieces of classical and European literature that have had a major influence on the development of Western culture, particularly on English and American literature. Much attention is given to the classical tradition in Homer, Virgil, and Dante and to mythology of the Greeks and Romans. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123.

2163 Survey of World Literature II (3) F, SP

A study of translated masterpieces of World Literature that have had a major influence on the development of Western culture, particularly on English and American literature, since 1500. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123.

219V Studies in Literature (3) Offered on Demand.

A study of a special topic in literature selected by the instructor. This course meets the general education sophomore literature requirement. Prerequisite English 1123.

- 2903 Introduction to Literary Studies (3) SP**
An introduction to the discipline of English as a profession, focusing on the historical development of English studies, the foundational knowledge and skills expected of English majors (including modes of writing in the discipline, techniques of disciplinary research, and methods of interpretation and criticism), and vocational preparation. Assessment will include the preparation of a professional portfolio. Required of all English majors. Pre- or Corequisite: sophomore literature.
- 300V Practicum (1-3) F, SP**
A writing-related practicum for English majors, directly supervised by English department faculty. Offered on demand. Open to sophomores, juniors and seniors. Assessment includes course portfolio. May be taken for SALT credit with instructor permission. Repeatable for up to 6 hours credit. Prerequisite: English 3013.
- 3013 Advanced Composition and Rhetoric (3) F, SP**
A study of rhetorical strategies used to write about both formal and informal topics. Entails the analysis of prose styles, stresses organization and presentation of information and ideas, the presentation of a case or a formal argument, and adaptation of a stance to fit the particular audience. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123, or their equivalents. Required of English Teaching majors.
- 3023 English Grammar (3) F***
An eclectic study that includes both a review of the traditional grammar and an introduction to some important concepts of structural and transformational grammar. Class discussion and assigned readings and exercises aim at discovery of principles by which we generate and analyze the structures of standard English, with special attention to grammatical terminology that is especially useful for teachers and writers. More specifically, this study examines syntactic patterns and their transformations, form and function in the several word classes, and the relation of standard dialect and punctuation to grammatical concepts. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123, or their equivalents. Required of English Teaching majors.
- 3033 History of the English Language (3) SP***
A study of the development of the English language as manifested in changes in its phonology, morphology, grammar, and semantics, especially as these can be understood in relation to culture and to some fundamentals of linguistics. Although some attention is given to Indo-European correspondences, the emphasis is on developments from the Old English Period to the present, including American dialects. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123, or their equivalents. Required of English Teaching majors.
- 3053 Literature for Young Adults (3) SP**
This course provides experiences with literary works, typically outside the classical/traditional canon, which are suitable for use in the secondary classroom. Among varied assignments, students survey young adult readers and practice teaching to the class a young adult novel of their choice. The course is designed for English Teaching majors. Prerequisites: a sophomore literature course. This course *may satisfy* the SALT Tier II requirement.
- 3143 Technical Writing (3) SP***
This course provides practice in technical writing and correspondence while examining technical writing principles and style. Students are guided in polishing a technical research project and report from their own academic disciplines. By permission of the instructor. Prerequisites: English 1113 or Lipscomb Seminar 1103 and English 1123 or their equivalents. This course *may satisfy* the SALT Tier II requirement.
- 3233 History of American Literature (3) F**
An intensive overview of the historical and cultural contexts which produced, shaped, and were shaped by American literature from the colonial period to the Civil War, focusing on key periods, developments, figures, works, genres, movements, themes, and terms. Students will read heavily in both primary and secondary texts. Prerequisite: sophomore literature.
- 3243 History of British Literature I (3) SP**
An intensive overview of the historical and cultural contexts which produced, shaped, and were shaped by British literature from the early Middle Ages through the mid-17th century, focusing on key periods, figures, works, genres, movements, themes, and terms. Students will read heavily in both primary and secondary texts. Prerequisite: sophomore literature.
- 3253 History of British Literature II (3) F**
An intensive overview of the historical and cultural contexts which produced, shaped, and were shaped by British literature from the late 17th century through the 20th century, focusing on key periods, developments, figures, works, genres, movements, themes, and terms. Students will read heavily in both primary and secondary texts. Prerequisite: sophomore literature.
- 36n3 Creative Writing (3) F**
An introduction to creative writing, taught in a workshop setting; genres will vary upon demand. Students will write, constructively critique each other's work, and study the work of established writers in a workshop setting. Students will also be introduced to the process of entering literary competitions, applying for grants, researching publication opportunities, and submitting work for publication. Repeatable. Prerequisite: sophomore literature.
- 3713 Fiction as Genre (3) F**
An intensive study of the prose fiction genre in English and in English translation, emphasizing formal and critical analysis. Students will read novels and short stories by a range of established writers, both classic and contemporary; they may also be required to attend public readings, both on and off campus. Prerequisites: English 2903 and 3013.
- 3723 Poetry as Genre (3) SP**
An intensive introduction to poetry in English, especially the lyric, emphasizing formal and critical analysis. Students will read a wide range of poems by established poets, both classic and contemporary; they may also be required to attend public readings, both on and off campus. Prerequisites: English 2903 and 3013.
- 3733 Shakespeare (3) F**
An in-depth study of William Shakespeare as a major literary figure. Students will study Shakespeare's plays and poetry as well as his historical context and cultural significance. Required for all English majors. Prerequisite: sophomore literature.
- 400V Internship for English Majors (1-3) F, SP**
A practicum for English majors. Open to juniors and seniors. Repeatable for up to six hours credit. Prerequisites: English 1113, 1123. This course *may satisfy* the SALT Tier II requirement.
- 4052 Methods of Teaching English (2) F**
Through study and participant observation, this course provides the prospective teacher with information about and opportunities for research into methods of teaching literature, grammar, and composition in the secondary classroom. Practice in making lesson plans is provided. Students are encouraged, though not required, to take English 3053 (Literature for Young Adults) before enrolling in this course. If possible, this course should be taken the semester immediately before student teaching and in conjunction with ED 3534 (Laboratory Experiences and Teaching Strategies in Secondary Schools). Prerequisite: admission to English Teaching program (see requirements under English Teaching Major). This course *may satisfy* the SALT Tier II requirement.
- 419V Special Topics (1, 2, 3) Offered on Demand.**
Permitting variable credit of one, two or three hours, this course is designed to further the study of and research into a special topic. Prerequisite is any one of the following: English 2113, 2123, 2133, 2143, 2153, 2163. This course *may satisfy* the SALT Tier II requirement.

*Offered in alternate years

- 4203 Literary Theory and Criticism (3) SP**
The course attempts to define and illustrate several of the principal approaches taken by critics in interpreting and evaluating literary works. Assignments include readings in influential critical texts from Plato to the present, with particular attention to major terms of criticism. Prerequisite is any one of the following: English 2113, 2123, 2133, 2143, 2153, 2163.
- 4513 Honors English (3) Offered on Demand.**
A seminar course designed for English majors who have maintained a superior record. Emphasis is placed upon individual research. A long research essay is required. Prerequisites: See Academic Chair.
- 460V Independent Study in English (1, 2, 3)**
Offered according to individual need and interest, and permitting variable credit of one, two, or three hours, this course is designed for students who have completed at least one upper-division English course and wish to propose a program of independent study which would deepen or extend their knowledge of literature, written communication, the English language, or the teaching of English. The proposed program of study must be approved by the academic chair. Prerequisite is any upper-division English course (at the level of 3000 or above).
- 46n3 Seminar in American Literature (3) F, SP**
An advanced undergraduate seminar focusing intensively on a topic, theme, period, group, genre, etc., from American literature, selected by the instructor. Students will deliver class presentations, perform significant research, and produce a substantial research project. Required of all English majors. Prerequisites: English 2903 and 3013.
- 47n3 Seminar in British Literature (3) F, SP**
An advanced undergraduate seminar focusing intensively on a topic, theme, period, group, genre, etc., from British literature, selected by the instructor. Students will deliver class presentations, perform significant research, and produce a substantial research project. Prerequisites: English 2903 and 3013.
- 480V English Travel (1, 2, 3) SU**
Group travel with Lipscomb English instructor. Research and writing are required. Prerequisite: See Academic Chair.
- 48n3 Seminar in World Literature (3) Offered on Demand.**
An advanced undergraduate seminar focusing intensively on a topic, theme, period, group, genre, etc., from world literature (in translation), selected by the instructor. Students will deliver class presentations, perform significant research, and produce a substantial research project. Prerequisites: English 2903 and 3013.
- 4992 Senior English Capstone (2) SP**
A review of the entire field of English and American literature designed to help the student organize, integrate, and evaluate material which he/she has previously studied, to allow the student to strengthen knowledge in areas not thoroughly covered by course work, and to demonstrate a knowledge of bibliography and research. This course is designed to help the student prepare for the comprehensive examination in English. Required of all English majors. Prerequisites: All requirements for the major, or permission of Academic Chair.
- 49n3 Seminar in Special Topics (3) Offered on Demand.**
An advanced undergraduate seminar focusing intensively on a topic, theme, period, group, genre, etc., that crosses traditional boundaries between subject areas. Students will deliver class presentations, perform significant research, and produce a substantial research project. Prerequisites: English 2903 and 3013.



Students come to Lipscomb from 44 states and 24 nations.

Department of Foreign Languages

Charles H. McVey, Jr., *Professor and Academic Chair*

Kelly I. Kidder, *Assistant Professor*

Theodore H. Parks, *Associate Professor*

Valery W. Prill, *Professor*

Kimberly C. Reed, *Professor*

Lipscomb's Department of Foreign Languages exists to help students communicate in other languages, know the literature, history, and culture of people using other languages, and develop intellectual tools and an awareness of diversity they can use to continue learning about the world and their responsibilities in it.

The department's mission grows out of the university's Christian identity as well as centuries of educational practice. That God chose to communicate through the grammar and vocabulary of a scriptural text and also became a human being who thought in and spoke a specific language demonstrates the importance of language in God's interaction with humankind. Similarly, from the Middle Ages on, Western education included grammar and rhetoric, two of the seven historic liberal arts. Learning languages is fundamental for a Christian university that, like Lipscomb, focuses on undergraduate education in the liberal arts and sciences.

Distinctives in the Foreign Language Department

French-, German-, and Spanish-language channels are available on campus cable networks. The Department of Foreign Languages is the first American university to adopt web-based usage of Auralog's award-winning Tell Me More software for its French, German, Spanish and English Language learners.

Lipscomb University's Department of Foreign Languages is the only one in Middle Tennessee to offer Pre-Kindergarten-12 teaching certification in French, German, and Spanish. Courses leading to Pre-Kindergarten-12 add-on endorsements in those languages, and English as a Second Language are also offered.

Study Abroad Opportunities

The Foreign Language Department offers a variety of study abroad opportunities for language students. Students may participate in an intensive French summer program in Chicoutimi, Quebec, or an intensive Spanish program in Toledo, Spain, through the department's membership in the Mid-Continent Consortium. For more information about this program, contact the Office of Global Learning. The Lipscomb in Vienna program is a fall semester program of particular interest to students of German. The Council for Christian Colleges and Universities (CCCU) programs in Russia and Central America provide other options (see the director of Global Learning Programs). Additionally, students may receive credit for travel and study in countries where French, German, or Spanish are native or official languages. For information on the department's travel credit, see the major professor for your language.

Career Opportunities

Many foreign language majors find careers in high school teaching or continue into graduate school to prepare to teach at the college level. However, there are other interesting endeavors in which a foreign language major would be beneficial, such as the following:

- International business, commerce, and industry
- Airline or travel industries
- Journalism, advertising, and other media forms for the international markets
- Positions with government agencies and political organizations for domestic and overseas service
- Missions work in foreign countries
- Interpreting
- Translating

Departmental Admission Requirements

All new students (freshmen and transfers) who have studied a foreign language in high school or at another college or university MUST take a short placement assessment BEFORE attending the preregistration counseling session with the academic advisor or attempting to register for any courses in that same language. This assessment is short (20-30 minutes), convenient and easy to access online (<https://www.softstudy.com/store/EXAM.cfm>), with placement readily available as soon as you e-mail your score to the academic chair (charlie.mcvey@lipscomb.edu).

Summer Intensive Courses

The elementary and intermediate language programs are offered from time to time during the summer session in an intensive version—1115 and 1125 in one session. Students should realize that the pace of such a course is rigorous and will require at least as much if not more time than a full load during the fall or spring semesters. It is recommended that students **not take any additional course work** nor become involved in many outside activities during such an intensive course (i.e., one should not plan to work more than 12-15 hours per week).

ALL students intending to take an intensive language program must complete the placement assessment and consult with the academic chair PRIOR to having their schedules for the summer session approved by their advisors.

Requirements for Majors

French Major

B.A. degree program only

Total hours required—28

Specific courses required—

French 2012, 2113, 2022, 2123, 3113, 3123, 4113, 4123

Six hours selected from the following:

French 3133, 3143, 3153, 401V, 452V, 4XNV

Students majoring in French are encouraged to take courses in European History.

Students are also encouraged to take another foreign language (1115, 1125 sequence).

Before registering for any French class, students with previous study in French (high school or college) must take the department's computerized placement test. This test, which takes approximately 20 to 30 minutes, will determine the proper level for you to begin your language study at Lipscomb. You must have a signed department form in order to complete registration.

French Teaching Major

B.A. degree program only

I. General Education Required of Secondary and K-12 Teacher Education Students (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

French 4514, 321V

III. Subject Matter Specialization

French 2012, 2113, 2022, 2123, 3113, 3123, 3153, 4113, 4123, 452V (usually for 3 hours)

Foreign language teaching majors have a built-in minor and are not required to take another minor.

German Major

B.A. degree program only

Total hours required—28

Specific courses required—

German 2012, 2113, 2022, 2123, 3113, 3123

Twelve hours selected from the following:

German 3133, 3143, 401V, 4113, 4123, 452V, 4XNV

Students majoring in German are encouraged to take courses in European History.

Students are also encouraged to take another foreign language (1115, 1125 sequence).

Before registering for any German class, students with previous study in German (high school or college) must take the department's computerized placement test. This test, which takes approximately 20 to 30 minutes, will determine the proper level for you to begin your language study at Lipscomb. You must have a signed department form in order to complete registration.

German Teaching Major

B.A. degree program only

I. General Education Required of Secondary and K-12 Teacher Education Students (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

German 4514, 321V

III. Subject Matter Specialization

German 2012, 2113, 2022, 2123, 3113, 3123, 3133, 4113, 4123, 452V (usually for 3 hours)

Foreign language teaching majors have a built-in minor and are not required to take another minor.

Spanish Major

B.A. degree program only

Total hours required—28

Specific courses required—

Spanish 2012, 2113, 2022, 2123, 3413, 3423

Twelve hours selected from the following:

Spanish 3143, 3433, 3453, 401V, 4413, 4423, 452V, 4XNV

Students majoring in Spanish are encouraged to take courses in European as well as Latin American History.

Students are also encouraged to take another foreign language (1115, 1125 sequence).

Before registering for any Spanish class, students with previous study in Spanish (high school or college) must take the department's computerized placement test. This test, which takes approximately 20 to 30 minutes, will determine the proper level for you to begin your language study at Lipscomb. You must have a signed department form in order to complete registration.

Spanish Teaching Major

B.A. degree program only

I. General Education Required of Secondary and K-12 Teacher Education Students (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

Spanish 321V, 4514

III. Subject Matter Specialization

Spanish 2012, 2113, 2022, 2123, 3413, 3423, 3433, 3453, 4413, 4423, 452V

Foreign language teaching majors have a built-in minor and are not required to take another minor.

Requirements for Minors

Foreign Language Distributive Minor (Available to Foreign Language Majors only)

Total hours required—20

If a student majors in French, German or Spanish, he/she may earn a distributive minor by taking the first year sequence of any two of the other languages offered in the department (Chinese 1115, 1125, French 1115, 1125, German 1115, 1125, Russian 1115, 1125 or Spanish 1115, 1125).

French Minor

Total hours required—20

Specific courses required—

French 1115, 1125, 2012, 2113, 2022, 2123

German Minor

Total hours required—20

Specific courses required—

German 1115, 1125, 2012, 2113, 2022, 2123

International Studies Minor

Total hours required—19

Specific courses required—

Management 3603

One of the following blocks:

French 2012, 2113, 2022, 2123

German 2012, 2113, 2022, 2123

Spanish 2012, 2113, 2022, 2123

Six hours selected from:

History 3153, 3323, 4053, 4103, 4133, 4143

Political Science 3033, 3133, 3153, 4053, 4133, 4213, 4233

This is an interdisciplinary program of the departments of Business Administration, Foreign Languages, and History, Politics and Philosophy.

Spanish Minor

Total hours required—20

Specific courses required—

Spanish 1115, 1125, 2012, 2113, 2022, 2123

CHINESE (CHIN)

1115, 1125 Elementary Chinese I, II (5, 5) 1115-F; 1125-SP

This course is an introduction to the Chinese language and culture, with an emphasis on communication. It focuses on speaking and listening skills, as well as cultural knowledge. Students will also learn the appropriate gestures used in native speakers as part of their communications. Reading and writing will be introduced once students have become familiar with the Mandarin sounds.

FOREIGN LANGUAGE (FL)

1xnV Special Topics/Courses (1-5) F, SP, SU

Selected topics or special courses in language, literature, and culture as well as linguistics not available through the three language major programs (French, German, Spanish). Usually a combination of lecture, skill-building sessions, and laboratory or field experiences. Offered upon sufficient demand and subject to staff availability. Does not fulfill the B.A. foreign language requirement.

FRENCH (FR)

101V, 102V French for Reading Knowledge I, II (1-3)

A two-semester sequence introducing grammar including extensive practice in content reading and foreign language reading techniques. The primary skill developed will be a reading knowledge of the language although oral practice will be used to enhance the speed and quality of learning. Available to 1) undergraduate and non-traditional students only as an elective on a credit basis (or as an audit) and to 2) graduate students as an audit (or as undergraduate credit; no graduate credit available). **This course does not fulfill the undergraduate B.A. language requirement.** Offered on demand.

1115, 1125 Elementary French I, II (5, 5) 1115-F; 1125-SP; 1115 and 1125-SU

An introduction to the French language including pronunciation, vocabulary, grammar, reading, writing, conversation and culture of the country. Five hours of classwork per week supplemented by individual work on the computer or small group assignments. Prerequisite to 1125: French 1115 or equivalent with minimum grade of "C." Lab Fee: \$20.

2012, 2022 Conversation (2, 2) 2012-F; 2022-SP

Practice in listening comprehension and conversing with other students on a variety of topics. 2012 to be taken in conjunction with 2113, 2022 with 2123. Prerequisite to 2022: French 2012 with minimum grade of "C." 2012 corequisite to 2113; 2022 corequisite to 2123. Lab Fee: \$20.

2113, 2123 Intermediate French I, II (3, 3) 2113-F; 2123-SP

A continuation of grammar study, with emphasis on composition, and an introduction to the culture and literature of France. 2113 to be taken in conjunction with 2012, 2123 with 2022. Prerequisite: French 1125 or equivalent with minimum grade of "C." Prerequisite to 2123: French 2113 with minimum grade of "C." 2113 corequisite 2012; 2123 corequisite to 2022.

3113 Advanced Grammar and Composition (3) F*

Study of problems in grammar and writing. (May be repeated for credit with prior approval.) Prerequisite: French 2022 and French 2123. Lab Fee: \$20.

3123 Advanced Conversation and Phonetics (3) SP*

Further training in the use of contemporary French in practical situations with emphasis on phonetic accuracy and conversational fluency. Prerequisite: French 2022 and French 2123. (May be repeated for credit with prior approval.) Lab Fee: \$20.

3133 French Civilization (3) F*

A study of French culture as reflected in geography, history, art, architecture and music from earliest times through the nineteenth century. Prerequisite: French 2022 and French 2123.

3143 Commercial French (3)

Introduction to vocabulary, syntax, and composition, both oral and written, needed to prepare students to work in a French-speaking business. Emphasis on practical business contact both written (business correspondence) and oral (directing business trips, meetings, marketing arrangements, import/export development). Prerequisite: French 2022 and French 2123. Offered on demand. Lab Fee: \$20.

*Offered in alternate years

- 3153 French Culture (3) SP***
A study of contemporary life in France and French-speaking countries with emphasis on current events in cultural, socio-political, and economic areas. This involves a broadening of multicultural awareness through a comparison of American and French cultures. Prerequisite: French 2022 and French 2123 or departmental permission. Offered upon sufficient demand.
- 321V Intermediate Practicum in Foreign Language Teaching (1-3) F, SP**
Upper-division language students may be selected to participate in teaching foreign language at the elementary school level. Students must confer with the chairman of the department in order to apply for this practicum.
- 333V Internship in Francophone Studies**
This course is individually contracted through the department and offers the foreign language major the opportunity to gain a variety of on-site experiences in a work setting. Preliminary counseling, supervision during the activity and subsequent evaluation will be provided by the professor to whom the internship is assigned. Evaluation will be based on assessments by the Lipscomb professor and the workplace supervisor, on regular progress reports, and on a summary report at the end of the semester. *The application process for this course must be completed the semester before the internship is to take place and prior to registration for the internship.* Prerequisite: French 2022 and French 2123 and permission of both the major professor of French and the academic chair.
- 401V Independent Studies (1-5) F, SP, SU**
Courses for students, mainly majors, who are capable of doing superior independent reading and research on various topics selected from French language and literature (including French Literature in English and the French Bible). A total of six hours is permitted toward the major.
- 4113 Survey of French Literature I (3) SP***
French literature to 1800. Prerequisite: French 2022 and French 2123. French literature to 1800. Prerequisite: French 2022 and French 2123. Satisfies the general education humanities literature requirement.
- 4123 Survey of French Literature II (3) F***
French literature since 1800. Prerequisite: French 2022 and French 2123. French literature to 1800. Prerequisite: French 2022 and French 2123. Satisfies the general education humanities literature requirement.
- 4514 Introduction to Teaching Foreign and Second Languages: Theory and Practice (4) F, SU***
Study of methods and materials for teaching French at all levels. Course is designed for French teaching majors, but does not count toward the 28-hour content major. To be taken prior to student teaching.
- 452V Travel in French-Speaking Countries (1-5) F, SP, SU**
Study tours, usually offered in the summer session, providing on-site investigation of historical and contemporary culture with suitable preparation and follow-up work. A total of five hours is permitted toward the major. Instructor's contracted approval required.
- 4xnV Special Topics (1-5)**
A variety of topics will be made available to the student. Topics will be chosen by the faculty and may include suggestions from advanced students. The course will provide an in-depth study of a particular topic which is normally not covered or is only briefly surveyed in the regular slate of courses. Offered with sufficient demand and subject to staff availability.

GERMAN (GE)

101V, 102V German for Reading Knowledge I, II (1-3)

A two-semester sequence introducing grammar including extensive practice in content reading and foreign language reading techniques. The primary skill developed will be a reading knowledge of the language although oral practice will be used to enhance the speed and quality of learning. Available to 1) undergraduate and non-traditional students only as an elective on a credit basis (or as an audit) and to 2) graduate students as an audit (or as undergraduate credit; no graduate credit available). **This course does not fulfill the undergraduate B.A. language requirement.** Offered on demand.

1115, 1125 Elementary German I, II (5, 5) 1115-F; 1125-SP; 1115 and 1125-SU

An introduction to the German language including pronunciation, vocabulary, grammar, reading, writing, conversation, and culture of the country. Five hours of classwork per week supplemented by individual work on the computer or small group assignments. Prerequisite to 1125: German 1115 or equivalent with minimum grade of "C." Lab Fee: \$20.

2012, 2022 Conversation I, II (2, 2) 2012-F; 2022-SP

Practice in listening comprehension and conversing with other students on a variety of topics. 2012 to be taken in conjunction with 2113; 2022 with 2123. Prerequisite to 2022: German 2012 with minimum grade of "C." 2012 corequisite to 2113; 2022 corequisite to 2123.

2113, 2123 Intermediate German I, II (3, 3) 2113-F; 2123-SP

A continuation of grammar study, with emphasis on composition, and an introduction to the culture and literature of Germany. 2113 to be taken in conjunction with 2012, 2123 with 2022. Prerequisite: German 1125 or equivalent with minimum grade of "C." Prerequisite to 2123: German 2113 or equivalent with minimum grade of "C." 2113 corequisite to 2012; 2123 corequisite to 2022.

3113 Advanced Grammar and Composition (3) SP

Study of problems in grammar and writing. (May be repeated for credit with prior approval.) Prerequisite: German 2022 and German 2123. Lab Fee: \$20.

3123 Advanced Conversation and Phonetics (3) F

Further training in the use of contemporary German in practical situations with emphasis on phonetic accuracy and conversational fluency. Prerequisite: German 2022 and German 2123. (May be repeated for credit with prior approval.) Lab Fee: \$20.

3133 German Historical Culture (3) F*

A study of Germanic and German culture as reflected in mythology, literature, geography, history, art, architecture and music from the earliest times down to the beginning of the modern period. A literary emphasis will concern texts from the Germanic, Old High German, Middle High German, and Early New High German periods as well as the Barock and Enlightenment movements. Prerequisite: German 2022 and German 2123. Satisfies the general education humanities literature requirement.

3143 Commercial German (3) SP

Introduction to vocabulary, syntax, and composition, both oral and written, needed to prepare students to work in German-speaking business situations. Prerequisite: German 2022 and German 2123. Lab Fee: \$20.

321V Intermediate Practicum in Foreign Language Teaching (1-3) F, SP

Upper-division language students may be selected to participate in teaching foreign language at the elementary school level. Students must confer with the chairman of the department in order to apply for this practicum.

333V Internship in Germanistik

This course is individually contracted through the department and offers the foreign language major the opportunity to gain a variety of on-site experiences in a work setting. Preliminary counseling, supervision during the activity and subsequent evaluation will be provided by the professor to whom the internship is assigned. Evaluation will be based on assessments by the Lipscomb professor and the workplace supervisor, on regular progress reports, and on a summary report at the end of the semester. *The application process for this course must be completed the semester before the internship is to take place and prior to registration for the internship.* Prerequisite: German 2022 and German 2123 and permission of both the major professor of German and the academic chair.

*Offered in alternate years

- 401V Independent Studies (1-5) F, SP, SU**
Courses for students, mainly majors, who are capable of doing superior independent reading and research on various topics selected from German language, literature and culture (including German Literature in English, Theological German, Scientific German, Old English, the Romantic Fairy Tale). A total of six hours is permitted toward the major.
- 4113 Survey of German Literature I (3) F***
German literature from 1700 to 1840. Literary and cultural survey from the Enlightenment period through 19th-century Romanticism (including Storm and Stress, Classicism, Romanticism, and das Junge Deutschland). Prerequisite: German 2022 and German 2123. Satisfies the general education humanities literature requirement.
- 4123 Survey of German Literature II (3) SP***
German literature since 1840. Survey of post-Romantic German literary movements (Realism, Naturalism) in the 19th century and primary literary figures in the 20th century (Hauptmann, Kafka, Mann, Hesse, Brecht, Boll, Grass) with emphasis on the Novelle of Poetic Realism and on the contemporary short story. Prerequisite: German 2022 and German 2123. Satisfies the general education humanities literature requirement.
- 4514 Introduction to Teaching Foreign and Second Languages: Theory and Practice (4) F, SU***
Study of methods and materials for teaching German at all levels. Course is designed for German teaching majors, but does not count toward the 28-hour content major. To be taken prior to student teaching.
- 452V Travel in German-Speaking Countries (1-5) F, SP, SU**
Study tours, usually offered in the summer session, providing on-site investigation of historical and contemporary culture with suitable preparation and follow-up work. A total of five hours is permitted toward the major. Instructor's contracted approval required.
- 4xnV Special Topics (1-5)**
A variety of topics will be made available to the student. Topics will be chosen by the faculty and may include suggestions from advanced students. The course will provide an in-depth study of a particular topic which is normally not covered or is only briefly surveyed in the regular slate of courses. Offered with sufficient demand and subject to staff availability.

RUSSIAN (RU)

- 101V, 102V Russian for Reading Knowledge I, II (1-3)**
A two-semester sequence introducing grammar including extensive practice in content reading and foreign language reading techniques. The primary skill developed will be a reading knowledge of the language although oral practice will be used to enhance the speed and quality of learning. Available to 1) undergraduate and non-traditional students only as an elective on a credit basis (or as an audit) and to 2) graduate students as an audit (or as undergraduate credit; no graduate credit available). **This course does not fulfill the undergraduate B.A. language requirement.** Offered on demand.
- 1115, 1125 Elementary Russian I, II (5, 5) 1115-F; 1125-SP; 1115 and 1125-SU**
An introduction to the Russian language including pronunciation, vocabulary, grammar, reading, writing, conversation, and culture of the country. Five hours of classwork per week supplemented by individual work on the computer or small group assignments. (Note: Only one year of Russian is offered; this is offered only upon sufficient demand and is also dependent on scheduling availability.) Prerequisite to 1125: Russian 1115 or equivalent with minimum grade of "C."

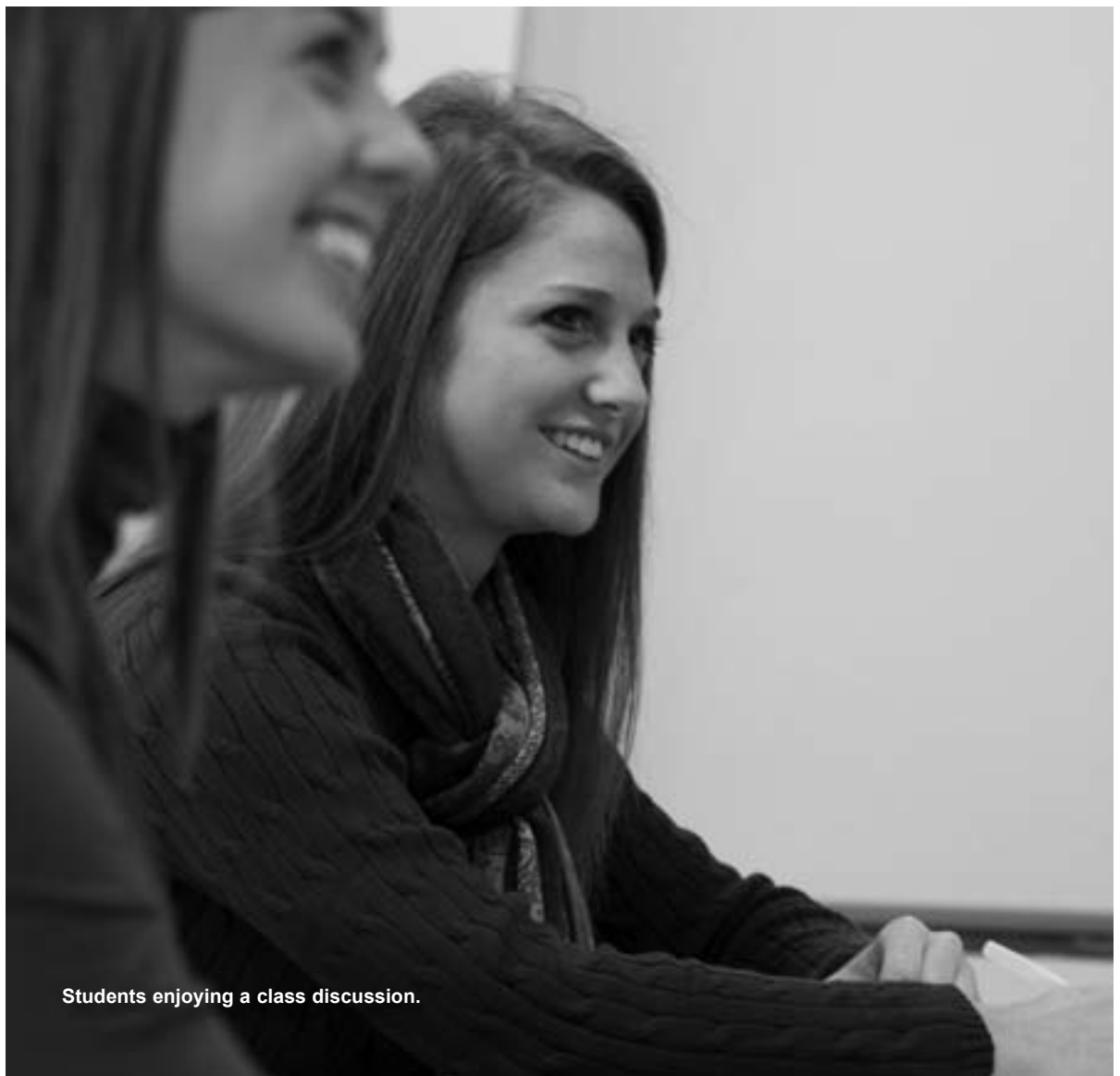
SPANISH (SN)

- 101V, 102V Spanish for Reading Knowledge I, II (1-3)**
A two-semester sequence introducing grammar including extensive practice in content reading and foreign language reading techniques. The primary skill developed will be a reading knowledge of the language although oral practice will be used to enhance the speed and quality of learning. Available to 1) undergraduate and non-traditional students only as an elective on a credit basis (or as an audit) and to 2) graduate students as an audit (or as undergraduate credit; no graduate credit available). **This course does not fulfill the undergraduate B.A. language requirement.** Offered on demand.
- 1115, 1125 Elementary Spanish I, II (5, 5) 1115-F; 1125-SP; 1115 and 1125-SU**
An introduction to the Spanish language including pronunciation, vocabulary, grammar, reading, writing, conversation and culture of the country. Five hours of classwork per week supplemented by individual work on the computer or small group assignments. Prerequisite to 1125: Spanish 1115 or equivalent with minimum grade of "C."
- 2012, 2022 Conversation (2, 2) 2012-F; 2022-SP**
Practice in listening comprehension and conversing with other students on a variety of topics. 2012 to be taken in conjunction with 2113; 2022 with 2123. Prerequisite to 2022: Spanish 2012 with minimum grade of "C." 2012 corequisite to 2113; 2022 corequisite to 2123.
- 2113, 2123 Intermediate Spanish I, II (3, 3) 2113-F; 2123-SP**
A continuation of grammar study, with emphasis on composition, conversation, and the culture and literature of Spain and Spanish America. 2113 to be taken in conjunction with 2012, 2123 with 2022. Prerequisite: Spanish 1125 with minimum grade of "C." Prerequisite to 2123: Spanish 2113 or equivalent with minimum grade of "C." 2113 corequisite to 2012; 2123 corequisite to 2022.
- 3143 Commercial Spanish (3) F, SP**
Introduction to vocabulary, syntax, and composition, both oral and written, needed to prepare students to work in a Spanish-speaking business. Prerequisite: Spanish 2022 and Spanish 2123. Lab Fee: \$20.
- 321V Intermediate Practicum in Foreign Language Teaching (1-3) F, SP**
Upper-division language students may be selected to participate in teaching foreign language at the elementary school level. Students must confer with the chairman of the department in order to apply for this practicum.
- 333V Internship in Hispanic Studies**
This course is individually contracted through the department and offers the foreign language major the opportunity to gain a variety of on-site experiences in a work setting. Preliminary counseling, supervision during the activity and subsequent evaluation will be provided by the professor to whom the internship is assigned. Evaluation will be based on assessments by the Lipscomb professor and the workplace supervisor, on regular progress reports, and on a summary report at the end of the semester. *The application process for this course must be completed the semester before the internship is to take place and prior to registration for the internship.* Prerequisite: Spanish 2022 and Spanish 2123 and permission of both the major professor of Spanish and the academic chair.
- 3413 Advanced Grammar and Composition (3) F***
Study of problems in grammar and writing. (May be repeated for credit with prior approval.) Prerequisite: Spanish 2022 and Spanish 2123. Lab Fee: \$20.
- 3423 Advanced Conversation and Phonetics (3) SP***
Intense practice in conversing with other students, performing in skits, giving reports, and making talks on a variety of useful topics. Prerequisite: Spanish 2022 and Spanish 2123. (May be repeated for credit with prior approval.) Lab Fee: \$20.
- 3433 Spanish Civilization (3) F***
A general introduction to the history and culture of Spain. Prerequisite: Spanish 2022 and Spanish 2123.

*Offered in alternate years

- 3453 Spanish-American Civilization (3) F***
A general introduction to the history and culture of Spanish America. Prerequisite: Spanish 2022 and Spanish 2123.
- 401V Independent Studies (1-5) F, SP, SU**
Courses for students, mainly majors who are capable of doing superior independent reading and research on various topics selected from Spanish literature and language. A total of six hours is permitted toward the major.
- 4413 Survey of Spanish Literature (3) SP***
A general overview of representative literary works from the Middle Ages to modern times. Reading and analysis of major authors. Prerequisite: Spanish 2022 and Spanish 2123. Satisfies the general education humanities literature requirement.
- 4423 Survey of Spanish-American Literature (3) SP***
A general overview of representative literary works from colonial to modern times. Reading and analysis of major authors. Prerequisite: Spanish 2022 and Spanish 2123. Satisfies the general education humanities literature requirement.
- 4514 Introduction to Teaching Foreign and Second Languages: Theory and Practice (4) F, SU***
Study of methods and materials for teaching Spanish at all levels. Course is designed for Spanish teaching majors, but does not count toward the 28-hour content major. To be taken prior to student teaching.
- 452V Travel in Spanish-Speaking Countries (1-5) F, SP, SU**
Study tours, usually offered in the summer session, providing on-site investigation of historical and contemporary culture with suitable preparation and follow-up work. A total of five hours is permitted toward the major. Instructor's contracted approval required.
- 4xnV Special Topics (1-5)**
A variety of topics will be made available to the student. Topics will be chosen by the faculty and may include suggestions from advanced students. The course will provide an in-depth study of a particular topic which is normally not covered or is only briefly surveyed in the regular slate of courses. Offered with sufficient demand and subject to staff availability.

*Offered in alternate years



Students enjoying a class discussion.

Department of History, Politics and Philosophy

Marc S. Schwerdt, *Assistant Professor and Academic Chair*

W. Craig Bledsoe, *Professor*

Donald D. Cole, *Visiting Professor*

William Collins, *Professor*

Jerry L. Gaw, *Professor*

Richard C. Goode, *Professor*

Timothy D. Johnson, *Professor*

J. David Lawrence, *Professor*

Linda P. Schacht, *Associate Professor*

Dwight L. Tays, *Professor*

Guy Vanderpool, *Visiting Professor*

The mission of the Department of History, Politics, and Philosophy is to prepare students for careers and employment in their own major area of study and for further graduate and professional studies. To that end, all students are prepared with research and writing skills, critical thinking skills, and analytical skills. Additionally, history majors are prepared with knowledge of history, historical events, historical trends, and interpretation of events. Political studies students are prepared with a knowledge base focused on fundamentals of government, political parties, and how politics and society are interwoven. Students majoring in philosophy are prepared to discuss and analyze abstract thoughts, be acquainted with the history of ideas, thoughts, and truths, and know how to measure what is true. The department strives to teach its disciplines in such a way as to encourage students to become engaged in past and present issues in a faith-oriented environment so they will reflect on their own values.

Distinctives of the History, Politics and Philosophy Department

The department of history, politics, and philosophy offers students the opportunity to study with faculty who have distinguished themselves through research and publication, excellence in teaching, and government service. Students are given the opportunity to extend themselves through a variety of internship opportunities, including one with the Tennessee State Legislature.

The department of history has recently undertaken innovative programs in the area of civil and human rights studies. The department of politics hosts an active pre-law organization and each year offers a special travel course, the Washington Seminar. Conducted in Washington, D. C., this course focuses on foreign policy and national security issues and is highlighted by an intensive week of briefings and seminars with key policymakers. Graduates from the department have received admission to the nation's premier law and graduate schools.

Career Opportunities

High School Teaching

College Teaching

Government Service

Non-government Organizations

Humanitarian and Social Justice Agencies

Journalism

Law

Law Enforcement

Requirements for Majors

Students majoring in American Studies, Government and Public Administration, History Teaching, History-Communication, Political Science, Political Science-Communication, or Urban Studies must take an exit exam.

American Studies Major

B.A. degree program only

Total hours required—45

Specific courses required—

English 2133, 2143

History 2213, 2223, 4993

Political Science 1023, 3283

Elective hours chosen as follows:

Six hours selected from:

English 3213, 3223, 3323, 3513, 3523, 4223

Twelve hours selected from:

History 3203, 3213, 3243, 3253, 3263, 3313, 4013, 4103, 4153, 4163, 4173, 4183, 4193

Six hours selected from:

Political Science 2253, 4203, 4213

Government and Public Administration Major

B.A. or B.S. degree program

Total hours required—54

Specific courses required—

Accounting 2503, 2513

Economics 2503, 2513

Political Science 1023, 2253, 3223, 3313, 3323, 400V, 4993

Elective hours chosen as follows:

Three hours selected from:

History 3253, 3263, 400V (3 hours), 4153

Nine hours selected from:

Upper-division Political Science courses

Nine hours selected from:

Accounting 3503, 3513

Information Technology 2043

Management 3503, 4453

Psychology 3323, 3413

Sociology 2113, 3023

History Major

B.A. degree program only

Total hours required—48

Specific courses required—

History 1113, 1123, 2213, 2223, 3013, 3323, 4993

Political Science 3253, 3263

Nine hours from first area of emphasis

Six hours from second area of emphasis

American History emphasis selected from:

History 3203, 3213, 3243, 3253, 3263

European History emphasis selected from:

History 3083 or 3093, 3113, 3123, 3133, 3143, 3153

Three hours selected from:

History 4053, 4103, 4133, 4143, 4173, 4183

Three additional hours selected from upper-division History courses.

History Teaching Major

B.A. degree program only

I. General Education Required of Secondary and K-12 Teacher Education Students (see page 160)

II. Professional Education (see page 160)

A. Core Professional Education

B. Specialized Professional Education

History 3051

III. Subject Matter Specialization

History 1013, 1023, 2213, 2223, 3323, 4023 plus 12 elective hours at or above the 3000 level

Political Science 1013

History majors must also complete one or both of the following areas of endorsement: Government/Political Science (12 hours including Political Science 1013, 1023, 3033, 3133) and/or Economics (12 total hours) Economics 2503, 2513 plus six hours electives.

History Teaching majors have a built-in minor in Education and are not required to take another minor.

History-Communication Major

B.A. degree program only

Total hours required-57

Specific courses required-

Communication 2604, 2614, 3303, 3653

History 1113, 1123, 2213, 2223, 3013, 3133, 3323, 3143, 3153, 4993

Political Science 3253,3263

Six hours selected from the 3000 series in American history

One hour or more from 4000 level courses.

The following course is highly recommended but not required:

Communication 3094

Philosophy Major

B.A. degree program only

Total hours required-42

Specific courses required-

Philosophy 1003, 2013, 3213, 3223, 3433, 4013, 4993

Nine additional hours of Philosophy (not listed above)

Remaining hours selected from:

Remaining Philosophy courses

Bible 4213

Communication 4043

English 4nn1, 4203

Mathematics 2103

Political Science 3253, 3263

Psychology 3453

Political Science Major

B.A. degree program only

Total hours required—46

Specific courses required—

Economics 2503, 2513

History 2213 and 2223 or History 3143 and 3153 or History 3253 and 3263

Political Science 1013, 1023, 3223, 3253, 3263, 4993

Sixteen hours to be selected from departmental offerings in political science

The following courses are highly recommended but not required:

Accounting 2503, 2513

Mathematics 2183

Political Science-Communication Major

B.A. degree program only

Total hours required—57

Specific courses required—

Communication 2604, 2614, 3303, 3653

Economics 2503, 2513

History 2213 and 2223 or History 3143 and 3153 or History 3253 and 3263

Political Science 1023, 3223, 3253, 3263, 4993

Sixteen hours selected from political science courses

The following courses are highly recommended but not required:

Communication 3094

Political Science 400V

Urban Studies Major

B.A. or B.S. degree program

Total hours required—54

Specific courses required—

Economics 2503, 2513, 3313

History 4153*

Political Science 1023, 3113*, 490V, 4993

Psychology 3413

Sociology 1123, 2113

Twenty-four hours selected from the following:

Biology 4044

Information Technology 2043

History 4173

Management 3503

Political Science 2253, 3313, 3323

Psychology 3323

Social Work 3113

Sociology 3023

*May elect either history or political science credit.

Requirements for Minors

Applied Ethics Minor

Total hours required—18

Specific courses required—

Bible 1063, 1053, 4213

Philosophy 1003, 3433, 366V (3 hours)

Criminal Justice Minor

Total hours required—18

Specific courses required—

Political Science 1023, 3433, 4203, 4513

Social Work 3333

Three hours selected from:

Political Science 2253, 470V (Intelligence Community and National Security)

Sociology 2113, 3023

Psychology 3413, 3513

Law, Justice & Society 2103, 2203

Ethics Minor

Total hours required—18

Specific courses required—

Bible 4213, Philosophy 3nnV, 2013, 3433

Either Philosophy 353V (3 hours) or 366V (3 hours)

Additional hours selected from:

Philosophy 1003, 3213, 3223

History Minor

Total hours required—18

Specific courses required—None

Eighteen hours chosen from History courses (except History 1213 or 3051) with approval of the academic chair. Six hours must be 1000 or 2000 level, remainder at 3000 or 4000 level.

History of Ideas Minor

Total hours required—18

Specific courses required—

History 1113, 1123

Philosophy 3213, 3223

Political Science 3253, 3263

Philosophy Minor

Total hours required—18

Specific courses required—

Philosophy 1003, 2013

Philosophy 3213, 3223

Six hours selected from:

Philosophy 3nnV, 3433, 3533, 366V, 4003, 4013, 4223

Political Science Minor

Total hours required—18

Specific courses required—None

Eighteen hours chosen from Political Science courses with approval of the Political Science Advisor.

Six hours must be at 1000 or 2000 level, remainder at 3000 or 4000 level.

International Studies Minor

This interdisciplinary minor is housed in the Department of Foreign Languages (see page 95).

HISTORY (HI)

1013 World Civilization I (3) F

A survey of the major civilizations of the world, emphasizing the most significant trends, personalities and events in Asian, African, European and American civilizations from 4500 B.C. to A.D. 1600.

1023 World Civilization II (3) SP

Same as 1013 except begins at 1500 and continues to present.

1113 Foundations of Western Civilization to 1600 (3) F, SP, SU

A survey of the major personalities, events, and trends in the early history of Western civilization.

1123 Foundations of Western Civilization Since 1600 (3) F, SP, SU

A survey of the major personalities, events, and trends in Western civilization since the Reformation.

1213 Themes in American History (3) SP

A course designed to introduce the student to the concept of history using a variety of issues and ideas in American history as a basis.

2213 History of the United States I (3) F, SP, SU

European backgrounds to the Civil War.

2223 History of the United States II (3) F, SP, SU

Civil War to the present.

2233 Introduction to Public History (3) F*

A course to introduce students to a variety of skills and professions which use historical skills outside of the classroom, including museums, archives, preservation, etc. This course *may satisfy* the SALT Tier II requirement.

3013 Historiography (3) F

A basic introduction to the field of history, historical methods, historical writing, and the use of the computer in the historical field.

3051 Teaching Resources Seminar (1) F

To be taken before the Professional Semester. The major requirement is the construction of a teaching unit.

3063 History of Medicine and Related Sciences (3) F*

The study of medical research and healthcare since ancient times.

3083 History of Greece (3) F*

A survey of ancient Greece, beginning with the Helladic period and the Minoan civilization and concluding with a study of the amalgamated Hellenistic period.

3093 Roman History (3) SP*

A survey of the history of ancient Rome from its early beginnings around 2000 B.C. to the downfall of the Western Empire in A.D. 476.

3113 Medieval Europe (4th Century-1350) (3) F*

A survey of Medieval civilization from the fall of the Roman Empire to the eve of the modern world.

3123 Renaissance and Reformation (1350-1648) (3) SP*

A course emphasizing the Italian and Northern Renaissances and the Protestant and Catholic Reformation movements, 1300-1648.

3133 Eighteenth Century Europe (3) F*

This course spans Europe from the Treaty of Westphalia to the defeat of Napoleon.

3143 Nineteenth Century Europe (1815-1914) (3) SP

A study that begins with the fall of Napoleon and continues to the outbreak of World War I.

3153 Twentieth Century Europe (1914-present) (3) F

Beginning with World War I, this course continues to the present.

3203 Colonial America (3) F*

A survey of the Colonial Americas ending with the American Revolution. Prerequisite: History 2213 or permission of the instructor.

3213 National Period (1776-1850) (3) SP*

Prerequisite: History 2213 or permission of the instructor.

3243 Civil War and Reconstruction (1850-1877) (3) F*

Beginning with the Compromise of 1850, this course stresses the division of the United States to the end of the Reconstruction era. Prerequisite: History 2223 or permission of the instructor.

3253 Foundations of 20th Century America (1877-1941) (3) SP*

A study emphasizing Industrialism, Populism, Progressivism, World War I, the Roaring '20s, and the New Deal. Prerequisites: History 2223 or permission of the instructor. This course *may satisfy* the SALT Tier II requirement.

*Offered in alternate years

- 3263 **Recent American Issues (1941-present) (3) SP**
A study of major issues beginning with World War II to the present. Prerequisite: History 2223 or permission of the instructor.
- 3313 **Historical Geography of the United States (3) SP***
A study of the geography of the United States from discovery and settlement, giving attention to the spread of population and the problems faced until the 1890s.
- 3323 **Cultural Geography (3) F**
An examination of the main regions of global geography with an emphasis on area studies and human-to-land relationships.
- 400V **Internship in Public History (1-12) F, SP**
Application process begins the semester before internship is to begin.
- 4013 **Religion and American Culture (3) F, SP***
An overview of American religions from the Colonial era to the present. See also Bible 3753.
- 4023 **History of Tennessee (3) SP***
The study of Tennessee emphasizing the political, cultural, social, and religious developments.
- 4053 **History and Politics of the Middle East (3) SP***
An historical survey of Middle Eastern Civilizations and an analysis of their political systems.
- 4nn1 **Readings in History (1) F, SP, SU**
Readings in areas where special needs or interests exist. Students must produce critical reviews on at least three books.
- 4103 **Latin America (3) SP***
An overview of Latin America with emphasis on the political, social, and economic conditions.
- 4113 **England Before the 17th Century (3) SP***
A study of the English history from earliest times to the death of Elizabeth I.
- 4123 **England Since the 17th Century (3) SP***
The political, social, and cultural development of England since 1600.
- 4133 **History and Politics of Russia (3) F***
A study of 19th and 20th century Russia with special emphasis on the Russian Revolution.
- 4143 **Modern China and the Far East (3)**
A survey of the political, religious, intellectual, and cultural developments of modern China, Japan, Korea, and Southeast Asia. Offered on demand.
- 4153 **Urban History and Politics (3) SP***
A historical and political overview of the city in American History. See also Political Science 3113.
- 4163 **The South in American History (3)**
A course that stresses ideas and attitudes that make the South a distinct region. Offered on demand.
- 4173 **The American Civil Rights Movement (3) F***
A survey of America's Civil Rights history with special attention to Nashville's role in the movement.
- 4183 **Native American Studies (3)**
A survey of American Indian history and culture. Offered on demand.
- 4193 **U.S. Military History (3) SP***
A survey of military history that focuses on American wars, military leadership, politics, and the evolution of U.S. military doctrine. Prerequisite: History 2213 and 2223 or permission of instructor.
- 4803 **History Travel (3) SU**
A group travel course with an instructor from Lipscomb. There are reading and writing requirements associated with the course.
- 490V **Selected Topics (1,2, 3)**
A diversity of topics will be made available to the student. Topics will be announced in the semester schedule. Courses offered the past include World War II, Nashville Scenes, Byzantine History, History of Germany, History of France, and Lost Civilizations. Offered on demand.
- 4993 **Senior Seminar (3) SP, SU**
This course is required of all History and American Studies majors.

PHILOSOPHY (PL)

- 1003 **Introduction to Philosophy (3) F, SP**
This course provides an opportunity for students to begin reflecting upon the major thinkers, traditions and problems of philosophy. Consideration is given to philosophical method, epistemology, metaphysics, philosophy of religion and ethics.
- 2013 **Logic (3) SP***
Informal logic and common fallacies in reasoning; formal logic/deductive arguments; identifying formal fallacies.
- 3213 **History of Philosophy: Ancient and Medieval (3) F**
A study of Greek and Roman philosophers with emphasis on Plato and Aristotle. An examination of major concerns of medieval philosophy with emphasis on the works of Thomas Aquinas.
- 3223 **History of Philosophy: Modern and Contemporary (3) SP**
A study of Rationalist, Empiricist, Existential and Phenomenological traditions, ending in such philosophers as Descartes, Kant, Locke, Berkley, Hume, Kierkegaard, Sartre and Husserl.
- 3433 **Ethical Theory (3) F*, SP*; Honors credit available**
An investigation of the alternative approaches found in the history of ethics and moral philosophy. Readings in Plato, Aristotle, Thomas Aquinas, Kant, Mill and others as might indicate the major deontological and teleological theories.
- 3533 **Biomedical Ethics (3) F; Honors credit available**
The course will begin with brief consideration of ethical theory and proceed to a consideration of the major problems of bioethics: medical confidentiality, informed consent, the allocation of scarce medical resources, abortion, euthanasia, and the physician-patient relationship. Consideration will be given to biblical perspectives. WC (3).
- 366V **Business and Professional Ethics (1, 2, 3) F, SP, SU (2); SU* (3) Adult**
Lectures, readings and case studies will be used to focus attention on the major problems in the ethics of business and professional life. Consideration will be given to biblical perspectives. WC (3).
- 3nnV **Topics in Philosophy (1, 2, 3) F, SP**
Selected readings around a contemporary issue of philosophical significance. May be repeated. (The middle two digits will vary depending on the topic chosen.)
- 4003 **Metaphysics (3) SP***
An examination and critique of various presuppositions about the nature of reality and the implications of those presuppositions.
- 4013 **Philosophy of Religion (3) F*, Honors credit available**
A discussion and critique of philosophical arguments, both for and against the existence of God. Prerequisite: Philosophy 1003.
- 4223 **Apologetics (3) F*, Honors credit available**
An emphasis upon the rational defense or justification of truth claims of the Christian faith.
- 4993 **Seminar in Philosophy (3) SP***
Required of all majors. Prerequisites: Philosophy 1003, 2013.

*Offered in alternate years

- 4nnV Readings and Independent Study in Philosophy (1, 2, 3)**
A course designed for independent study for students majoring or minoring in philosophy. Reading, research, and writing will be assigned to provide the student with opportunities to extend learning programs in the philosophy curriculum. Three hours are permitted toward the major or minor. Offered on demand. Permission of instructor required.

POLITICAL SCIENCE (PO)

- 1013 Introduction to Politics (3) F, SP**
A study of the political patterns of today's world, explaining the instruments, functions, and theories of modern governments.
- 1023 Introduction to American Government (3) F, SP**
An introduction to American government and politics, focusing on the presidency, congress, and the courts.
- 2253 American State and Local Government (3) SP**
An examination of the structure, functions, and politics of state and local governments.
- 3013 Political Communication (3)**
The study of political communication including the mass media and public opinion. Offered on demand.
- 3033 International Relations (3) SP***
An examination of the international political system.
- 3113 Urban History and Politics (3)**
The theory, history, structure, and politics of the city. Offered on demand.
- 3123 Public Policy Making (3) SU***
A systematic study of elements of the policy process, examining contemporary policy issues and policy analysis.
- 3133 Comparative Governments (3) F***
An analysis of patterns of political development, social forces, institutions, and public policy in modern Europe.
- 3153 Politics of Developing Countries (3)**
An analysis of the problems facing the non-western, less developed states of the world. Offered on demand.
- 3213 U.S. Political Parties and Elections (3) F***
An analysis of the U.S. party system giving emphasis to the history, functions, and organization of parties.
- 3223 Contemporary Political Methodologies (3) SP**
An introduction to statistical and research methods in the field of political science.
- 3253 History of European Political Thought I (3) F**
A chronological study of the great thinkers in the western tradition from the Greeks to the theorists of the seventeenth century.
- 3263 History of European Political Thought II (3) SP**
A chronological study of the great thinkers in the western tradition from the seventeenth century to the present.
- 3283 American Political Thought (3) F***
A study of the American political tradition from colonial status to the present.
- 3313 Public Administration I (3) F**
A study of management in the executive departments of the national, state, and local levels focusing on the development of interdisciplinary skills in the areas of management, organizational theory, and administrative leadership and accountability.
- 3323 Public Administration II (3) SP**
A study of management in the executive departments at the national, state, and local levels focusing on concepts like decision-making, policy making, budgeting, administrative law, and ethics, which are relevant in a variety of disciplines. (No prerequisite required.)
- 3413 Executive-Legislative Process (3) SP***
Examines the role of Congress and the presidency in the development of American politics. Attention is given to relations between the Executive Office of the president and Congress.
- 3433 Judicial Process (3) SP***
An examination of the role of law, the judicial structure, process, and participation in federal and state courts, and problems confronting the justice system.
- 400V Internship in Political Science (1-12) SP**
A practicum for political science and public administration majors. Six hours maximum counted toward major; three hours toward minor.
- 4053 History and Politics of the Middle East (3) SP***
An historical survey of Middle Eastern civilizations and an analysis of their political systems.
- 4133 History and Politics of Russia (3) F***
A study of 19th and 20th century Russia with special emphasis on the Russian Revolution.
- 4nn1 Readings in Political Science (1)**
Directed readings in areas where classwork has been taken. May be taken up to three times. The nn will vary depending on the topic chosen. Offered on demand.
- 4203 Constitutional Law (3) F**
An examination of Constitutional development by studying Supreme Court decisions dealing with judicial review, separation of powers, federalism, criminal procedure, First Amendment freedoms, and civil rights.
- 4213 American Foreign Policy (3) SP***
A study of traditions, organization, limiting factors, and conduct of American foreign policy.
- 4233 International Law and International Organizations (3)**
Investigates principles of international law and their relationship to international organizations. Offered on demand.
- 4513 Criminal Law and Procedure (3) SP***
A study of the American criminal justice system, its laws, procedures, and participants.
- 470V Selected Topics (1, 2, 3)**
A study of selected problems in the field of political science. Offered on demand.
- 4803 Political Science Travel (3) SU**
A group travel course with an instructor from Lipscomb. There is also a reading requirement for the course.
- 4813 Washington Seminar (3) SU**
Conducted in Washington, this course is highlighted by an intensive week of briefings and seminars with key policymakers. The focus is on foreign policy and national security issues. There is also a reading requirement for the course.
- 490V Research and Field Study (1, 2, 3)**
A supervised original research work directed toward problem solving or publication. Offered on demand.
- 4993 Seminar in Political Science (3) SP, SU**
A study of current problems in political science with emphasis on materials and methods.

*Offered in alternate years



Research promotes learning in the School of Natural Sciences and Mathematics.



Pre-medical students review scans in lab.

Medically-Related Preprofessional Programs

James T. Arnett, *Academic Chair*
Health Professions Advisory Committee

Preparation for Admission to Medically-related Professional Programs

Lipscomb University provides classes and courses of study which prepare students for admission to medically-related professional programs such as medicine, dentistry, pharmacy, optometry, veterinary medicine, physical therapy, occupational therapy, physician assistant, medical technology, and dental hygiene programs. We also provide a curriculum which will prepare students to enter graduate degree programs in nursing.

The pre-med program at Lipscomb has an excellent reputation with high acceptance rates to health-related professional schools and, more importantly, outstanding preparation of students for the professional programs. While a student may major in any department in the University while preparing for the healthcare-related professional schools, all of these schools have sets of prerequisite courses in the areas of biology, chemistry, and physics, departments which are especially strong at Lipscomb. Our alumni regularly tell us that they were well prepared for the studies at the professional school; faculty and administration at the professional schools also praise the preparation of Lipscomb students.

Health Professions Advisory Committee

Lipscomb University has a Health Professions Advisory Committee, composed of faculty teaching in the sciences and other academic areas on campus, which provides information on healthcare professions and the prerequisite courses for various professional schools, as well as workshops on interviewing and writing essays for admission to the schools. The Committee interviews students planning to apply to medically-related professional programs and writes letters of recommendation to those programs. Students interested in pursuing careers in health care should register with the Health Professions Office to receive information about speakers, recruiters, job opportunities, and other resources available to them. Information on pre-professional programs is available in the Health Professions Advisory Office and on the pre-med website (<http://premedical.lipscomb.edu>).

Degrees Conferred for Work Completed in Other Institutions

The Health Professions Office and the Registrar's Office can provide information on the amount of work which must be completed at Lipscomb University before entering the professional school. Certain three-year programs can qualify a student for the baccalaureate degree at Lipscomb University upon the satisfactory completion of the first year of professional school. A student must complete all general education requirements for the B.A. or B.S. degree, a minimum of 18 hours toward a major, and approximately 92 semester hours during the three years at Lipscomb.

Suggested First Year Curricula for Medically-Related Pre-Professional Programs

Detailed lists of prerequisite courses for each of the healthcare professional areas and suggested first-year curricula for selected pre-medical programs are available in the Health Professions Advisory Office, the offices of the Chairs of Biology and Chemistry and at <http://premedical.lipscomb.edu>.

Pre-Pharmacy

Consult the Health Professions Office and see page 185 in this Catalog for proposed courses of study designed to prepare a student for admission to the Lipscomb University School of Pharmacy and additional information about the School of Pharmacy.

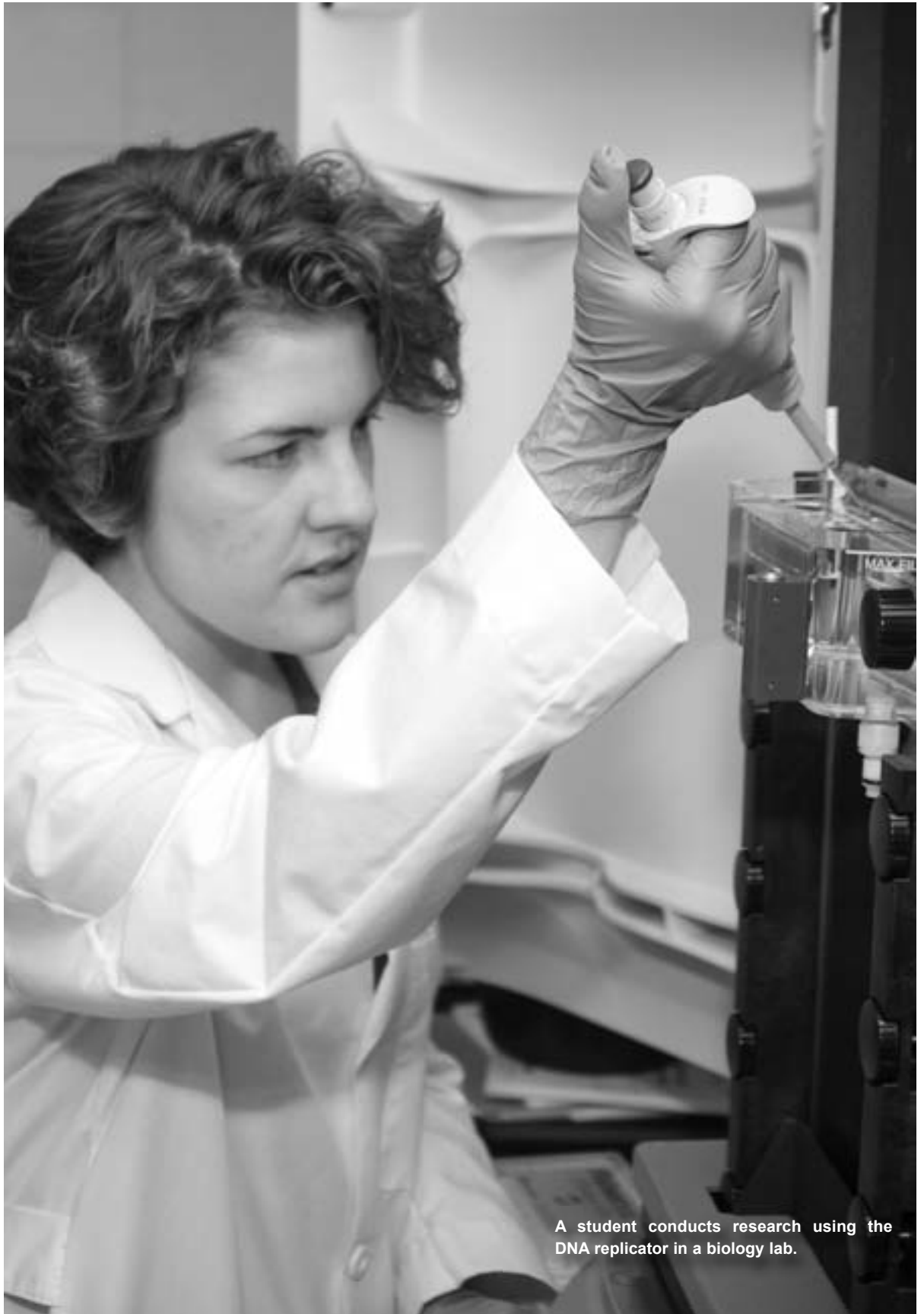
Medical Technology Program

Lipscomb University and Vanderbilt University Medical Center

This program requires three years of study at Lipscomb University and one year (12 months) study at Vanderbilt University Medical Center. Three years (approximately 95 semester hours) credit will be earned at Lipscomb before beginning study at Vanderbilt. After the completion of study at Vanderbilt, this credit will be added to the student's Lipscomb transcript. Total credit hours (Lipscomb plus Vanderbilt) for graduation will be 132 semester hours.

A suggested first year program of study at Lipscomb is outlined below. Second and third year courses may be obtained from the Registrar's Office or from the Health Professions Office at Lipscomb.

| | <i>First Year</i> | |
|-----------------------|-------------------|-----------|
| | F | S |
| Lipscomb Seminar 1103 | 3 | |
| Bible 1073, 1083 | 3 | 3 |
| Biology 1134, 1144 | 4 | 4 |
| English 1123 | | 3 |
| Math 1113 | 3 | |
| Communication 1003 | | 3 |
| Elective | 3 | 3 |
| | <u>16</u> | <u>16</u> |



A student conducts research using the DNA replicator in a biology lab.

Department of Biology

Kent Gallaher, *Professor and Academic Chair*

James T. Arnett, *Professor*

C. Phillip Choate, *Professor*

Sydney Clayton, *Assistant Professor*

Beth Conway, *Assistant Professor*

Tamera Klingbyll, *Instructor*

Larry N. Latson, *Professor*

Jon Lowrance, *Professor*

Mary Sledge, *Associate Professor*

Amanda Williams, *Instructor*

Oliver Yates, *Langford-Yates Distinguished Professor*

The mission of the Department of Biology at Lipscomb University is to enable the student to develop a basic understanding of and an appreciation for the biological world. The curriculum is designed to meet the needs of those students who plan to enter graduate and professional schools, those who plan to teach, and those who plan biology-oriented careers. The department will encourage critical thinking skills and help students integrate a working knowledge of biology with associated sciences in order to achieve their career goals via an educational experience presented in the context of a Christian worldview.

Distinctives of the Biology Department

The department is housed in a fully-equipped facility offering a wide range of courses and laboratory experiences. Students interested in research are given opportunities in investigative laboratory experiences in specifically designed courses, independent projects guided through faculty research interests, senior honors thesis projects, and summer research internships sponsored by the biology department or other universities. In addition to laboratory experiences the department offers several field-oriented experiences including specific courses and summer programs in field biology and environmental science.

Career Opportunities

The department offers a Bachelor of Science and a Bachelor of Arts degree with a major in biology, biology for teacher certification, and molecular biology. Students are prepared for post-graduate work in a wide range of biological fields such as molecular biology, genetics, ecology, and environmental sciences. In addition, many students pursue careers in health care fields such as medicine, dentistry, veterinary science, pharmacy, nursing, physician assistant programs, and other allied health professions. Among recent graduates 73 have attended medical school, 15 attended dental school, 35 attended pharmacy school, five attended veterinary school, and seven enrolled in Ph.D. programs. The department's curriculum is relevant and rigorous with a faculty interested in assisting the students in achieving their career goals in a highly competitive world. Students graduating with a degree in biology have a wide variety of career opportunities available.

The graduates of the Department of Biology have distinguished themselves in many ways and are presently utilizing their training in the following areas:

Medical, dental, pharmacy, nursing, veterinary, medical technology, and medically-allied schools
Advanced degrees in biology and related fields
Administrators, research assistants, and technologists at clinics, state health laboratories, hospitals, and research centers
Surgical assistants
Teaching at junior and senior colleges, universities, and medical schools
High School Teaching
Sales representatives for pharmaceutical firms
Science education coordinators for state departments of education
Biomedical librarians
Biomedical law
Medical secretaries
Environmentalists, foresters, conservationists, and wildlife biologists for state and federal governments
Biologists for industry

Requirements for Majors

Biology Major

B.A. or B.S. degree program

Total hours required—minimum 56

Specific courses required—

Biology Core*

Biology 1134, 1144, 2114, 3114, 4044, 4801

Biology electives

Five courses selected from: Biology 2213 or (3514 and 3524), 2424 or 3214, 2623, 2723, 2813, 3223, 3323, 3413, 3903, 4123, 4213, 4323, 4413, (450V or 460V)

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221

Mathematics

The general education requirement in Mathematics for a Biology major cannot be satisfied by a course numbered below Math 1113.

*A minimum grade of "C" in each of the core courses is required. Each biology major must take the Major Field Achievement Test in Biology prior to graduation.

Biology Teaching Major (General Science-Biology)

B.A. or B.S. degree program.

- I. General Education Required of Secondary and K-12 Teacher Education Students* (see page 160)
- II. Professional Education (see page 160)
- III. Subject Matter Specialization

Biology **

Biology 1134, 1144, 2114, 2213, 3052, 3114, 4044, 4801

Two courses selected from: Biology 2424, 2623(F), 2723(F), 2813(F), 3612(F), 4123, 4213, 4413, at least one course must be field oriented (F).

Chemistry 1013, 1023

Mathematics 1113

Physics 1013

*Omit Biology 1003 and Mathematics 1043. Chemistry 1013 and Physics 1013 are included in subject matter specialization.

**A minimum grade of "C" in each of the Biology courses.

Biology Teaching majors have a built-in minor in Education and are not required to take another minor.

Molecular Biology Major

B.A. or B.S. degree program

Total hours required—minimum 71

Specific courses required—

Biology Core*

Biology 1134, 1144, 2114, 3001, 3114, 4123, 450V or 3903, 4801

Biology Electives

Five courses selected from: Biology 3214, 3223, 3323, 3333, 3514, 3524, 4213, 460V

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 3313

Mathematics 2183

Physics** 1214, 1224

*A minimum grade of "C" in each of the core courses is required. Each biology major must take the Major Field Achievement Test in Biology prior to graduation.

**Students may substitute PH 2414 and PH 2424 and its calculus prerequisites

Requirements for Minor

Biology Minor

Total hours required—18

Specific courses required—None

Students seeking teaching endorsement in Biology should consult the chair of the Department of Biology.

Integrated Sciences Courses (General Education)

SCI 1003, SCI 1013 The Power of Science I and II: Scientific advances touch our lives daily. Today's science culture is interdisciplinary, collaborative and evidence-based. These two courses provide students (non-science majors) with a general education science option that integrates several science disciplines (i.e., biology, chemistry, physics, nutrition, and environmental science) through an experiential approach to learning via field and laboratory investigations. Past field trips have included a water quality analysis of the Harpeth River and a sampling of local bacteria for antibiotic resistance. Case studies are also used to focus students on learning through their cooperative efforts and assist them in developing analytical and decision-making skills as well as an understanding of the process of science and its limitations. Those who successfully complete this course sequence should be better-informed and better-prepared to make decisions regarding scientific and technological issues facing our society. Lecture, 2 hours; Lab 2 hours. SCI 1003 *may satisfy* the SALT Tier II requirement.

BIOLOGY (BY)

1003 Fundamentals of Biology (3) F, SP, SU

This course is offered for the non-biology major and is designed to develop an interest in the biological world of which he/she is a part. The fundamental principles of biology are covered and special consideration is given to ethical issues with a biological basis. Does not count towards a biology major. Lecture, 3 hours. This course *may satisfy* the SALT Tier II requirement.

1013 Environmental Biology (3) F

A freshman-level course in environmental science. A study of the natural environment as it relates to ecology, ecosystems, human population growth, soil formation and conservation, biotechnology, toxicology, air and water quality, biodiversity, land use management, energy resources, and waste management. Discussions will include the ethics and policy-making process related to these issues. Does not count towards a biology major. Lecture, 3 hours.

1134 Principles of Biology: Cell and Genetics (4) F, SP

This course is required for all biology majors and minors and should be taken during the freshman year. This course is designed to introduce the student to major concepts of the life sciences with an emphasis on cellular biology. Biological chemistry, organelle structure and function, membrane transport, cell cycles, energy metabolism, genetics and cell synthesis will be covered. Appropriate lab activities are included. Lecture, 3 hours; laboratory, 2 hours.

1144 Principles of Biology: Diversity and Ecology (4) F, SP

This course is required of all biology majors and minors and should be taken during the freshman year. This course is designed to introduce the student to major concepts of the life sciences with an emphasis in botany, zoology, and ecology. Surveys of the kingdoms, plant structure and function, plant hormones, animal structure and function, animal development, animal behavior, and basic ecological concepts will be some of the topics covered. Appropriate lab activities are included. Lecture, 3 hours; laboratory, 2 hours.

2114 Cell Biology (4) F, SP

This course is designed to cover the general principles of cell biology. History of cell biology, cytological techniques, cell boundary, cell physiology, organization of cytoplasm, comparative cytology, cell reproduction, cell inheritance and development are major areas covered. Laboratory experiences include types of microscopy, morphology of procells and eucells, selected exercises in cell physiology, membrane transport, mitosis and meiosis, and special cytological and histological techniques. Prerequisite: Biology 1134 with a minimum grade of "C." Lecture, 3 hours; laboratory, 2 hours.

2213 Introductory Human Anatomy and Physiology (3) SP, SU

Fundamental anatomy and physiology of the human body are examined by lectures, readings, and laboratory exercises. The organ systems and their relationships are reviewed with emphasis on practical application when possible. No prerequisites. Lecture, 2 hours; laboratory, 2 hours.

- 2321 Medical Terminology (1) F, SP**
The terminology of the biomedical sciences is reviewed. The use of combining forms, prefixes, and suffixes is emphasized with a goal of better comprehension of written material. No prerequisites. Lecture, 1 hour. Does not count toward the biology major.
- 2424 Introductory Microbiology (4) SP, SU**
Structure, growth and metabolism of microorganisms are discussed briefly with the major emphasis in the course on practical aspects of bacteriology including control of bacterial growth, bacteria of medical interest, and microorganisms in the food and dairy industry. Lecture, 3 hours; laboratory, 3 hours.
- 2434 Anatomy and Physiology I (4) SP**
This course is primarily designed for students in nursing and allied health sciences. The structure and function of the human body are examined with emphasis upon control mechanisms. The major body systems are studied with lecture and laboratory experiences with a systematic approach. Cell structure, physiology and tissue systems will be emphasized. Lecture: 3 hours; laboratory, 2 hours. This course is not open to Biology majors or minors.
- 2444 Anatomy and Physiology II (4) F**
This course is a continuation of Biology 2434. The circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems are studied with emphasis upon homeostasis. Major topics of physiology are integrated with a systematic approach. Prerequisite: Biology 2434. Lecture: 3 hours; laboratory, 2 hours. This course is not open to Biology majors or minors.
- 2623 Field Botany (3) SP***
A field oriented course designed to familiarize the student with the flowering plants including wildflowers, vines, flowering shrubs, and trees. The general principles of plant systematics are also covered. The field experience will include day trips to natural areas and state parks. One weekend field trip is required (a fee will be charged). Prerequisite: Biology 1144. Lecture, 2 hours; laboratory, 3 hours.
- 2723 Algae (3) SP***
A study designed for those interested in the morphology, physiology, ecology, and systematics of freshwater algae. Consideration is also given to algae and water supplies, especially those of industrial and municipal concern. Field experiences constitute an integral part of the course. Prerequisite: Biology 1144 recommended. Lecture, 2 hours; laboratory, 3 hours.
- 2813 Field Zoology (3) F***
This course is designed to acquaint the student with a variety of field techniques in the collection and identification of animals. The topics covered will also include the preparation and cataloging of specimens. Field experiences will be emphasized. Prerequisite: Biology 1144. Lecture, 2 hours; laboratory, 3 hours.
- 3001 Biology Seminar**
This course is designed for Biology and Molecular Biology majors who have completed Biology 450V or 3903. The course will provide the opportunity for students to improve their oral communication skills by presenting original research or research experience obtained in an internship. Prerequisites: Biology 450V or 3903.
- 3052 Teaching Resources Seminar (2) F, SP**
This course is designed to familiarize the student with a wide variety of sources of biological teaching materials including instrumentation and computer applications. The course also provides experience in planning, in applying the methods of science, and in conducting laboratory and field activities involving students. Special consideration is given to identifying and maintaining the highest level of safety procedures. Lecture-laboratory, 2 hours. Open to biology teaching majors only.
- 3114 Genetics (4) F, SP**
An introduction to the basic concepts and principles of heredity. An historical approach is used to cover both classical and modern genetics including molecular genetics. The laboratory work includes experiments with fruit flies, plants, fungi, and microorganisms. Prerequisite: Biology 1134 with a minimum grade of "C." Lecture, 3 hours; laboratory, 2 hours.
- 3214 Microbiology (4) F**
This course is designed to provide a foundation in bacteriology. The first half of the course deals with structure, growth, and metabolism of bacteria; the remainder of the course is spent on several aspects of applied microbiology and includes a survey of medically important bacteria. Prerequisite: Biology 2114 with a minimum grade of "C." Lecture, 3 hours; laboratory, 3 hours.
- 3223 Virology (3) SP***
This course serves to acquaint the student with fundamental aspects of viral structure and reproduction, using bacterial and animal viruses as examples. The latter part of the course includes a survey of viruses important in human disease. Prerequisite: Biology 2114 with a minimum grade of "C." Lecture, 3 hours.
- 3323 Immunology (3) SP**
This course is designed to acquaint the student with basic aspects of immunology including antigenicity, antibody structure, detection and measurement of antigen-antibody reactions, and hypersensitivity reactions. Prerequisite: Biology 2114 with a minimum grade of "C" and junior standing or permission of instructor. Recommended: Biology 3114. Lecture, 3 hours.
- 3333 Molecular Basis of Human Disease**
This course is designed to equip students to critically read and interact with the scientific literature using primary scientific journals that describe major findings in the molecular basis of human diseases. Effectively presenting disease-relevant scientific journal articles is also a focus of this course. Prerequisites: Biology 2114, 3114 with a minimum grade of "C."
- 3413 Limnology (3) SU***
This course instructs the student in the basic aspects of the physical, chemical, and biotic factors of inland (fresh) waters. Both lentic and lotic systems are studied. An extensive use is made of local lakes and streams for laboratory investigation. Lecture, 2 hours; laboratory, 3 hours.
- 3514 Human Anatomy and Physiology I (4) F**
The structure and function of the human body are examined with emphasis upon control mechanisms. The nervous, integumentary, muscular and skeletal systems are studied with lecture and laboratory experiences. There is a regional approach to the anatomy of the extremities, head and neck. Open to biology majors and minors only. Prerequisite: Biology 1134. Lecture, 3 hours; laboratory, 2 hours.
- 3524 Human Anatomy and Physiology II (4) SP**
This course is a continuation of Biology 3514. The circulatory, respiratory, digestive, excretory, endocrine and reproductive systems are studied with emphasis upon homeostasis. Acid balance, fluid balance, and immunity are also integrated into the systematic approach. Prerequisite: Biology 3514 or permission of the instructor. Lecture, 3 hours; laboratory, 2 hours.
- 3612 Nature Study (2) F, SP**
An elementary introduction to the study of the natural world. The course is laboratory and field oriented with both living and non-living materials being used to introduce the student to his/her natural surroundings. Emphasis is placed upon the student's developing the ability to identify such things as insects, birds, reptiles, trees, wild flowers, rocks, and minerals. No prerequisites. Lecture, 2 hours; laboratory, 2 hours. Does not count towards a biology major.

*Offered in alternate years

- 3712 Conservation of Natural Resources (2) F, SP**
 This course is designed to provide the student with a basic understanding of the extent of our natural resources and the problems associated with their conservation. Interrelationships between the biotic and abiotic elements of environment; population dynamics and the effects of population changes on biotic and abiotic resources; geological processes; and pollution of natural resources are studied to provide a factual basis on which action can be taken to properly use our resources and improve our environment. No prerequisites. Lecture, 2 hours. Does not count towards biology major.
- 3903 Internship in Biology (3) F, SP, SU**
 The internship provides the opportunity for hands-on experience by working for various agencies, companies, zoos, laboratories, or other groups involved in some aspect of biology. Evaluation will be based on supervisor assessment, regular progress reports, and a summary report at the end of the semester. Arrangements for the internship should be made during the semester preceding the one in which the student plans to register for the course. Prerequisites: Junior standing, completion of at least 19 hours of biology coursework, and permission of the academic chair.†
- 4044 Ecology (4) F, SP**
 An overview of the science of ecology. Three levels are examined: the individual, the population and community, and the ecosystem. Some major concepts covered include abiotic environmental limitations, energy and nutrient flow, population ecology and genetics, and community and ecosystem level interactions. Ecosystems worldwide are discussed, but North American ecosystems are emphasized. Prerequisites: Biology 1134, 1144, 3114. Lecture, 3 hours; laboratory, 3 hours.
- 4123 Molecular Biology (3) SP**
 This course focuses on current issues in molecular biology. Topics include DNA structure and replication, transcription, RNA processing, translation, regulation of gene expression and variability in DNA. The laboratory covers basic molecular techniques including electrophoresis of DNA, restriction endonuclease digestion and Southern blotting. Prerequisites: Biology 2114, 3114. Lecture, 2 hours; laboratory, 3 hours.
- 4213 Embryology (3) SP***
 A course which emphasizes developmental stages as well as the mechanisms of developmental processes. The emphasis is on mechanisms rather than organisms in the class work. The laboratory work is concerned with experimental embryology and developmental stages of selected organisms. Prerequisite: Biology 3114. Lecture, 2 hours; laboratory, 2 hours.
- 4323 Histology (3) SP**
 The study of microscopic anatomy of the human is undertaken with the emphasis upon visual materials. The primary tissues are reviewed in detail, followed by a survey of selected organs. Prerequisite: Biology 2114 with a minimum grade of "C." Lecture, 2 hours; laboratory, 2 hours.
- 4413 Vertebrate Zoology (3) F***
 A general survey of vertebrate animals, with special emphasis on comparative anatomy. Laboratory assignments include considerable dissection and often require independent lab work. Prerequisite: Biology 1144 with a minimum grade of "C." Lecture, 2 hours; laboratory, 2 hours.
- 450V Independent Research (1, 2) F, SP, SU**
 The student chooses an area of particular interest, and together with the instructor a research problem is selected. The emphasis may be either field or laboratory oriented. A paper is written and submitted at the end of the course. The course is designed to provide the student an opportunity to pursue independent research and provide experience in scientific writing. Prerequisite: Permission of instructor and academic chair.†
- 460V Special Topics in Biology (1-4) F, SP, SU**
 Selected topics from the field of biology are offered. The course may be either lecture or laboratory-oriented depending upon the topic selected. The study represents an in-depth approach to a specific area of interest to the student. Prerequisite: Permission of instructor. The following are some of the most recently offered special topics: science and culture, ethnobotany, medical entomology, parasitology, herpetology, and advanced physiology.
- 4802 Capstone Course (2) F, SP**
 In this course the theory of evolution will be investigated in a historical, religious, and scientific context. The focus of the discussion-oriented class will be on macroevolutionary theory. Arguments and evidences in various disciplines used to support the theory are presented with discussion of strengths and weaknesses. The course relies heavily on outside readings from classic and current articles, and books by both creationist and evolutionist apologists. Worldview and its influence on theory formation and acceptance, with emphasis on Christian and naturalistic worldviews, is discussed. Limitations of science and impacts which evolutionary theory has had on other disciplines are also included. Prerequisites: senior standing and a minimum grade of "C" in all major core courses.

† No student may be approved for Independent Study, Research or Internship until the Academic Chair has received the appropriate form with the general topic, hours credit and signatures of the student and directing instructor. Forms are available from the academic chair or instructor.

*Offered in alternate years

Department of Chemistry

C. Kent Clinger, *Professor and Academic Chair*

J. Ronald Boone, *Professor*

Bennett B. Hutchinson, *Professor*

Villa M. Mitchell, *Associate Professor*

Linda R. Phipps, *Associate Professor*

John D. Smith, *Assistant Professor*

William A. Tallon, *Professor*

The mission of the Department of Chemistry is to provide a general knowledge of chemistry for the student desiring a liberal arts education. Chemistry offers to the liberal arts student an appreciation and understanding of great discoveries, laws, and theories that relate to the composition of matter. It also offers an insight into and training in the type of reasoning which brought about these discoveries. For chemistry and biochemistry majors, the department introduces students to the five major divisions of chemistry (analytical, biochemistry, inorganic, organic, and physical) and prepares students to enter the chemical profession and medically related professional schools. In the Department of Chemistry we offer students an opportunity to be involved in scientific research using modern instrumentation and methods. We provide opportunities for students to analyze their research results and make presentations within the University community and to the larger scientific community, thus providing training in the logical analysis and interpretation of research results and the written and oral communication of these results.

Distinctives of the Chemistry Department

The Department of Chemistry at Lipscomb University is an approved chemistry program by the Committee on Professional Training of the American Chemical Society. The Professional Chemistry major and the Biochemistry major with an emphasis in chemistry commonly lead to certification from the American Chemical Society. The Biochemistry Major-Biological Emphasis is designed to meet the guidelines of the Education and Professional Development Committee of the American Society for Biochemistry and Molecular Biology for programs in Biochemistry and Molecular Biology. Our department provides the chemistry background necessary for all medically-related studies as well as for graduate study in chemistry and related fields. Departmental alumni have gone to graduate school at Yale University, Stanford University, the Ohio State University, Georgia Tech, the University of North Carolina, Texas A&M University, and a number have graduated from Vanderbilt University. Lipscomb biochemistry majors have attended Duke, Vanderbilt, Ohio State, Penn State, the University of Kentucky, the University of Louisville, the University of Tennessee-Memphis, the University of Alabama-Birmingham, Meharry, and East Tennessee State University medical schools. Chemistry Department alumni have become recognized leaders in their various fields, including chemistry professors, physicians, pharmacists, and industrial chemists.

The department now has virtually all the modern major instruments which would be available to undergraduates at any university in the country. Lipscomb chemistry students get "hands-on" experience with ultraviolet-visible spectrophotometers, an infra-red spectrometer, a nuclear magnetic resonance spectrometer, a gas chromatograph-mass spectrometer, two high performance liquid chromatographs, a capillary electrophoresis instrument, an inductively coupled plasma emission spectrometer, an atomic absorbance spectrophotometer, and more are being added each year.

Applied Chemistry or Applied Biochemistry Major

These majors are oriented towards pre-professional students and other students who do not plan to do graduate work in chemistry. The programs consist of a core program in chemistry along with studies in special interest areas. These degrees provide a background for students entering medically-related professions such as medicine, osteopathic medicine, podiatric medicine, dentistry, chiropractic, pharmacy, and others.

Students receiving these degrees are prepared for graduate work in chemistry-related professions.

Off-Campus Study Opportunities

Chemistry students may participate in the several study abroad options offered by Lipscomb University, including study offered through the Council for Christian Colleges and Universities. We strongly encourage our students to participate in summer undergraduate research opportunities offered at many of the major research universities in the United States. Stipends are offered through from the National Science Foundation and other sources.

Professional Organizations

Students are encouraged to be members of the Lipscomb University chapter of the Student Affiliates of the American Chemical Society.

Career Opportunities

Professional Chemistry Majors (B.A. or B.S. degree)

Attend graduate school in chemistry at the M.S. or Ph.D. level

Work in the:

Chemical industry

Government agencies

Private institutions

Biochemistry Major (B.A. or B.S. degree)

Attend graduate school in biochemistry and related subject areas

Employment in industry or with government agencies

Medical studies
Medically-related professional schools (such as medical schools, osteopathic medical schools, and dental schools)
Applied Chemistry or Applied Biochemistry Major (B.A. or B.S. degree)
Environmental sciences
Health professions administration
Chemical engineering (additional mathematics required)
Private industry or governmental agencies

Requirements for Majors

All chemistry majors must take the Major Field Achievement Test in chemistry prior to graduation. This test is a part of Chemistry 4921.

Biochemistry Major —

Emphasis in Chemistry

B.A. or B.S. degree program

Total hours required—70

Specific courses required—

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 2314, 3114, 3124, 3313, 3321, 3414, 4613, 4911, 4921

Computer Science 1041

Mathematics 1314, 2314, 2324

Physics 2414, 2424

Eight hours of Biology courses that would apply to a Biology major. These courses will be based on the individual's needs and interests.

Those seeking American Chemical Society certification must also complete CM 3613.

Emphasis in Biology

B.A. or B.S. degree program

Total hours required—71

Specific courses required—

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 2314, 3313, 3321, 3414, 3713, 4613, 4911, 4921

Computer Science 1041

Mathematics 1314, 2314

Physics 2414, 2424

Biology 1134, 2114, 3114, 4123, plus one three or four hour course that would apply to a Biology major. This course will be

based on the individual's needs and interests.

Biochemistry Major-Applied

B.A. or B.S. degree program

Total hours required—72

Specific courses required—

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 2314, 3313, 3321, 3414, 3713, 4911, 4921

Computer Science 1041

Mathematics 1113, 1123, 1314

Physics 1214, 1224

Eighteen hours selected from courses that count toward a Biology major. The following courses are highly recommended:

Biology 1134, 2114, 3114, 3214, 3514, 3524, 4123, 4213.

Chemistry 4613 may be taken as an elective.

Chemistry Major-Applied

B.A. or B.S. degree program

Total hours required—62-70

Specific courses required—

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 2314, 3414, 3613, 3713, 4911, 4921

Computer Science 1041

Mathematics 1113, 1123, 1314

Physics 1214, 1224

In addition, the student must select an emphasis in one of the subjects below.

These subjects constitute the student's minor.

Emphasis in Business: Accounting 2503, 2513; Economics 2503, 2513; and six hours selected from Finance 3503, Management 3503, Marketing 3503

Emphasis in Computer Science: Computer Science 1514, 2113, 3113; Information Technology 1013; and six additional hours chosen from Information Technology offerings with the approval of the academic chair

Emphasis in Mathematics: Mathematics 2314 and two courses selected from Mathematics 2103, 2324, 3123, 3133, 3213

Emphasis in other academic areas: The Chemistry Department will consider proposals from students who wish to emphasize areas other than those listed above. This will be done in consultation with the academic chair. The area selected must be one which will compliment the student's academic progress and professional goals.

This program is designed for students who do not plan to do graduate work in chemistry.

Chemistry Major-Professional

B.A. or B.S. degree program

Total hours required—65

Specific courses required—

Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 2314, 3114, 3124, 3414, 3613, 4221, 4911, 4921 and any two of 4213, 4313, 4413, 4513

Computer Science 1041

Mathematics 1314, 2314, 2324
Physics 2414, 2424

German is highly recommended as the foreign language for the B.A. option.
Those seeking American Chemical Society CPT certification must also complete Chemistry 3313.

Chemistry Teaching Major (General Science—Chemistry)

B.A. or B.S. degree program

- I. General Education Required of Secondary and K-12 Teacher Education Students* (see page 160)
- II. Professional Education (see page 160)
- III. Subject Matter Specialization
 - Biology 1003, 3712, and 2213 or 2424
 - Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 2314, 3051, 3414, 3613, 3713, 4911, 4921
 - Computer Science 1041
 - Mathematics 1113, 1123
 - Physics 1214, 1224

*Omit Chemistry 1013, Mathematics 1043, and Physics 1013. Biology 1003 is included in specialized subject matter.

Students seeking a teaching endorsement in Chemistry may do so by taking Chemistry 1113, 1123, 1211, 1221, 2113, 2123, 2211, 2221, 3051 and any one of 2314, 3613 or 3713.

Chemistry Teaching majors have a built-in minor in education and are not required to take another minor.

Requirements for Minor

Chemistry Minor

Total hours required—18

Specific courses required—None

Eighteen hours of chemistry courses numbered 1113 and above

(Students seeking teaching endorsement in chemistry should consult the chair of the Department of Chemistry.)

Integrated Sciences Courses (General Education)

SCI 1003, SCI 1013 The Power of Science I and II: Scientific advances touch our lives daily. Today's science culture is interdisciplinary, collaborative and evidence-based. These two courses provide students (non-science majors) with a [general education science option](#) that integrates several science disciplines (i.e., biology, chemistry, physics, nutrition, and environmental science) through an experiential approach to learning via field and laboratory investigations. Past field trips have included a water quality analysis of the Harpeth River and a sampling of local bacteria for antibiotic resistance. Case studies are also used to focus students on learning through their cooperative efforts and assist them in developing analytical and decision-making skills as well as an understanding of the process of science and its limitations. Those who successfully complete this course sequence should be better-informed and better-prepared to make decisions regarding scientific and technological issues facing our society. Lecture, 2 hours; Lab 2 hours. SCI 1003 *may satisfy* the SALT Tier II requirement.

CHEMISTRY (CM)

1013 Introduction to Chemistry (3) F, SP, SU

An introduction to chemistry, intended for non-science majors, which emphasizes the structure of matter and its chemical consequences. Some topics included are chemical change, toxic substances in the environment, consumer chemistry, applications of organic and basic structures in biochemistry. Lecture, 2 hours; laboratory, 2 hours.

1023 Introduction to Chemistry—Organic (3) SP

A survey of the types of organic compounds and their reactions—designed to meet the needs of Home Economics majors. Special emphasis is given to consumer chemistry, including such topics as food and textile chemistry. Prerequisite: Chemistry 1013. Lecture, 2 hours; laboratory, 2 hours.

1024 Chemistry for Health Sciences (4) SP

An introduction to chemistry that covers the general structure of matter and types of bonding. Special emphasis is given to the different classes of organic compounds and their reactions. This course is designed to meet the needs of nursing majors. Special emphasis is given to application of organic chemistry to medically related topics. Lecture, 3 hours; laboratory, 2 hours.

1034 Introduction to Chemistry—Biochemistry (4) F

An elementary level course dealing with the fundamental concepts of biochemistry. Special attention is given to chemical composition of the three major classes of foodstuffs—carbohydrates, lipids, and proteins, and the interrelationships of the various metabolic pathways. Prerequisite: Chemistry 1023 or Chemistry 1024. Lecture, 3 hours; laboratory, 2 hours.

1113, 1123 General Chemistry Lectures I, II (3, 3) 1113-F, SP, SU; 1123-F, SP, SU

This sequence of courses is designed to meet the needs of chemistry, biology, pre-engineering, premedical, pre-dental, and other science-oriented students. Subjects covered include symbols, formulas, equations, stoichiometry, structure of the atom, chemical bonding, descriptive inorganic chemistry, gas laws, periodic law, liquid and solid states, solutions, colloids, acids, bases and salts kinetics, equilibrium, ionic equilibrium, solubility product, thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, coordination compounds, and introduction to organic chemistry. Prerequisite: eligibility for enrollment in or credit for Mathematics 1113 or higher. Corequisite, respectively: Chemistry 1211, 1221. Lecture, 3 hours.

1144 General Chemistry for Engineering Students (4) F

This course is designed to meet the needs of engineering students who need one semester of general chemistry with laboratory. Subjects covered in the lecture and laboratory are developed based in part on the topics on the Fundamentals for Engineering Exam. These subjects include atomic structure, periodic table, chemical bonding, oxidation numbers, moles and molecular weight, radioactive decay, gases and ideal gas laws, colligative properties, thermochemistry, equilibrium, concentration and properties of solutions, kinetics, organic chemistry, electrochemistry and fuel cells, modern materials including polymers, and different types of reactions. Applications of these topics are emphasized in the laboratory. Prerequisite: eligibility for enrollment in or credit for Mathematics 1113. This course is not equivalent to Chemistry 1113 or Chemistry 1123 and will not substitute for either. Lecture, 3 hours; laboratory, 3 hours.

1211, 1221 General Chemistry Laboratories I, II (1, 1) 1211-F, SP, SU; 1221-F, SP, SU

These two courses are designed to complement General Chemistry Lectures, Chemistry 1113 and Chemistry 1123 respectively. Each laboratory must be taken with its corresponding lecture course. The laboratory experiments serve to introduce students to such topics as density, specific heat, chemical composition, chemical change, spectrophotometric analysis, single replacement reactions, molecular weight determination, gas laws, solubility of salts, calorimetry, titrations, pH indicators, reaction rates, inorganic preparations, and inorganic qualitative analysis. Corequisites: Chemistry 1113 and 1123. Laboratory, 3 hours.

2113, 2123 Organic Chemistry Lectures I, II (3, 3) 2113-F, SU; 2123-SP, SU

Both aliphatic and aromatic compounds are studied. These courses are presented in such a way as to require an understanding of principles and an application of those principles to solve problems rather than just to memorize the isomerism, reactions, reaction mechanisms, stereochemistry, and applications of spectroscopic methods. These courses are designed to fit the needs of the chemistry major, the biology major and the premedical student. These courses complement the organic laboratory courses, Chemistry 2211 and 2221, and must be taken in sequence. Prerequisites: Chemistry 1123 and 1221. Corequisite, respectively: Chemistry 2211 and 2221. Lecture, 3 hours, each.

2211, 2221 Organic Chemistry Laboratories I, II (1, 1) 2211-F, SU; 2221-SP, SU

These laboratory courses are designed to complement the organic chemistry lecture courses 2113 and 2123. These courses introduce the student to basic laboratory skills and techniques often used by organic chemists. The laboratory work includes separation and purification techniques, synthesis of different types of classes of organic compounds, and organic qualitative analysis properties of various spectroscopic methods. Courses must be taken in sequence. Prerequisite: Chemistry 1123 and 1221. Corequisite, respectively: Chemistry 2113 and 2123. Laboratory, 4 hours, each. Chemistry 2221,

2314 Analytical Chemistry (4) SP

Theory and practice in elementary gravimetric and volumetric analyses are presented. Laboratory experiences include these areas: precipitation, acid-base, oxidation-reduction, and complex ions. Chemical equilibrium and the treatment of analytical data are emphasized. Prerequisites: Chemistry 1123 and Computer Science 1041. Lecture, 3 hours; laboratory, 4 hours.

2401 Clinical Laboratory Observation (1)

A one-hour course designed for pre-medical and all related majors to introduce them to clinical and/or clinical laboratory work. The student spends approximately 50 hours in observing or performing assigned tasks in a clinic, hospital, or clinical laboratory. Specific requirements vary depending on the field of study chosen by the student. A written report is required. Prerequisites: Chemistry 1123 and 1221; Chemistry 2123 and 2221 recommended. Offered on demand.

3051 Teaching Resources Seminar (1) F, SP

To be taken during the Professional Semester. This is a materials and methods course in the teaching of chemistry.

3114, 3124 Physical Chemistry I, II (4, 4) 3114-F; 3124-SP (odd numbered years)

This sequence of courses provides a general survey of chemical thermodynamics, thermochemistry, electrochemistry, chemical kinetics, quantum mechanics, spectroscopy, phase equilibria, and the theories of gases, liquids, crystals, and solutions. Prerequisites: Chemistry 1123, Mathematics 2324, Physics 2424 and Computer Science 1041. Lecture, 3 hours; laboratory, 4 hours.

3214 Environmental Chemistry (4) F (offered in odd-numbered years)

A study of the chemistry of the environment, including: chemical cycles, aquatic chemistry, atmospheric chemistry, soil and geochemistry, water pollution, gaseous inorganic and organic air pollutants, hazardous wastes, and environmental chemical analysis. Laboratory experience is field oriented and makes use of HPLC (high performance liquid chromatography), GC-MS (gas chromatography and mass spectrometry), and AA (atomic absorption spectrometry) to examine common environmental pollutants. Prerequisites: Chemistry 1023, 1113, and 1123. Lecture, 3 hours; laboratory, 3 hours. This course *may satisfy* the SALT Tier II requirement.

3313 Biochemistry (3) F, SU

A study of the chemical composition of living organisms. Chemical and physical properties, molecular structure, and biological functions of biomolecules are emphasized. A study of intermediary metabolism is begun. Prerequisites: Chemistry 2123 and 2221. Recommended: Chemistry 4911. Lecture, 3 hours. Offered in summer on demand.

3321 Biochemistry Lab (1) SP

The biochemistry laboratory course includes the determination of protein concentration, enzyme kinetics, SDS-polyacrylamide gel electrophoresis, isoelectric focusing, and protein isolation by high speed centrifugation and various chromatographic techniques. Additionally, the manipulation of DNA including the transformation of E.coli with a plasmid containing a foreign gene, expression of that gene, isolation of the plasmid from the bacteria, and restriction analysis of the plasmid on agarose gels.

3333 Green Chemistry

The student will understand aspects of analytical, biological, inorganic, organic, and polymer chemistry from an environmental or green perspective. The student will understand and be able to implement the Twelve Principles of Green Chemistry, as developed by Anastas and Warner, to aid one assessing the sustainability of a reaction or a process is. Prerequisites: Chemistry 2113 and Chemistry 2211 or Chemistry 3214.

3414 Instrumental Methods of Analysis (4) F

A study of the theory and application of laboratory instrumentation. Methods studied include gas and liquid chromatography; capillary electrophoresis, visible, ultraviolet, infrared, and raman spectrophotometry; atomic emission and absorption spectroscopy; nuclear magnetic resonance; and mass spectroscopy. Prerequisites: Chemistry 1123 and Chemistry 2123 or 1023. Lecture, 3 hours; laboratory, 4 hours.

3613 Inorganic Chemistry (3) SP

A study of the descriptive chemistry of the elements. Theories of element origins, atomic structure and bonding are presented. Special emphasis is given to coordination compounds, and the large volume commercial inorganic compounds. The laboratory work includes synthesis and analysis of selected inorganic compounds. IR, NMR and UV/VIS spectroscopy are used to characterize and study the properties of coordination compounds. Prerequisite: Chemistry 1123. Lecture, 2 hours; laboratory, 3 hours. Offered on demand.

3713 Introduction to Physical Chemistry (3) F (offered in even numbered years)

A study of the physical properties of matter with an emphasis on problem solving from a predominantly non-calculus basis. Topics covered include properties of gases, liquids and solids, kinetic molecular theory, chemical thermodynamics, chemical equilibrium, solutions of non-electrolytes, solutions of electrolytes, electrochemistry, bonding and spectroscopy. Prerequisites: Chemistry 1123, Physics 1224. Lecture, 3 hours.

411V Independent Study and Research (1, 2) F, SP, SU

The student works closely with his/her research director in all aspects of a chemical research problem. The student is expected to make original contributions and present a paper to the chemistry faculty based on his/her findings. Acceptance of a paper by the research director is required.

4213 Advanced Inorganic Chemistry (3) F

A detailed study of the theories of atomic structure and chemical bonding emphasizing VB and MO theory. The theoretical aspects of periodic trends, bonding and properties of coordination compounds and organometallic chemistry are presented. The mathematical basis of group theory with application to MO theory and spectroscopy is presented. Prerequisite: Chemistry 3124 and 3613. Lecture, 3 hours. Offered on demand.

4221 Advanced Integrated Laboratory (1) SP

A capstone laboratory course required of professional chemistry majors in their senior year. The lab will have an emphasis on projects involving synthesis of organic and inorganic compounds, analysis, and physical property determination of the products and computational chemistry applied to the products. Specific projects depend on the interest of instructor and students. Prerequisite: Chemistry 3124. Laboratory, 4 hours. Offered on demand.

- 4313 Advanced Analytical Chemistry (3) SP**
A study of the principles of operation of instruments and identification, quantification of unknown compounds using methods such as AA, GC, HPLC, GC/MS, IR and NMR. In-depth interpretation of NMR, IR, and mass spectra will be included. Prerequisites: Chemistry 2314, 3124, 3414. Lecture, 3 hours. Offered on demand.
- 4413 Advanced Organic Chemistry (3)**
A study of basic organic reactions and their mechanisms. Emphases may vary among such topics as bonding theory, molecular structure and properties, structural and electronic effects on reactivity, orbital symmetry rules, and method of determining reaction mechanism. Prerequisites: Chemistry 2123, 2221, and 3124. Lecture, 3 hours. Offered on demand.
- 4513 Advanced Physical Chemistry, Selected Topics (3)**
Selected topics based on current student and faculty interest are established prior to course offering. Suggested topics are thermodynamics, quantum mechanics, spectroscopy, statistical thermodynamics, and chemical applications of group theory and graph theory. Prerequisite: Chemistry 3124. Lecture, 3 hours. Offered on demand.
- 4613 Advanced Biochemistry (3) SP**
A study of the chemical composition of living organisms. The study of intermediary metabolism is continued. Informational biomolecules are emphasized. Prerequisites: Chemistry 3313. Corequisite: Chemistry 3321. Lecture, 3 hours.
- 4911 Chemical Literature (1) F**
An introduction to selected chemical literature with an emphasis on methods for retrieving desired information about physical properties or synthetic procedures for specific compounds as well as information on broad concepts or classes or compounds. The use of electronic information retrieval systems such as Medline and Dialog and STN is emphasized. Prerequisite: Chemistry 2123. Lecture, 1 hour.
- 4921 Chemical Seminar (1) SP**
A review of the major topics in the undergraduate chemistry curriculum featuring formal class presentations by departmental faculty and culminating in the Major Field Exam followed by an independent library research project on a topic of the student's choice. A paper and oral presentation, featuring presentation software, will be made by each student to the class. Prerequisite: Chemistry 4911 and senior standing in Chemistry. Lecture, 1 hour.



Taking a break from classes in a residence hall lobby.



Dr. Carroll Wells, center, Professor of Mathematics and Chair of the Department of Mathematics

Department of Mathematics

Carroll G. Wells, *Professor and Academic Chair*

John J. Beauchamp, *Professor*

Doy O. Hollman, *Professor*

Randy E. Bouldin, *Associate Professor*

Mark A. Miller, *Professor*

Gary C. Hall, *Professor*

Amy W. Nelson, *Associate Professor*

The mission of the Department of Mathematics is to teach courses with the intent of increasing literacy and competency in mathematics and providing the academic foundation for those who desire to be professional mathematicians, mathematics educators, or to work in areas that require a strong mathematical background. There is a constant and growing demand for training in the mathematical sciences in our modern technological society. Students may select from a wide range of course offerings including courses designed for general education, for preprofessional studies (engineering, medicine, law, and so forth), and for major programs. Both the B.A. and B.S. degrees are offered with either the regular major or the teaching major in mathematics.

Distinctives of the Math Department

The Department of Mathematics has seven full-time faculty members all holding the Ph.D. degree in mathematics or statistics. While not unusual at Lipscomb, it is rare nationwide for a Department of Mathematics to have all of its faculty members holding the doctoral degree.

The Department offers majors in mathematics, applied mathematics, and mathematics education with countless opportunities in each major. Students graduating with the mathematics major are prepared to enter graduate studies in mathematics or to become a practicing mathematician. Recent graduates are now actuaries, statisticians, or Ph.D. candidates at major graduate institutions such as Vanderbilt University and the University of Tennessee. Graduates with the mathematics education major are highly sought after to be high school mathematics teachers. The applied mathematics major is used in conjunction with other science or engineering majors.

The Department currently has a three-year Math/Science Partnership Grant from the Tennessee State Department of Education to provide summer professional development institutes for area middle grade and high school mathematics teachers. These institutes focus on innovative use of hands-on activities and technology in the teaching of mathematics.

During the past five years, several of the mathematics department faculty have received some of the most prestigious awards given by Lipscomb University including: the Laine Travel Award, the Baker Award and several awards for outstanding teaching and advising. One faculty member is vice president for Colleges and Universities for the Tennessee Mathematics Teachers' Association and another has been on the Board of Directors for the Southeastern Section of the Mathematical Association of American.

Students also have the opportunity for employment as a tutor in the mathematics lab, participation in summer internships at local actuary firms, involvement in the Mathematics Club, directed research opportunities with faculty, and private tutoring opportunities.

Career Opportunities

Graduate study or work in government and industry

Operations research

Statistics

Computer science

Quality control

Actuarial work

Teaching at the secondary school level

Requirements for Majors

Mathematics Major—Regular

B.A. or B.S. degree program

Total hours required—39

Specific courses required—

Computer Science 1041

Mathematics 1314, 2103, 2314, 2324, 2903, 3123, 3133, 3213, 4113, 4213, 4992; and either 4303, 4903, or Engineering 3303

Enrollment and a passing grade in Mathematics 2000 are required for two semesters.

Mathematics Major—Applied

B.A. or B.S. degree program

Total Hours required—38

Specific courses required—

Mathematics 1314, 2314, 2324, 2103, 3123, 3133, 3213, 4303, 4992

Engineering 3303

Six hours of 3000-4000 level physics, engineering, computer science, chemistry, or approved science classes

Mathematics Teaching Major

B.A. or B.S. degree program

- I. General Education Required of Secondary and K-12 Teacher Education Students (see page 160)
- II. Professional Education (see page 160)
- III. Subject Matter Specialization
 - Computer Science 1041
 - Mathematics 1314, 2103, 2314, 2324, 2903, 3012, 3123, 3213, 4023, 4113, 4153, 4992
 - Enrollment and a passing grade in Mathematics 2000 are required for four semesters.

Mathematics Teaching majors have a built-in minor and are not required to take another minor.

Requirements for Minors

Applied Mathematics Minor

Total hours required—18

Specific courses required—

Mathematics 1314, 2314, 2324, 3133

One course selected from:

Engineering 3303 or Mathematics 3123

Pure Mathematics Minor

Total hours required—17

Specific courses required—

Mathematics 1314, 2103, 2314

Two courses selected from:

Mathematics 2324, 2903, 3123, 3133, 3213, 4113, 4153, 4213, 4903

MATHEMATICS (MA)

Note: Prerequisites for mathematics courses below are not suggestions. They are requirements for entrance into a course.

1020 Introductory Algebra (3 non-credit hours) F

A review of high school algebra that includes a review of real numbers, equations, inequalities, problem solving, graphing, polynomials, factoring, and systems of equations. Students who score below 15 on the ACT or 360 on the SAT in math will be required to take this course. This is a developmental non-credit course. (See pages 32 and 46 of this catalog concerning Developmental Non-Credit Courses.)

1030 Intermediate Algebra (3 non-credit hours) F, SP, SU

A review of high school algebra that includes factoring, inequalities and problem solving, rational expressions, functions, exponents and radicals, and quadratic equations and functions. This is a developmental non-credit course. (See pages 32 and 46 concerning Developmental Non-Credit Courses.) Prerequisite: At least a 15 ACT (or 360 SAT) math score or Mathematics 1020 with a minimum grade of "C."

1043 Survey of the Fundamentals of Mathematics (3) F, SP, SU

Mathematics 1043 cannot be used as a prerequisite or as a substitute for college algebra. Topics covered are problem solving, logic, numeration systems, calculators, basic concepts of number theory and algebra, sequences, series and finance mathematics. Required of most students who plan to teach. (See Education section of this catalog.) Prerequisite: At least a 19 ACT (or 460 SAT) math score or Mathematics 1030 with a minimum grade of "C."

1053 Survey of Algebra and Statistics (3) F, SP, SU

Topics from algebra include functions, graphs, systems of equations and inequalities, matrices, and linear programming. Topics from statistics include probability, sampling techniques, tables and graphs used to represent data, descriptive statistics, and probability distributions including the normal distribution. Required of all K-8 education students. This course does not satisfy specific program requirements of College Algebra (Mathematics 1113) or Elementary Statistics (Mathematics 2183). (It is recommended that students with a grade of "C" or higher in Mathematics 1113 complete Mathematics 2183 to fulfill state knowledge and skills requirements in these two concept areas.) Prerequisite: At least a 19 ACT (or 460 SAT) math score or Mathematics 1030 with a minimum grade of "C."

1113 College Algebra (3) F, SP, SU

Quick review of equations and inequalities; functions and graphs; polynomial and rational functions; exponential and logarithmic functions; systems of equations and inequalities; sequences, series, and probability. Prerequisites: two years of high school algebra and at least a 21 ACT (or 500 SAT) math score, or Mathematics 1030 with a minimum grade of "C."

1123 Trigonometry and Analytic Geometry (3) F, SP, SU

The trigonometric and circular functions; trigonometric analysis; analytical geometry of the plane and three space including the conic sections, rotation of axes, polar coordinates, polar equations of conics, plane curves and parametric equations. Prerequisites: two years of high school algebra and at least a 26 ACT (or 590 SAT) math score, or Mathematics 1113 with a minimum grade of "C."

1135 College Pre-calculus (5) F

Functions and graphs; exponential and logarithmic functions; systems of equations and inequalities; sequences, series, and probability; trigonometric and circular functions, trigonometric analysis. Prerequisites: two years of high school algebra and at least 24 ACT (or 550 SAT) math score).

1314 Calculus I (4) F, SP, SU

Functions and limits, differentiation of polynomial functions, applications of the derivative, antidifferentiation, the definite integral, transcendental functions, numerical methods. Prerequisite: Mathematics 1123 with a minimum grade of "C," or Mathematics 1135 with a minimum grade of "C"; or a semester of high school trigonometry and at least a 26 ACT (or 590 SAT) math score.

2000 Math Lab Tutoring (0) F, SP

Tutoring in the university's math lab two hours per week. Payment will be provided, but number of tutors allowed each semester will be limited. Required of all Teaching Math majors for a minimum of four semesters. Required of all Regular Math Majors for a minimum of two semesters. Prerequisite: Mathematics 2103.

2053 Survey of Calculus (3) F

This course includes topics from integral and differential calculus which involve polynomials, exponential and logarithmic functions. No trigonometric functions are used. The course does not count toward a math major or minor nor toward the add-on secondary teaching endorsements in mathematics. The course will not serve as a prerequisite for Mathematics 2314. Prerequisite: Mathematics 1113 with a grade of "C" or better or at least a 23 ACT (or 550 SAT) math score.

2103 Discrete Mathematics (3) F, SP

Introduction to the mathematics of computer science, including functions, relations, trees, counting, and computability. Prerequisite: Mathematics 1113 with a minimum grade of "C," or at least a 23 ACT (or 550 SAT) math score.

2183 Elementary Statistics (3) F, SP, SU

Data collection and presentation; measures of central tendency and variability; discrete and continuous probability distributions; con-

- confidence intervals; hypothesis testing; analysis of variance; regression. Prerequisite: Mathematics 1113 with a minimum grade of “C,” or at least a 23 ACT (or 505 SAT) math score. Computer Science 1041 strongly recommended.
- 2314 Calculus II (4) F, SP, SU**
Applications of integration, techniques of integration, indeterminate forms, improper integrals, numerical methods, conics, polar coordinates, infinite series, and parametric equations. Prerequisite: Mathematics 1314 with a minimum grade of “C,” or at least a 3 on the AP exam.
- 2324 Calculus III (4) F, SP, SU**
Plane and space vectors, multivariable differentiation and integration, directional derivatives, gradients, extremes, and vector calculus (including line integrals, Green’s theorem, surface integrals, Gauss’ theorem, and Stokes’ theorem). Prerequisite: Mathematics 2314 with a minimum grade of “C,” or a 5 on the Advanced Placement Calculus BC exam.
- 2903 Logic, Proof, and Mathematical Modeling (3) SP**
Introduction to higher mathematical thinking, including the study of sets, basic logic, proof techniques, and mathematical modeling. Prerequisite: Mathematics 1314 with a minimum grade of “C.” Failure to complete Mathematics 2903 by the end of the sophomore year will result in delay in graduation.
- 3012 Methods of Teaching Secondary Mathematics (2) SP**
Experiences in methods of teaching mathematics in the secondary school, exposure to current trends and issues in mathematics education, and philosophy of mathematics education. To be taken during the semester preceding Professional Semester. Prerequisites: Education 2312, 3332, 3623.
- 3053 Survey of Geometry (3) F, SP, SU**
Both formal and informal methods are used to examine the basic concepts of Euclidean geometry (angles, triangles, circles, parallel lines, polygons, and right-triangle trigonometry). The course is required of all students seeking K-8 certification. It does not satisfy mathematics major or minor requirements or secondary certification requirements. Prerequisites: Mathematics 1043 with a minimum grade of “C” and either Mathematics 1053 or 1113 with a minimum grade of “C.”
- 3123 Mathematical Theory of Statistics (3) F (even-numbered years)**
Probability theory, binomial, hypergeometric, Poisson, normal, gamma, t, F, chi square, and bivariate normal distributions, estimation and hypothesis testing theory with applications to means, proportions, variances, and correlation; computer applications using the Minitab statistical program. Two lecture hours plus two lab/recitation hours per week. Prerequisite: Mathematics 2314 with a minimum grade of “C.”
- 3133 Differential Equations (3) SP**
The solution of differential equations of first order and first degree (with applications); linear differential equations of higher order (with applications); Laplace transform methods; solutions by series. Prerequisite: Mathematics 2314 with a minimum grade of “C.”
- 3213 Linear Algebra (3) F (odd-numbered years)**
Vector spaces; matrices; linear transformations; determinants; systems of equations; inner products; eigenvalues and eigenvectors; Markov chains; applications to differential equations. Prerequisite: Mathematics 2103 or 2903 with a minimum grade of “C.”
- 4023 History of Mathematics (3) SP (even-numbered years)**
Survey of the historical developments and achievements in mathematics from ancient civilizations to the modern era with emphasis on its integral role in the development of civilization. Required of all mathematics teaching majors and elective for all other majors. Writing assignments required. Prerequisite: Mathematics 2314 or consent of instructor.
- 4113 Abstract Algebra (3) SP (even-numbered years)**
The integers; groups; rings; integral domains; fields; polynomials. Prerequisite: Mathematics 3213 with a minimum grade of “C.”
- 4153 Introduction to Higher Geometry (3) SP (odd-numbered years)**
Finite geometries; transformations; convexity; polygons and circles; constructions; inversion; projective and metric properties; duality; non-Euclidean geometries. Prerequisite: Mathematics 2903 with a minimum grade of “C.”
- 4213 Advanced Calculus (3) F (even-numbered years)**
The real numbers; calculus of functions of one variable; sequences and series of functions. Prerequisites: Mathematics 2324, 2903 with minimum grade of “C.”
- 4303 Numerical Analysis (3) SP (odd-numbered years)**
Topics include: numerical differentiation and integration, initial-value problems for ordinary differential equations, direct methods for solving linear systems, iterative techniques in matrix algebra, and approximation of eigenvalues. Computer solution of problems will be required. Prerequisites: Mathematics 2324, 3133 with minimum grade of “C.”
- 480V Independent Study (1, 2, or 3)**
May be taken only with the approval of the mathematics faculty. Offered only to math majors who want to study a math course not in the catalog. Requires junior standing.
- 4903 Special Topics in Mathematics (3) SP (odd-numbered years)**
Selected topics from the field of mathematics are offered. The course may be either lecture or proof-oriented depending upon the topic selected. The study represents an in-depth approach to a specific area of mathematics. This course may be repeated for credit. Prerequisite: Mathematics 2903 with minimum grade of “C.”
- 4992 Senior Seminar (2) SP**
A review of undergraduate mathematics including practice in problem-solving.



Students conduct an experiment in the physics lab.

Department of Physics

L. Alan Bradshaw, *Associate Professor and Academic Chair*
C. Randall Bybee, *Associate Professor*

The influence of science and technology touches almost everyone every day in every part of the world. The Department of Physics is dedicated to providing a variety of engineering and physics curricula for students who are interested in pursuing scientific and technical professions.

The specific curricula available in the Department of Physics are the major programs in Biomedical Physics, Physics and Physics Teaching, and the minor programs in Engineering Science and Physics.

Distinctives of the Physics Department

Research opportunities abound for undergraduates from many different academic areas working with faculty in the department of physics. Department faculty have expertise in condensed matter physics, nuclear and particle physics, and biomedical physics. Recent graduates of the department have gone on to such prestigious graduate programs as Harvard, Columbia and Vanderbilt as well as to lucrative employment opportunities.

L. Alan Bradshaw, department chair, was awarded the Nightingale Prize for the Best Paper published in Medical & Biological Engineering & Computing in 2005. Professor Bradshaw maintains an active research program at Vanderbilt University investigating gastrointestinal biomagnetic fields that has also involved numerous Lipscomb undergraduates.

The Department of Physics utilizes four dedicated laboratories for instruction in the McFarland Hall of Science, as well as a machine shop, electronics shop, and x-ray laboratory. In addition, the department shares access to the computer classrooms in McFarland, which provide several stations for special applications.

Requirements for Majors

Biomedical Physics Major

B.S. degree program

Total hours required—87

Specific courses required—

Biology 1134, 2114, 3514, 3524
Chemistry 1113, 1211, 1123, 1221, 2113, 2123, 2211, 2221, 3313, 3321
Computer Science 1041
Electrical and Computer Engineering 2013
Engineering 3303
Mathematics 1314, 2314, 2324, 3133
Physics 2414, 2424, 2434, 3303, 3403 3703, 395V, 4111, 4313, 4991

The requirements for an Applied Mathematics minor and a Chemistry minor are automatically satisfied.

Physics Major

B.A. or B.S. degree program

Total hours required—68

Specific courses required—

Chemistry 1113, 1123, 1211, 1221
Computer Science 1513
Electrical and Computer Engineering 2013, 3233
Engineering 3303
Mathematics 1314, 2314, 2324, 3133
Physics 2414, 2424, 2434, 3303, 3403, 3603, 3703, 4111, 4121, 4313, 4323, 4991

The minor requirement in Applied Mathematics is automatically satisfied.

Mathematics 1314, Calculus I, MUST be taken during the fall semester of the freshman year in order to enroll in Physics 2414 in the spring semester. Otherwise, completion of the program may require more than eight semesters. Students who are not eligible to begin the calculus sequence should consider enrolling in Mathematics 1123 in the summer session.

Physics Teaching Major (General Science—Physics)

B.A. or B.S. degree program

- I. General Education Required of Secondary and K-12 Teacher Education Students* (see page 160)
- II. Professional Education (see page 160)
 - A. Core Professional Education
 - B. Specialized Professional Education
Physics 3051
- III. Subject Matter Specialization
 - Biology 1003**, 3712
 - Chemistry 1113, 1123, 1211, 1221
 - Electrical and Computer Engineering 2013
 - Mathematics 1113 (or proficiency), 1123 (or proficiency), 1314 (required), 2314 (required)
 - Physics 2414, 2424, 2434, 4111 and six hours selected from Electrical and Computer Engineering 3233, Physics 3303, 3403, 3603, 3703

*Note: Omit Chemistry 1013 and Physics 1013. Biology 1003 is included in specialization subject matter.

**Biology 1134 or 1144 may be substituted for Biology 1003.

Pre-engineering/Dual Degree Program

B.S. degree program only (this major is designed to prepare students to enter upper-division engineering programs at an accredited school of engineering; for specific curricula, see academic chair).

Lipscomb hours required for major — 64

Specific courses required —

Chemistry 1113, 1123, 1211, 1221

Computer Science 1041, 1513

Economics 2503

Engineering 1114, 1123

Engineering Mechanics 2113

Mathematics 1314, 2314, 2324, 3133

Physics 2414, 2424, 2434

Twelve additional hours of technical electives, appropriate to the anticipated field of engineering, selected from:

Chemistry 2113, 2123, 2211, 2221, 3114, 3124

Computer Science 3513, 4213

Electrical and Computer Engineering all courses

Engineering 3303

Mathematics 3123

Mechanical Engineering all courses

Physics 3303, 3403, 3703

Additional requirements

At least 90 semester hours must be completed at Lipscomb

Satisfactory progress toward a baccalaureate degree in engineering, accredited by ABET/EAC, with at least 30 hours completed toward that degree at the engineering school.

The combined total of recorded earned credit at Lipscomb and the engineering school must be at least 132 semester hours.

Requirements for Minor

Physics Minor

Total hours required—18

Specific courses required—None

Eighteen hours chosen from departmental offerings in Physics with approval of the academic chair including at least 6 hours in Physics courses numbered above 3000

major component of this course is the design and implementation of MatLAB programs. Prerequisites: Mathematics 1114 with a minimum of “C” (or equivalent), and satisfaction of Information Technology Proficiency requirement. Lecture, 3 hours.

Integrated Sciences Courses (General Education)

SCI 1003, SCI 1013 The Power of Science I and II: Scientific advances touch our lives daily. Today’s science culture is interdisciplinary, collaborative and evidence-based. These two courses provide students (non-science majors) with a [general education science option](#) that integrates several science disciplines (i.e., biology, chemistry, physics, nutrition, and environmental science) through an experiential approach to learning via field and laboratory investigations. Past field trips have included a water quality analysis of the Harpeth River and a sampling of local bacteria for antibiotic resistance. Case studies are also used to focus students on learning through their cooperative efforts and assist them in developing analytical and decision-making skills as well as an understanding of the process of science and its limitations. Those who successfully complete this course sequence should be better-informed and better-prepared to make decisions regarding scientific and technological issues facing our society. Prerequisite: At least 19 ACT or 460 SAT mathematics score or Mathematics 1020 with minimum grade of “C.” Lecture, 2 hours; Lab 2 hours. SCI 1003 *may satisfy* the SALT Tier II requirement.

PHYSICS (PH)

1003 Fundamentals of Astronomy (3) F, SP

Descriptive astronomy. The solar system, stars, galaxies. Prerequisite: At least 19 ACT or 460 SAT mathematics score or Mathematics 1020 with minimum grade of “C.” Lecture, 2 hours; laboratory, 3 hours.

1013 Fundamentals of Physics (3) F, SP, SU

Mechanics, heat, electricity, atomic and nuclear physics. Prerequisite: At least 19 ACT or 460 SAT mathematics score or Mathematics 1020 with minimum grade of “C.” Lecture, 2 hours; laboratory, 3 hours.

111V Special Topics in Physics (1-3)

This course will concentrate on one or more topics from the field of physics. The topics will depend upon current interests of students and staff. While the presentation will be at an elementary level, an attempt will be made to cover the topic in depth and to establish connections to other branches of science and human affairs. Offered on demand.

1214, 1224 Elementary College Physics I, II (4, 4) 1214-F; 1224-SP, SU

A non-calculus based introduction to physics, mechanics, fluids, heat and thermodynamics, electricity and magnetism, wave motion, sound, light, and atomic and nuclear physics. Courses must be taken in sequence. Prerequisite: Mathematics 1123. Lecture, 3 hours; laboratory, 3 hours.

2414 General Physics I (4) SP

A calculus based introduction to general physics and its applications. Mechanics, heat, and sound. Prerequisite: Mathematics 1314 with a minimum grade of “C.” Lecture, 3 hours; laboratory, 3 hours.

2424 General Physics II (4) F

A calculus based introduction to physics and its applications. Electricity and magnetism, optics, modern physics. Prerequisites: Mathematics 2314 and Physics 2414 with a minimum grade of “C.” Lecture, 3 hours; laboratory, 3 hours.

2434 Structure of Matter (4) SP

Topics related to the modern physical theory of matter: experiment and theory related to quantum phenomena, relativity, and atomic and nuclear structure. Emphasis on condensed matter and material science appropriate for engineering curricula. Prerequisite: Physics 2424. Lecture, 3 hours; laboratory, 3 hours.

3051 Teaching Resource Seminar (1)

Designed to acquaint education majors with techniques, demonstration equipment, and audio-visual aids for use in teaching physics. To be taken during Professional Semester. Offered on demand.

3303 Mechanics (3) F

An introduction to classical mechanics with the use of vector calculus. Particle kinematics and dynamics, free and forced harmonic motion, conservative and central forces, angular momentum, introduction to the Lagrange and Hamilton formulations. Prerequisite: Physics 2424. Corequisite: Mathematics 3133. Lecture, 3 hours.

- 3403 Electromagnetic Fields (3) SP**
A study of electromagnetic fields beginning with Maxwell's equations. Interactions with conductors and dielectric media; waveguides, antennas. Prerequisite: Physics 2424. Lecture, 3 hours. Same as Electrical and Computer Engineering 3403.
- 3603 Optics (3) F**
Geometrical and physical optics. Image formation, thick lenses, lens aberrations. Electromagnetic wave theory, interference, diffraction, dispersion. Interaction of light with matter. Prerequisite: Physics 2424. Lecture, 3 hours. Offered on demand.
- 3703 Thermodynamics (3) F**
Concepts, models and laws; energy and the first law; properties and state; energy analysis of thermodynamics systems; entropy and the second law; conventional power and refrigeration cycles. Prerequisites: Chemistry 1113, 1211, Mathematics 2324, Physics 2414. Lecture, 3 hours. Same as Mechanical Engineering 3703.
- 395V Special Topics (1, 2, 3, or 4)**
Topics from physics and related fields (biophysics, cosmology, etc.) in either lecture- or laboratory oriented format, depending on the specific topic selected. Course may be repeated for credit. Prerequisite: consent of instructor. Offered on demand.
- 4111, 4121 Advanced Lab I, II (1, 1) F, SP**
Significant experiments chosen from electricity and magnetism, optics, atomic and nuclear physics. Attention is given to laboratory techniques and data analysis. Prerequisite: 6 hours of upper division physics. Laboratory, 3 hours.
- 4313 Quantum Theory (3) F**
Introduction to quantum physics of particles at the atomic and nuclear level. The Schroedinger equation, the uncertainty principle, angular momentum and spin. Prerequisite: Physics 2434, Mathematics 2324. Lecture, 3 hours.
- 4323 Atomic and Nuclear Structure (3) SP**
Quantum theory applied to molecules, the hydrogen atom, many-electron atoms, and nuclei. Nuclear models and structure, nuclear decay, nuclear reactions, and the Standard Model of electromagnetic and nuclear interactions. Prerequisite: Physics 4313. Lecture, 3 hours.
- 491V Independent Study (1, 2, 3)**
Independent study or research by the student on a problem of special interest. Prerequisite: Consent of instructor. Offered on demand.
- 4991 Senior Seminar (1) SP**
Required of all senior majors in the department. Overview of major field. Special project or research paper. Two hours each week.



Dr. Alan Bradshaw, Associate Professor of Physics, demonstrates a physics principle for students.

The Doris Swang Chapel in the Ezell Center is a quiet place for contemplation.

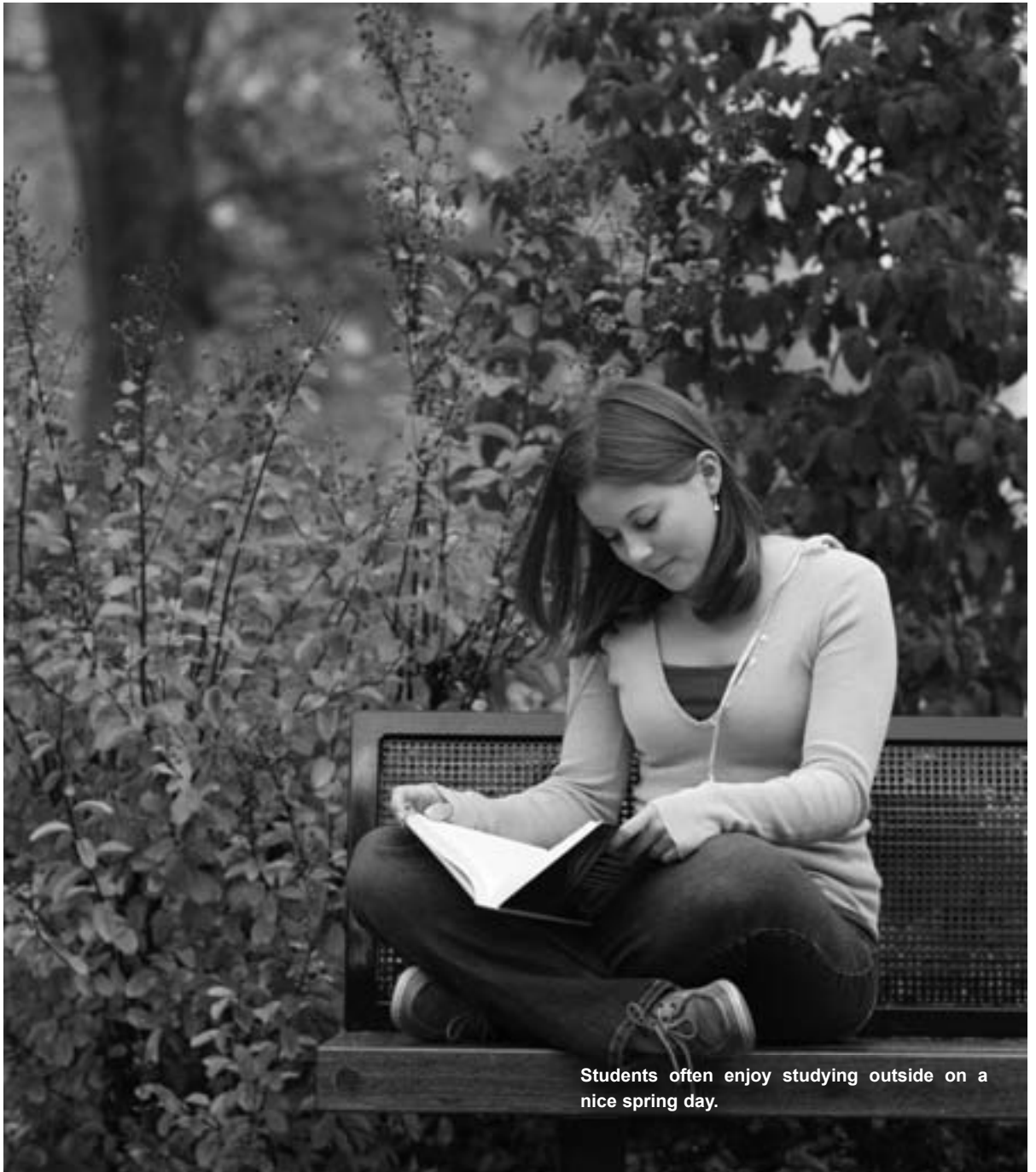


College of Bible and Ministry

Terry Briley, *Dean*

In keeping with the intent of the university's founders, the College of Bible and Ministry serves the entire campus community by teaching the Bible to each student. Faith-based learning is common to all of our academic programs; Christian education at Lipscomb also includes a direct exposure to the message of Scripture and its call to the fullness of life available to a disciple of Jesus Christ.

Those who desire to be further equipped for a life of ministry may major in Bible and add one or more areas of concentration as detailed in this section. Students who pursue this path will receive more extensive training in interpreting Scripture, thinking theologically, and nurturing the faith of others as well as their own.



Students often enjoy studying outside on a nice spring day.



President Lowry converses with students between classes.

Department of Bible

Terry Briley, *Professor and Dean*

George E. Goldman II, *Associate Professor and Academic Chair*

Mark C. Black, *Professor*

Lee Camp, *Professor*

Phillip Camp, *Associate Professor*

Theodore R. Carruth, *Professor*

Ken Durham, *Batsell Barrett Chair of Preaching*

David Fleer, *Professor*

Jackie Halstead, *Associate Professor*

John Mark Hicks, *Professor*

Steve Joiner, *Professor*

Earl D. Lavender, *Professor*

Rhonda Lowry, *Assistant Professor*

Tom Seals, *Assistant Professor*

Steve S. Sherman, *Missionary in Residence*

Walter Surdacki, *Assistant Professor*

Michael Williams, *Associate Professor*

John O. York, *Professor*

The Bible program at Lipscomb plays a vital role in the school's Christian identity and mission. Some students at Lipscomb are preparing themselves for ministry in areas such as preaching or youth ministry. In keeping with the intention of the school's founders, however, all students study the Bible as an integral part of their curriculum. The hope is that each graduate of Lipscomb University will go into the world to pursue a vocation, not simply a career. "Vocation" in this context implies a sense of Christian mission that can find expression in any legitimate pursuit, such as nursing or business or education.

The first three Bible courses a student takes at Lipscomb cover the entire Bible. The purpose of these courses is not only to provide a basic foundation of biblical knowledge, but also to encourage students to see the big picture of God's mission in the world and to see themselves as part of that mission. The fourth course helps students face the challenges of living out that mission in today's world. Beyond this point, students may choose among a variety of textual and topical courses, including courses that are integrated into their chosen discipline.

The Bible program works in conjunction with other dimensions of the Lipscomb experience to encourage the spiritual formation of our students. The study of the Bible must not be seen as an end in itself, but as the basis of living out one's faith. Lipscomb provides a wide variety of opportunities for students to express their faith in worship and service. The goal is for all Lipscomb graduates to develop a biblical perspective and to nurture habits that they will take with them for the rest of their lives.

Distinctives of the Bible Department

Ministry today assumes a variety of forms. In addition to more traditional paths such as youth ministry, preaching, or foreign missions, many desire to pursue domestic church planting, urban ministry, or life in an intentional community. The core Theology and Ministry major at Lipscomb provides a foundation of knowledge, tools, and skills that are critical for any type of ministry. The courses in the major focus on the following areas:

- 1) Scripture – Students learn not only the content of the Bible, but also how to interpret, communicate, and live out its message.
- 2) Spiritual formation – Through the resources of Lipscomb's newly established Institute for Christian Spirituality, students learn the habits and practices that deepen and sustain their relationship with God through the demands of ministry. They also learn how these habits and practices can help those to whom they minister experience God's transformative power.
- 3) Missional perspective – God's people are called not only to enjoy God's blessings, but also to participate with God as his agents of extending those blessings to others. The focus on this perspective begins with a student's first Bible course at Lipscomb, calling attention to God's mission in his creation and humanity's privilege to play a vital role in that mission.
- 4) Contextual ministry – This focus refers both to the world in which ministry takes place and the nature of preparation for ministry in that world. Based on a strong foundation of Scripture and an understanding of the church's history of interaction with culture, students explore the wisest and most faithful ways to engage the contemporary world with the gospel. In the face of the rapidity and magnitude of change in today's world, Lipscomb's highly regarded Institute for Conflict Management provides invaluable resources to help students lead most effectively through especially challenging times.

The classroom plays a vital role in a minister's education, especially with a faculty like Lipscomb's that possesses extensive and varied personal experiences. In order to prepare to minister in the contemporary context, however, students need opportunities to learn through direct engagement with churches, service agencies, and a community that reflects the diversity of today's world. Lipscomb's location in Nashville provides abundant opportunities for such engagement to play a significant role in its students' education.

Vocational Ministry Major

This unique major is available to students who have declared a major in another academic discipline but want to be thoroughly prepared to participate in kingdom ministry. This major prepares the student to pursue any vocation as a platform for living out their lives in partnership with God in his work in the world. The final course in this major allows the student to research individually how that life of ministry might be lived out in the particular vocation the student chooses to pursue. Students who choose this major must have a declared major in another academic area. The student's degree (B.A., B.S., etc.) and General Education degree requirements will be determined by the student's first major.

Interdisciplinary Major in Worship Ministry

One of the crucial aspects of the church's life is its worship of God. Worship involves the interrelationship of scripture, song, prayer, communion at the table, and their impact on the lives of the members of the body. It is a challenge to coordinate these varied aspects of worship in a way that is cohesive, pleasing to God, and effective in touching the hearts and minds of the worshippers.

In light of this challenge, the College of Bible and Ministry and the Department of Music have joined together to develop an interdisciplinary major in Worship Ministry. The goal of this major is to prepare students with the knowledge and skills to assist congregations in meaningful, purposeful times of worship. This preparation includes biblical studies, as well as historical and theological aspects of worship, and the musical skills necessary to adapt songs for use in worship. In order to reach these goals, students who choose this major must complete the core Bible major plus the course Theology of Worship and a core of key courses in the Department of Music. This major has a built-in minor.

Minors

A variety of minors is offered by the Bible Department. In addition to the five built-in minors described above as concentrations, stand-alone minors are available in Bible, Biblical Languages, Greek, Hebrew, and Missions. A diversified minor, composed of 18 approved hours of additional 3000 and/or 4000 level courses outside the student's major field of study is an added option. Students who choose a major outside the Bible Department may find one of the department's minors exciting and useful.

A student who takes only the core Theology and Ministry major, without a concentration, must also have a minor. Some Bible majors may find minors in other departments appropriate to their specific goals. Psychology, for example, is a popular choice. A minor in Education would be helpful for Bible majors who have an interest in teaching Bible at a Christian school. This minor does not qualify the student for licensure as a teacher, but licensure is not typically a requirement for teaching Bible in a private school.

Requirements for Majors

Theology and Ministry Major

B.A. degree program only

Total hours required—43

Specific courses required—

Bible 2001, 2283, 2713, 3203, 3673, 3763, 3813, 3823*, 4503, 4513, 4793, 4973

Bible 4Dn3 Bible Text Intensive – Three sections (9 hours) of this course are required, including at least one Old Testament text and at least one New Testament text.

The General Education Language requirement must be satisfied with either Greek 1515, 1525, or Hebrew 1515, 1525.

*Meets requirement for Bible 3213, 3433, 4213

Theology and Ministry Major - Children's Ministry Concentration

B.A. degree program only

Total hours required—64

Specific courses required—

Bible 2001, 2283, 2713, 3203, 3273, 3543, 3673, 3763, 3813, 3823*, 4503, 4513, 4553, 4793, 4973

Theater 3413

Bible 4Dn3 Bible Text Intensive – Three sections (9 hours) of this course are required, including at least one Old Testament text and at least one New Testament text.

Three hours of Bible 479V or two hours of Bible 479V plus Family and Consumer Science 3451

Choose two of three courses: Family and Consumer Science 2413, Family and Consumer Science 4423, Psychology 3243

The General Education Language requirement must be satisfied with either Greek 1515, 1525 or Hebrew 1515, 1525.

A distributive minor is built into this major.

*Meets requirement for Bible 3213, 3433, 4213

Theology and Ministry Major - Language Concentration

B.A. degree program only

Total hours required—62

Specific courses required—

Bible 2001, 2283, 2713, 3203, 3673, 3763, 3813, 3823*, 4503, 4513, 4793, 4973

Greek 1515, 1525

Hebrew 1515, 1525

Six hours selected from:

Greek 3013, 3023, 3033, 4013, 4023, 4033, 450V

Six hours selected from:

Hebrew 3013, 3023, 3033, 450V

Six additional hours of Greek readings or Hebrew readings

A distributive minor is built into this major.

*Meets requirement for Bible 3213, 3433, 4213

Theology and Ministry Major - Missions Concentration

B.A. degree program only

Total hours required—64

Specific courses required—

Bible 2001, 2283, 2313, 2323, 2333, 2713, 3203, 3333, 3673, 3763, 3813, 3823*, 4503, 4513, 470V, 4793, 4973

Bible 4Dn3 Bible Text Intensive – Three sections (9 hours) of this course are required, including at least one Old Testament text and at least one New Testament text.

Six hours selected from:

Bible 3803, 4303, 4323, 4363, 4393, 487V

The General Education Language requirement must be satisfied with either Greek 1515, 1525, or Hebrew 1515, 1525.

A distributive minor is built into this major.

*Meets requirement for Bible 3213, 3433, 4213

Theology and Ministry Major - Preaching Concentration

B.A. degree program only

Total hours required—55

Specific courses required—

Bible 2001, 2283, 2713, 3203, 3333, 3653, 3763, 3803, 3813, 3823*, 4503, 4513, 4553, 475V, 4793, 4973

Bible 4Dn3 Bible Text Intensive – Three sections (9 hours) of this course are required, including at least one Old Testament text and at least one New Testament text.

The General Education Language requirement must be satisfied with either Greek 1515, 1525 or Hebrew 1515, 1525.

A distributive minor is built into this major.

*Meets requirement for Bible 3213, 3433, 4213

Theology and Ministry Major - Youth Ministry Concentration

B.A. degree program only

Total hours required—64

Specific courses required—

Bible 2001, 2283, 2713, 3203, 3513, 3523, 3533, 3543, 3673, 3763, 3813, 3823*, 4503, 4513, 4553, 477V (3 hrs.), 4793, 4973

Bible 4Dn3 Bible Text Intensive – Three sections (9 hours) of this course are required, including at least one Old Testament text and at least one New Testament text.

One course selected from: Family and Consumer Sciences 3403, 3433, 3503 or Sociology 2103

The General Education Language requirement must be satisfied with either Greek 1515, 1525 or Hebrew 1515, 1525.

A distributive minor is built into this major.

*Meets requirement for Bible 3213, 3433, 4213

Second Major in Vocational Ministry

Degree determined by first major

Total hours required – 40

Specific courses required –

Bible – Bible 2001, 4503, 4513

Theology – Bible 3433 or 3823, Bible 3213, 3203, 4213

Ministry and Missions – Bible 2283, 2313, 4123, either Bible 2713 or 3763

Nine hours selected from – Bible 2323, 2333, 3273, 3333, 3513, 3523, 3533, 3543, 3673, 4303, 4393, 4553, Engineering 3123

The General Education degree requirements will be determined by the student's first major.

Interdisciplinary Major in Worship Ministry

B.A. degree program only

Total hours required—69

Specific courses required—

Bible 2001, 2283, 2713, 3203, 3673, 3763, 3803, 3813, 3823*, 4503, 4513, 4793, 479V, 4973

Theater 3413

Music 1000 or 1010, 1111, 1121, 1133, 1143, 1511, 3303, 3313, 3403, 4020, 4612

Bible 4Dn3 Bible Text Intensive – Two sections (6 hours) of this course are required, with one Old Testament text and one New Testament text.

The General Education Language requirement must be satisfied with either Greek 1515, 1525 or Hebrew 1515, 1525. Participation in Music 1000 or Music 1010 for two semesters is required. Participation in Music 1511 for two semesters is required.

A distributive minor is built into this major.

*Meets requirement for Bible 3213, 3433, 4213

Requirements for Minors**Bible Minor** (Not open to Theology and Ministry majors)

Total hours required—19

Specific courses required—

Bible 2001, 3203, 4503, 4513, 4793

Two additional three-hour Bible courses from **BIBLE (BI) Primarily for Bible Majors and Minors****Biblical Languages Minor**

Total hours required—26

Specific courses required—

Greek 1515, 1525

Hebrew 1515, 1525

One Greek readings course

One Hebrew readings course

Greek Minor

Total hours required—19

Specific courses required—

Greek 1515, 1525

Three courses selected from:

Greek 3013, 3023, 3033, 4013, 4023, 4033

Hebrew Minor

Total hours required—19

Specific courses required—

Hebrew 1515, 1525, 3013, 3023, 3033

Missions Minor

Total hours required—19

Specific courses required –

Bible 2001, 2313, 2323, 3203, 3333, either 4503 or 4513

One course selected from:

Bible 2333, 3823, 4303

BIBLE (BI) General Education Bible Courses

- 1003 Introduction to the Bible and Christianity (3) F, SU**
This course is intended for incoming students at Lipscomb who have limited exposure to the Bible and the Christian faith. It is designed to help these students acquire the general information and background that will prepare them for the rest of their Bible courses. Topics to be covered include the books of the Bible, the key events and people in the Bible, the overall storyline of the Bible, and the background of the various expressions of Christianity today. This course is only open to students in their first year at Lipscomb.
- 1053 Early Hebrew History (3) F, SP Adult Degree Program students only**
A historical survey of the Old Testament period, with special emphasis on God's redemptive purpose in relation to the coming of Christ. **Students who have taken Bible 1512 cannot take this course.**
- 1063 Luke - Acts (3) F Adult Degree Program students only**
An analysis of Luke's two-volume account of the life and ministry of Jesus and the history and ministry of the early church.
- 1073 The Story of Jesus (3) F**
A study of what the four Gospels, with an emphasis on the Gospel of Luke, reveal about the life and message of Jesus, the significance of his redemptive work in God's larger purpose, and how disciples live out the story of Jesus in their own lives.
- 1083 The Story of the Church (3) SP**
A study of the development of the early church from Jesus' ascension to the end of the New Testament period in order to understand the beliefs and practices of the early church, as well as their relevance for the life of the church today.
- 1093 The Story of Israel (3) F**
A historical survey of the Old Testament period, with special emphasis on God's redemptive purpose in relation to the coming of Christ. **Students who have taken Bible 1512 cannot take this course.**
- Old Testament: Narrative History, F, SP**
A detailed study of the text of the selected Old Testament book(s) which recounts the story of God's redemptive purpose.
2013 Genesis (3)
2023 Joshua (3)
2043 Samuel (3)
2053 Kings (3)
- Old Testament: Law F, SP**
A detailed study of the text of selected Old Testament books which give God's guidance for the lives of his covenant people.
2113 Exodus (3)
2143 Deuteronomy (3)
- 2223 Marriage and the Christian Home (3) SP**
An analysis of the Scriptures relating to marriage and the home, with special emphasis on areas of adjustment necessary for a strong marriage.
- 2313 Introduction to Intercultural Mission (3) F, SP**
An introductory study of the Christian's mission to the world. The course studies God's mission in world history, with a special focus on the ministry of Jesus as the commission for our participation in world mission. This study challenges students to see themselves within the context of God's purpose for their life. This course also serves as the introduction to Christian missions for the student wanting to pursue missions as an emphasis. This course *may satisfy* the SALT Tier II requirement.
- 2323 Principles and Methods of Intercultural Mission (3) SP**
A practical study of the principles upon which the Christian mission of ministry must be pursued throughout the world. Methodology will be discussed based on the biblical principles identified. This course not only serves the future missionary, but everyone interested in effectively reaching the world around them with the Good News of Jesus.
- Old Testament: Psalms/Wisdom F, SP**
A detailed study of the text of selected Old Testament books which record the reflections of devout believers on life as it relates to God.
2423 Job and Ecclesiastes (3)
2433 Proverbs, Song of Solomon (3)
3543 Psalms (3)
- Old Testament: Prophets F, SP**
A detailed study of the text of selected Old Testament books which contain the prophets' exhortations to the covenant people based on God's actions in the past and promises for the future.
2513 Isaiah (3)
2523 Jeremiah, Lamentations (3)
- 2611 Reflections: Old Testament (1) Summer only**
Discussion of select Old Testament passages, with special effort to show relevance for the contemporary student. Student is required to participate in discussion and class activities.
- 2621 Reflections: New Testament (1) Summer only**
Discussion of select New Testament passages, with special effort to show relevance for the contemporary student. Student is required to participate in discussion and class activities.
- 2813 The Gospel of Matthew (3)**
An analysis of the life and teachings of Jesus as described in the Gospel according to Matthew.
- 2823 The Gospel of Mark (3)**
An analysis of the life and ministry of Jesus as described in the Gospel according to Mark.
- 2833 The Gospel of John (3)**
An analysis of the life and ministry of Jesus as described in the Gospel according to John.
- Epistles F, SP**
An analysis of one or more of the letters in the New Testament.
2913 Corinthians (3)
2923 Prison Epistles (3)
2943 Hebrews, James (3)
2983 Romans (3)
- 2973 Revelation (3) F, SP**
An analysis of the Apocalypse
- 3103 Missional Christian Living (3) F**
This seminar style class is intended to deepen the student's understanding of biblical teaching on a missional lifestyle and provide opportunities for students to live out these teachings in service to the community through partnership with non-profit and community service organizations. This course will utilize the service-learning method of teaching and learning, in which students participate in important service work to strengthen the community as they apply the concepts they are learning in the classroom. Classroom discussion will center around missional ideas and personal experiences. Significant service work outside of the classroom is required for this course. This is a Tier II level SALT course.

- 3123 Engineering Ethics: Redemption and Technology (3) SP**
An examination of the philosophical and (implicit) theological framework undergirding the use and development of technology, as it particularly relates to the engineering sciences. The course will pay significant attention both to questions of “the good,” and to more concrete questions of application. The course will also have a component that requires students to become familiar with codes of professional ethics in their respective fields of study.
- 3153 Nursing as Kingdom Vocation (3) F**
This course introduces those on a nursing career path to the theological and ethical significance of their chosen profession. By locating the nursing profession within the redemptive story of Scripture and integrating the practical and professional dimensions of nursing with faith, students will explore the process and content of ethical reflection in the context of the nursing profession.
- 3213 Faith and Culture (3) SP**
Beginning with the question, “Who are we?,” we consider what it means to fully participate in God’s kingdom. Out of this identity (kingdom worldview) we will enter into conversation with contemporary philosophy, science, social theory, and world religions. The purpose of the course is to assist the student in forming a deeper Christian faith and to equip him/her to engage in meaningful dialog with those of other ideologies. This course *may satisfy* the SALT Tier II requirement.
- 3223 Worldviews (3) (Adult Studies) SU**
A survey of secular and religious worldviews and their relationship to the Christian worldview. Students will become familiar with major views in the world today and examine them in light of biblical principles
- 3433 Disciplines for Christian Living (3) F, SP**
This course gives students resources, encouragement, and experience in the regular practices that deepen their awareness of relationship with God. This course *may satisfy* the SALT Tier II requirement.
- 4043 Selected Texts, Old Testament (3) F, SP**
A study of selected biblical texts in the Old Testament that are not addressed in other courses.
- 4133 Selected Texts, New Testament (3) F, SP**
A study of selected biblical texts in the New Testament that are not addressed in other courses.
- 4213 Biblical Ethics (3) F; Adult Studies: SP, SU**
The ethical teachings of the Bible, including the basis and content of Christian ethics and an evaluation of modern challenges.
- 4223 The Holy Spirit (3) SP**
An analysis of the Scriptures relating to the person and work of the Holy Spirit, with an evaluation of Pentecostalism.
- 4323 World Religions (3) F**
The nature of religion as illustrated in the tribal and ancient religions and then in living world religions. Special emphasis will be given to the contrast between one of the living world religions and Christianity.
- 4363 New Religious Movements (3) F, SP**
A study and critique of representative groups of cults which have either developed in America or which have become influential in America after being founded elsewhere.
- 4xnV Special Studies (1, 2, 3) F, SP, SU**
Topics of special interest to students and faculty which do not fit one of the current classifications. Students may repeat this course when course numbers are different. Junior standing required. These courses are advanced and are intended for students genuinely interested in their content. Permission of the professor may be required. Specific titles will be announced in the course schedule.

BIBLE (BI) Primarily for Bible Majors and Minors

- 2001 Biblical Tools/Research (1) F, SP**
The purpose of this class is to provide students with training and hands-on experience in biblical research. Students will learn how to research and write a paper, how to find books and journal resources in the Lipscomb library, how to find good internet resources, and how to take advantage of Greek and Hebrew tools. The class will be taught primarily on the WEB with work in the library and individual consultation with the professor.
- 2283 Explorations in Ministry (3) SP**
This introductory exposure to the life and work of a minister will consider issues such as a minister’s family relations, spiritual life, and ethics. Students will also engage with effective practitioners from a variety of ministry experiences. Recommended as a first course in ministry for all Bible majors during the freshman year.
- 2333 Theology and Anthropology of Intercultural Ministry and Mission (3) F (odd-numbered years)**
A consideration of the biblical principles of mission throughout the world combined with a careful study of the interplay of theology and mission throughout the Christian era with the intent of building contemporary applications for mission to a postmodern world. This course is designed to help the student identify the Good News and consider how it can most effectively be presented within a particular culture.
- 2713 The Story of Global Christianity (3) F**
This overview of Christianity throughout the world spans the time from the church’s beginning to the contemporary period. It focuses on the church’s response to the internal and external challenges of various times and cultures.
- 3203 God, Creation, and New Creation (3) F**
This examination of Christian theology places doctrines such as the nature of God, sin, salvation, etc. in the broader context of the Bible’s overarching narrative. Corequisite: Bible 2001.
- 3273 Children’s Ministry (3) SP (even-numbered years)**
This course introduces the student to the church’s ministry to children. It will focus on faith development in children, the organization and management of church programs for children, as well as how to work with parents of the children.
- 3333 Intercultural Communication (3) SP (odd-numbered years)**
In a rapidly diversifying world, this study provides the student with an opportunity to consider how to effectively communicate the Good News across cultural boundaries and in diverse multicultural settings. The course is designed to be an intensely practical study of communication, both verbal and non-verbal.
- 3513 Introduction to Youth and Family Ministry (3) F**
An introduction to the purpose and theology of youth and family ministry in the local church. This course will investigate the world of adolescence and adolescent culture, noting trends and factors important to those who minister to teenagers. Strongly recommended as a first course for youth ministry majors. This course *may satisfy* the SALT Tier II requirement.
- 3523 The Youth Ministry Program (3) SP**
A holistic approach to the planning and management of ministry to adolescents. Special attention will be given to multiple staff relationships, finance/budget, personal preparation, and planning ministry events. Outside resource personnel will be utilized.
- 3533 Educating Adolescents in the Church (3) F**
A study of various teaching methods that can be used in the instruction of adolescents in the local church. Students will be involved in the planning of teenage curriculum and in the design of actual lesson plans. Junior or senior standing required. Not recommended as a first course in youth ministry.
- 3543 Family Ministry (3) SP**
A study of what churches can do to help families in the church and in the community. This course will investigate the theology of the family, the problems and struggles of modern families, and methods that can be used to minister to families. Junior or senior standing required.

- 3653 Expository Preaching (3) SP***
Building competence in interpreting and presenting Biblical texts, with application to life. Prerequisites: Bible 3673, 4503, 4513.
- 3673 Communicating the Gospel (3) F, SP**
This course helps students move from their own understanding of the message of the Bible to communicating it to others in a way that helps them understand, receive, and respond to it. Communicating the Gospel should be taken as the first course in preaching. Prerequisites: Bible 4503, 4513.
- 3753 Religion and American Culture (3) F**
See History 4013.
- 3763 The Story of the Restoration Movement in America (3) SP**
The story of the movement which shaped the contemporary Christian Church (Disciples of Christ), independent Christian Churches, and Church of Christ within the context of American Church history.
- 3803 Theology of Worship (3) SP**
This course explores the historical, biblical and theological foundations of Christian worship as a forum for discussing contemporary trends in corporate worship. The contemporary tension over worship is set against the historic traditions of Christian worship from the early church through the present. Biblical materials are surveyed, and a theology of Christian worship is developed and applied.
- 3813 A Theology of the Church (3) F**
This course is intended to deepen the student's understanding of biblical teaching on the nature and importance of the church as the extension of the saving incarnation of Christ.
- 3823 Spiritual Formation for Ministry (3) F, SP**
This course provides instruction and guidance for the spiritual life of students who plan to be ministers. Prerequisite: Junior standing.
- 3833 The Biblical World (3) F, SP**
Literary, political, and religious backgrounds of the Old and New Testaments. This would include the thought patterns of the Ancient Near East and also cover material from the Apocrypha, Pseudepigrapha, Dead Sea Scrolls, Philo, Josephus, Greek and Roman hellenistic sources, and Rabbinic writings.
- 4123 Seminar in Vocational Ministry (3) F, SP**
An independent study course to be taken the last semester of a student's undergraduate experience. This course is available only to students pursuing a second major in ministry. The course will assist a student in researching the possibilities of ministry within the specific vocation of his or her primary major. The course will include required readings, mentoring by professors of both ministry and the student's primary major, interviews with those already working in the student's desired profession, along with other forms of research.
- 4303 Incarnational/Medical Missions (3) SP (even-numbered years)**
Building on passages which speak of compassion and those which describe Jesus' teaching and healing ministry, this course looks at Christian "missions" from a holistic point of view that includes the spiritual, mental, social and physical needs of humanity.
- 4393 Current Issues in Missiology (3) F (even-numbered years)**
An examination of the prevailing issues in missiology that are influenced and shaped by the political, social, spiritual and theological dynamics of our world. This course will also explore avenues of response through the proclamation of the gospel of Jesus Christ and the establishment of God's kingdom.
- 4503 Old Testament Interpretation (3) SP**
Principles, resources and methods essential for understanding what Old Testament texts said to their original audiences and for making application to modern audiences. Special attention will be given to an examination of significant sections of the Old Testament text which are illustrative of each genre of Old Testament literature. Corequisite: Bible 2001.
- 4513 New Testament Interpretation (3) F**
Principles, resources and methods essential for understanding what New Testament texts said to their original audiences and for making application to modern audiences. Special attention will be given to an examination of significant sections of the New Testament text which are illustrative of each genre of New Testament literature. Corequisite: Bible 2001.
- 4553 Ministerial Care (3) F**
A study of the minister's role as a care-giver in a congregation. This course will give a minister insight in how to listen to and help people who are struggling with issues in their lives, as well as insight into some of the typical kinds of problems that people discuss with a minister. Not recommended as a first course in ministry. Junior standing required. This course *may satisfy* the SALT Tier II requirement.
- 470V Internship in Missions (1, 2, 3)**
Participation in mission trips or other cross-cultural contact and teaching. Supervision in the activity and subsequent evaluation will be provided. Includes psychological testing and analysis. Prerequisite: Bible 2312. Offered on demand. Repeatable for a maximum of six hours. This course *may satisfy* the SALT Tier II requirement.
- 475V Internship in Preaching (1, 2, 3)**
Supervised field work with a church in which the student observes and contributes to the evangelistic program. Prerequisite: Bible 3673. Offered on demand. Repeatable for a maximum of six hours. This course *may satisfy* the SALT Tier II requirement.
- 477V Internship in Youth Ministry (1, 2, 3)**
Closely supervised ministry experience under a mentor. Attention will be given to the practical application of youth and family ministry. Prerequisites: Bible 3513, 3523. Offered on demand. Repeatable for a maximum of six hours. This course *may satisfy* the SALT Tier II requirement.
- 479V Internship in Ministry (1,2,3)**
Supervised field work in some aspect of ministry other than preaching or youth ministry (e.g. campus ministry, benevolence ministry). Prerequisite: 7 hours in Bible including one ministry course. Offered on demand. Repeatable for a maximum of six hours. This course *may satisfy* the SALT Tier II requirement.
- 4793 The Bible and Scholarly Study (3) SP**
The Bible has been the object of academic inquiry for centuries. The results of this inquiry, which sometimes challenge the Bible's integrity, have increasingly entered into popular media. This course helps students to place biblical scholarship in context and to recognize the difference between fair and unfair approaches to the text. Prerequisite: Junior standing. Corequisite: Bible 2001.
- 486V Readings in Church History (1, 2, 3)**
Selected readings in an area of church history. Prerequisite: Bible 2713 or 2723. Offered on demand. Repeatable for a maximum of three hours.
- 487V Readings in Missions (1,2,3)**
Selected readings tracing the historic development of the Christian mission from William Carey (1793) through the 20th century, with special emphasis on the theological perspectives which shaped the dynamic mission movements and achievements of the past with the prospects for the future. Offered on demand. Can be repeated for a maximum of five hours.
- 490V Biblical Studies Travel (1,2,3)**
A study tour providing experiential analysis of sites of importance for biblical studies (Holy Land, Greece, Turkey, and sites of importance for church history). A written project will be required. Course may be repeated for a total of 6 semester hours when location varies.

- 4973 Senior Seminar (3) F, SP**
A capstone, integrative seminar for Bible majors to be taken in the senior year. The course consists of a seminar format, including extensive use of case studies, a major paper, and oral presentation. Students combine Christian theology, biblical studies, and ethics in order to understand Christian ministry today.
- 4Dn3 Bible Text Intensive (3) F, SP**
An in-depth study of various Old and New Testament texts. Emphasis will be placed on the historical and cultural background of the given text, as well as its literary features. Students will be expected to research and write on these texts. This course may be repeated, as long as the text being studied differs. This course is only open to Bible majors and minors, and students in the Honors Program. Other students may be admitted with permission of the instructor.

GREEK (GR)

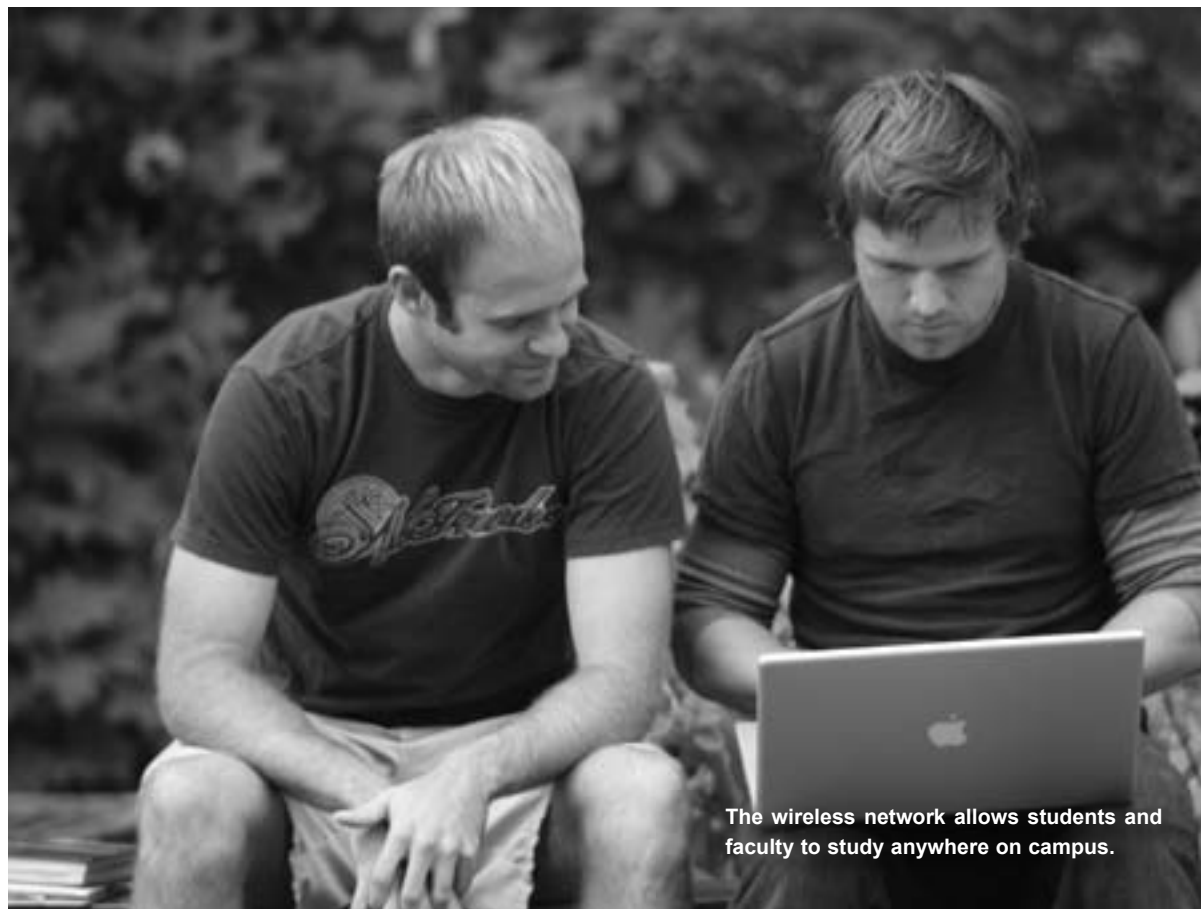
- 1515, 1525 Introduction to Greek I, II (5, 5) F, SP**
A study of Greek grammar. Careful drill in forms, pronunciation, and translation. Prerequisite to 1525: Greek 1515 with a minimum grade of "C."
- 3013, 3023, 3033 The Greek New Testament I, II, III (3, 3, 3) F, SP, SU**
Readings from the Greek New Testament. Prerequisite: Greek 1525 with a minimum grade of "C." GR 3013 must be taken first.
- 4013, 4023, 4033 Advanced New Testament Greek I, II, III (3, 3, 3) F, SP, SU**
Advanced study of selected portions of the New Testament together with readings from Hellenistic Greek. Prerequisite: Greek 1525 with a minimum grade of "C."
- 450V Independent Study in Greek (1, 2, 3)**
Independent study in Greek with translation, grammatical and exegetical exercises as approved by supervising professor. Limit: 6 hours. Offered on demand.

HEBREW (HB)

- 1515, 1525 Introduction to Hebrew I, II (5, 5) F*, SP***
Emphasis on Hebrew vowel points, vocabulary, verb conjugation, practice in translation, syntax, and other grammatical phenomena. Prerequisite to 1525: Hebrew 1515 with a minimum grade of "C."
- 3013, 3023, 3033 The Hebrew Old Testament I, II, III (3, 3, 3) F*, SP*, SU***
Readings in Old Testament books with emphasis on building vocabulary, reviewing verb forms, and making occasional comparative studies in the Septuagint and New Testament. Prerequisite: Hebrew 1525 with a minimum grade of "C." HB 3013 must be taken first.
- 450V Independent Study in Hebrew (1, 2, 3)**
Independent study in Hebrew with translation, grammatical and exegetical exercises as approved by supervising professor. Limit: 6 hours. Offered on demand.

GR 1515, 1525 and HB 1515, 1525 do not fulfill the Bible requirement.

***Offered in alternate years**



The wireless network allows students and faculty to study anywhere on campus.



Students have access to a state-of-the-art investment lab in the Swang Center.

College of Business

C. Turney Stevens, *Dean*
C. Ray Eldridge, *Associate Dean*

The unique mission of the College of Business is to equip future business leaders with both professional skills and a strong sense of integrity. For 120 years, it has been the purpose of the college to teach our students *how to do things right* and to challenge them daily to consider *what the right thing to do* should be in each and every demanding circumstance of business and life. The College takes as its mission the words of Psalm 78:74: “And David shepherded them with integrity of the heart; with skillful hands he led them.” Our objective is to train our students to have both the skills and the integrity to succeed and to lead.

The College of Business at Lipscomb University seeks to provide students with the knowledge, skills, and competencies they need to be successful in today’s global business environment. Lipscomb has a distinctive atmosphere in which to provide this preparation. Students may choose from excellent academic programs that are delivered in a Christian environment by exceptional faculty whose passion is helping students achieve their goals.

Lipscomb offers the Bachelor of Business Administration (B.B.A.) degree for its business majors. This degree is designed specifically for business majors, beginning with the Foundations of Business: A Christian Perspective course that students take as freshmen and culminating with our capstone Business Policy & Strategy course taken by graduating seniors. The academic program consists of a broad liberal arts component, followed by the business core, and ending with specialized courses in the major of study. Majors are offered in accounting, financial management, financial markets, management, and marketing. The management major provides concentrations in corporate management, human resources, information and technology management, international business, and sustainability management. The B.B.A. degree integrates decision-making, technology, communication skills, ethics, and a global emphasis into our academic programs. Practical applications can be achieved through business clubs and organizations, a mentoring program, and internship opportunities.

Our outstanding business faculty bring practical business experience as well as depth of academic knowledge into every class. The faculty of the College of Business are committed to fostering relationships with the business community and encouraging exchanges among students and businesses. Our students are also well known for many excellent accomplishments. Many of our students are involved in service learning projects which prepare them to be servant leaders in businesses and organizations.

The College of Business is a member of The Association to Advance Collegiate Schools of Business International (AACSB) and is a member of and is accredited by the Association of Collegiate Business Schools and Programs (ACBSP). The college also sponsors the Eta Mu chapter of Delta Mu Delta, a national business honor society for business majors.

In addition to the undergraduate and graduate programs, the College of Business is comprised of the Dean Institute for Corporate Governance and Integrity and the School of Executive Education.

The Dean Institute is a national forum that integrates best practices in corporate governance with integrity and faith for public and private company executives, board members and other top-tier corporate leaders. The Institute is funded by an endowment previously established at Lipscomb by Hilton and Sallie Dean. Hilton Dean is a retired vice chairman of Ernst & Young, LLP, New York, and is currently chairman of the Lipscomb University Board of Trustees. Unlike other programs on corporate ethics and regulatory issues, Lipscomb’s Dean Institute will approach governance from a faith-based perspective and address the root issues at play, namely how character and integrity inform the decisions, actions, and culture of corporations. The institute will examine the guiding principles and factors that inspire honesty and transparency, even when those qualities may have undesirable short-term consequences.

The School of Executive Education offers professional and continuing education courses designed to enhance the skills and knowledge of business leaders. These programs are typically shorter in nature, presented in an intensive and interactive format, and consist of non-degree programs generally not offered for academic credit. This new school provides interactive learning experiences, offers engaging dialogue, exposes participants to leading thinkers and practitioners, and elevates skills required to achieve new levels of success. The School of Executive Education offers innovative ideas, relevant knowledge, and practical applications. Business leaders will benefit from the extensive research and real-world experience that serve as the school’s foundation.



International study opportunities are a vital part of the College of Business curriculum.

Bachelor of Business Administration

General Education

The general education requirements for the B.B.A. degree are listed in items 1 through 10 under The General Education Requirements on page 26, except as noted below:

1. Economics 2503 must be taken to fulfill three of the six History and Social Science hours
2. The Mathematics requirement will be satisfied only with Mathematics 1113 or higher.

Business Core (*42 hours) and Other Required Courses for B.B.A. Degree

All majors in the B.B.A. degree must complete the following courses:

Accounting 2503, 2513

Business Administration 1013, 3703, 4503

Select three hours from the following courses:

Business Administration 3603, Accounting 4803, Finance 4803, Management 4803, or Marketing 4803

Economics 2503, 2513

Finance 3503

Information Technology 2043

Management 3013, 3023, 3503, 3613

Marketing 3503

Mathematics 1113 or higher

*(There are 42 hours in the business core. Economics 2503 and Mathematics 1113 are included in the general education requirements.)

Declaration Requirements

In addition to the requirements on page 26 in the catalog, the following five courses must be completed for a student to declare a major in the B.B.A. degree:

Accounting 2503

Business Administration 1013

Economics 2503

Information Technology 2043

Mathematics 1113 or higher

Policies

At least 12 hours in a student's major department and which apply to the major requirements must be taken at Lipscomb.

At least 9 hours in a student's minor department and which apply to the minor requirements must be taken at Lipscomb.

At least 21 hours in a student's business core courses and which apply to the degree requirements must be taken at Lipscomb.

A business major whose minor is also in business must have at least 12 hours in the minor that are different from hours satisfying the major requirements.

Charles Frasier, Professor and Chair,
Department of Accounting



Department of Accounting

Charles E. Frasier, *Professor and Academic Chair*

Susan C. Galbreath, *Professor*

Jeffrey A. Mankin, *Assistant Professor*

Perry G. Moore, *Professor and Director
of the MAcc Program*

The mission of the Department of Accounting is to prepare students for careers in professional accounting and various other opportunities in the business community, to provide a foundation for graduate work, and to help students develop critical thinking skills essential for business decision-making.

Distinctives of the Accounting Department

The accounting program emphasizes the development of excellent communication, team-building, and problem-solving skills. At the undergraduate level, a major and minor are offered in Accounting, and at the graduate level, a student can obtain the Master of Accountancy (MAcc) degree. Undergraduate accounting majors can earn a joint BBA/MAcc degree by completing a combination of undergraduate and graduate hours.

Our accounting program has experienced a 100% placement rate for accounting graduates in recent years and has established a proven track record of preparing our students for the CPA Examination. We are recognized for academic excellence in accounting and provide diverse career opportunities in public accounting and in private accounting with public companies, private companies, government institutions, and not-for-profit organizations.

Other events and programs:

- *Annual Meet the Firm Night*: Students network with employers about career opportunities.
- *Internships*: Students are required to participate in the internship program where positions are available with large to medium-size public accounting firms, publicly-held corporations, and other organizations. Internships provide students with opportunities to work in a professional environment while earning academic credit. Most accounting internships are paid internships.

Career Opportunities

Public accounting

Internal auditing

Managerial accounting

Governmental and non-profit accounting

Corporate financial management

Lipscomb's Accounting Program and the Uniform CPA Examination

The State of Tennessee, as well as most other states, has adopted the 150-hour requirement for candidates to qualify to sit for the Uniform Certified Public Accounting (CPA) Examination. To satisfy this requirement, candidates must generally have at least a bachelors degree with a minimum of 150 semester hours from an accredited college or university.

In order to prepare our students for the CPA examination, Lipscomb University offers the following options:

1. Obtain the joint BBA/MAcc degrees. This option provides both an undergraduate degree with a major in Accounting and a Master of Accountancy (MAcc) degree in 150 hours of coursework.
2. Obtain the 132-hour undergraduate major in accounting and take four courses in the MAcc program. The four graduate courses will qualify students to receive a Graduate Certificate in Professional Accountancy from Lipscomb University.
3. Obtain the 132-hour undergraduate major in Accounting and take an additional 18 hours of undergraduate courses. Students selecting this alternative should consult with the academic chair to determine the best options for courses to include in the additional 18 hours.

Certificate in Accountancy Program (CAP)

Beginning summer 2009, the School of Executive Education and the Department of Accounting established the Certificate in Accountancy Program (CAP), which is an intensive 13-week program that offers up to 24 semester hours of accounting education. Students who complete this certificate will satisfy the 24-hour accounting requirement to sit for the CPA Examination and will fulfill the accounting prerequisites for entering the Master of Accountancy program. Please contact Dr. John Lowry, Assistant Dean for Executive Education, for additional information.

Requirements for Major

Accounting Major

B.B.A. degree program

Total hours required—21 (in addition to the BBA requirements on page 139)

Specific courses required—

Accounting 3503, 3513, 3553, 3563, 3573, 390V, 4113

Requirements for Minor

Accounting Minor

Total hours required—18

Specific courses required—

Accounting 2503, 2513, 3503 and any 3 additional upper-division accounting (AC) courses, except for AC 390V Internship in Accounting.

ACCOUNTING (AC)

2503 Financial Accounting (3) F, SP, SU

The basic introduction to generally accepted accounting principles, covering fundamentals of financial statement preparation based on a user's perspective, certain unique financial reporting aspects of cash, receivables, inventories, current and long-term liabilities, equity, partnerships corporations and international transactions. The course should be taken at the sophomore level.

2513 Managerial Accounting (3) F, SP, SU

The second semester of the first-year accounting sequence, introducing managerial accounting topics relevant to internal decision makers. Topics include cost-volume-profit analysis, job order costing, variable costing, short-term decision-making, activity-based costing, operational budgeting, introduction to capital budgeting, analysis of financial statements, and reporting of cash flows. The course is taught from the perspective of a user of financial information. Prerequisite: Accounting 2503.

350V Intermediate Accounting I (3) F, SP, CAP (4)

An in-depth examination of generally accepted accounting principles for the external decision maker. An analytical review of the measurement and reporting of financial information, and includes topics such as the conceptual framework of accounting principles, income statement, balance sheet, time value of money, cash and receivables, inventories, fixed assets, depreciation, and intangible assets. This course is normally taken in the junior year following Financial Accounting and Managerial Accounting, and is the first of two semesters of Intermediate Accounting required of all accounting majors. Prerequisite: Accounting 2513, with a "C" or above in both Accounting 2503 and 2513.

351V Intermediate Accounting II (3) F, SP, CAP (4)

The second Intermediate Accounting course in a two-course sequence. Topics include investments, current and long-term liabilities, stockholders' equity, dilutive securities, income taxes, pension and post-retirement benefits, share-based compensation, earnings per share, revenue recognition, accounting changes and errors, and the statement of cash flows. Prerequisite: Accounting 3503, with a "C" or above.

3533 Advanced Accounting (3) SU

Concerns specialized accounting areas such as business combinations, consolidated statements, and foreign currency translation and remeasurement. Prerequisite: Accounting 3503 with a grade of "C" or above.

3553 Accounting Information Systems (3) F, SP (online only)

A course which informs students of the relationships between the accounting process and the needs of management. In addition, internal controls and how systems work within the various transaction cycles are examined. Technology skills and their use will be an important component of this course. Prerequisite: Accounting 3503, with a grade of "C" or above, and IT 2043.

3563 Cost Accounting (3) F, SU

A study of accounting practices relating primarily to manufacturing operations. Topics include job order, process, and standard cost systems, break-even analysis, variances, and activity-based costing. Open to accounting majors only. Prerequisite: Accounting 2513 with a grade of "C" or above.

357V Federal Income Taxation (3) F, SP, CAP (4)

A study of income tax law relating to the individual taxpayer. Prerequisite: Junior Standing.

3803 U.S. Business, Culture, and Travel to [insert destination] (3)

This course provides the opportunity to travel to major business centers in the United States, gaining exposure to a business environment not present in Middle Tennessee. Attention will be given to various business segments, trends, governing/advising bodies, cultural influences, political issues, financial disclosures specifically relevant to a large corporation, corporate governance issues, importance of internal control processes and internal auditing, the independent audit examination of a large corporation, marketing and service strategies, management approaches and other factors impacting business decision-making. Domestic trip participation is required.

390V Internship in Accounting (1-3) F, SP, SU

Prerequisite: Permission of professor in charge and department chairman. Open only to juniors and seniors. Repeatable for up to six hours, but only if it is a different experience from first internship. This course *may satisfy* the SALT Tier II requirement.

4003 Corporate Governance and Internal Control (3) F

Corporate governance refers to the myriad of constraints designed to encourage managers and directors act in the interest of shareholders. Topics include choice of legal entity, ownership structure, corporate charter, stakeholder and corporate social responsibility, proxy process, board of directors, CEO compensation, CEO performance evaluation, CEO retention, boundaries of the firm, and international corporate governance. Additional topics will include the design and evaluation perspectives of the control environment, risk assessment, control activities, and monitoring. Special attention will be given to the rapidly changing environment affecting corporate management in response to Sarbanes-Oxley Act. Students interested in obtaining the MAcc degree should not take this course at the undergraduate level. Prerequisite: AC 2513, with a grade of "C" or above, and senior standing.

- 401V Independent Study in Accounting (1-3) F, SP, SU**
Independent research of primary and secondary data in a selected topic; topic title to be approved by major professor and academic chair; paper to be kept on file. Prerequisite: Advanced standing, proven research ability and approval of academic chair. Repeatable for a maximum of six hours. This course *may satisfy* the SALT Tier II requirement.
- 4113 Principles of Auditing (3) F (night), SP (day)**
A comprehensive review of the attest function as performed by independent public accounting firms. Includes a study of the auditing environment, generally accepted auditing standards, ethics and internal controls. Strong emphasis is placed on the student's ability to communicate across all mediums. Prerequisite: Accounting 3503 with a grade of "C" or above.
- 4313 Governmental and Non-Profit Accounting (3) F, SP (online only)**
This course covers the specialized accounting areas in governmental and non-profit accounting. Prerequisite: Accounting 3503.
- 4553 Advanced Federal Income Taxation (3) SP**
The application of income tax law relating to partnerships, corporations, estates, and trusts. Prerequisite: Accounting 3573 with a grade of "C" or above.
- 4753 Financial Statement Analysis (3) F**
Focuses on corporate financial statements and provides an appreciation for the issues faced by corporate managers as they design a financial reporting strategy. Skills developed in the course include analysis of business performance through financial statements; analysis of earnings quality and other accounting matters; and forecasting earnings and cash flows. The course also offers perspectives on the role of financial reporting and financial statement analysis in the capital markets. Students interested in obtaining the MBA or MAcc degree should not take this course at the undergraduate level. Prerequisite: FI 3503 with a grade of "C" or above, and senior standing.
- 4803 Global Business, Culture, and Travel to [insert destination] (3)**
This course gives learners international business exposure and a unique cultural experience with an opportunity to encounter firsthand a global business environment including various business segments, trends, governing/advising bodies, cultural influences, political issues, consequences of exchange rate fluctuations, examination of financial statements prepared under international accounting standards, comparison of financial reporting disclosures between U.S. GAAP rules and international accounting standards, marketing and service strategies, management approaches, and other factors impacting the transaction of business in the chosen destination. International trip participation is required.





Starbucks is a great place to catch up with friends.

Department of Finance and Economics

William C. Ingram, *Professor and Academic Chair*
Richard J. Grant, *Professor* Jeff J. Jewell, *Associate Professor*

The mission of the Department of Finance and Economics is to provide the curriculum and environment that fosters the development of effective practitioners and scholars in the related disciplines of economics and finance. The programs of study offered in this department provide a solid foundation for individuals entering the financial services industry or the financial management field. These programs also provide a strong background for students who wish to continue their education in graduate business, law, and other professional fields.

The department offers two tracks of study for students majoring in finance.

Financial Markets Major

The Financial Markets major is for students who desire a career in the financial services sector of the economy and is similar to finance programs offered by other universities. Lipscomb University graduates of recent years have done quite well in landing jobs with various types of financial institutions and organizations.

Financial Management Major

The Financial Management major has been created for students interested in working in corporate finance and is offered in conjunction with the Department of Accounting. Although this is a new concentration for Lipscomb, there are a number of Lipscomb graduates already working in corporate finance.

Minors are also offered in both economics and finance.

Professional Designation: Students completing either of the two finance tracks with a GPA greater than 3.0 will meet the education requirements of the MFP™ Master Financial Professional™ program. Graduates will be able to apply for this designation upon graduation through the American Academy of Financial Management (AAFM). As an ACBSP accredited College of Business, Lipscomb University has been recognized by this organization.

Distinctives of the Finance and Economics Department

- *Financial Markets Lab:* Students have access to a state-of-the-art investment lab located in the Swang Center for Business Administration. This lab provides students with access to the same investment research software used by professional investment firms across the country.
- *Tennessee Valley Authority (TVA) Investment Challenge:* Students enrolled in FI 4813 participate in the TVA Investment Challenge. This is an annual competition between twenty-five student teams across the TVA region. Each team manages a portfolio of TVA funds in the general range of \$500,000. Since Lipscomb began participating in this program in 2003, its team has won performance awards four times including a first-place finish in 2009 with a 62.3% return (almost 17% higher than the second place team). In addition, the Lipscomb investment team won the “rolling 3-year Performance” title for 2009 with a three-year return of +1.94% compared to the Standard and Poor’s (S&P) 500 return of -5.63% and an average return of -4.14% for all teams in the competition.

Other events and programs:

- *Annual Career and Networking Event:* Students can network with employers at this event and learn about career opportunities.
- *Internships:* Students are encouraged to participate in the internship program where students work in a professional environment while earning academic credit. Many also receive financial compensation.
- *Awards of Excellence and Scholarships:* Juniors and seniors majoring in Finance and Economics can apply for Awards of Excellence and scholarships to be given at the Annual College of Business Awards Banquet.

Career Opportunities

Financial services in:

Banking
Insurance
Securities
Real estate

Personal financial planning
Corporate financial management

Requirements for Majors

Financial Management Major

B.B.A. degree program

Total hours required – 21 (in addition to BBA requirements on pg. 139)

Specific courses required –

Accounting 3503, 3563

Finance 4003, 4513, 4753, 4913

Three hours of electives selected from:

Accounting 3513, 4113

Finance 3603, 3913

Financial Markets Major

B.B.A. degree program

Total hours required—21 (in addition to BBA requirements on pg. 139)

Specific courses required—

Finance 3603, 3703, 3913, 4513, 4813, 4913

Three hours electives selected from:

Accounting 3573

Finance 3643, 4343, 4753

Requirements for Minors

Economics Minor (for non-business majors only)

Total hours required—18

Specific courses required—

Economics 2503, 2513, 3603

Marketing 3503

Management 3503

Elective—3 additional hours as approved by academic chair of Finance and Economics Department

Finance Minor (for Business majors)

Total hours required—18

Specific courses required—

Economics 3603

Finance 3503, 3703

Management 3013

Electives—6 additional hours in upper-division Finance as approved by academic chair of Finance and Economics Department

General Finance Minor (for non-business majors only)

Total hours required—18

Specific courses required—

Accounting 2503

Economics 2503, 2513

Finance 3503, 3603

Electives—3 additional hours in upper-division Finance as approved by academic chair of Finance and Economics Department

ECONOMICS (EC)

2503 Principles of Microeconomics (3) F, SP, SU

Basic economic principles in the context of modern society and business; scarcity and the allocation of resources, supply and demand, the American economy, the global economy, market structures, and resource markets.

2513 Principles of Macroeconomics (3) F, SP, SU

Basic economic principles in the context of modern society and government policy; national income accounting, output determination, fiscal policy, the banking system, monetary policy, and international trade. Prerequisites: Economics 2503 and Mathematics 1113 or higher level Mathematics course.

3303 Natural Resource Economics (3) SP

Economic principles applied to the presence and utilization of natural resources. The nature of public policy will also be addressed, with emphasis on how natural resource and environmental issues fit into the greater policy context. This will include deeper study of the meaning of scarcity, cost, property rights, sustainability, and the limits of knowledge. Topics may include the law and economics of water and other minerals, forests, fisheries, energy supply, pollution, and climate change. Prerequisites: Economics 2503 with a grade of “C” or better.

3603 International Economics and Finance (3) F

This course will focus on international trade as a sub-theme in the greater concert of the human struggle to survive and prosper that has continued, in essence unchanged, throughout the centuries. The emphasis will be on developing a framework for thought that will enable us to make sense of what has happened. This, in turn, will better enable us to understand the world in which we now live and what paths might lie before us. Prerequisites: Economics 2503 and 2513 with grades of “C” or above.

390V Internship in Economics (1-3) F, SP, SU

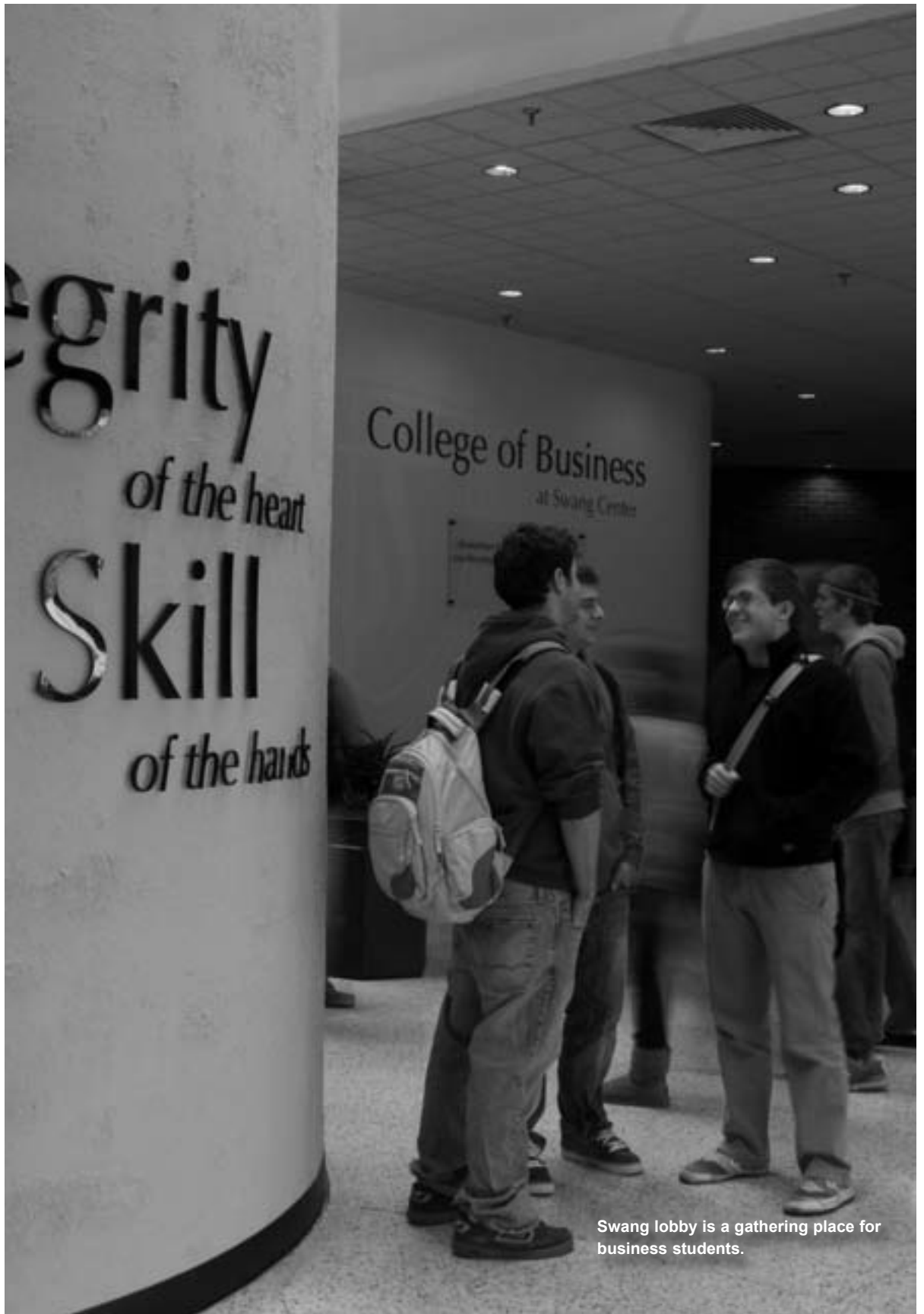
Prerequisite: Permission of professor in charge and academic chair. Open only to juniors and seniors.

401V Independent Study in Economics (1, 2) F, SP, SU

Independent research of primary and secondary data in a selected topic; topic title to be approved by major professor and academic chair; paper to be kept on file. Course may be repeated. Prerequisites: Advanced standing, proven research ability, and approval of academic chair.

FINANCE (FI)

- 2213 Personal Finance (3)**
A course designed primarily for non-business majors to cover all aspects of personal financial affairs. This course is not open to juniors or seniors majoring in the College of Business.
- 3503 Principles of Finance (3) F, SP, SU**
This course will introduce the student to the significance of the finance function to individuals, organizations, and the economy with a balanced survey of the three major areas of finance: financial markets, investments, and business finance. Prerequisites: Accounting 2503, Economics 2503, 2513, Management 3013. (Completion of Accounting 2513 recommended.)
- 3603 International Economics and Finance (3) F**
This course will focus on international trade as a sub-theme in the greater concert of the human struggle to survive and prosper that has continued, in essence unchanged, throughout the centuries. The emphasis will be on developing a framework for thought that will enable us to make sense of what has happened. This, in turn, will better enable us to understand the world in which we now live and what paths might lie before us. Prerequisites: Economics 2503 and 2513 with grades of "C" or above.
- 3643 Financial Planning (3) SP**
A study that covers the broad range of financial services topics, including the financial planning process, the time value of money, insurance and risk management, investment tax planning, retirement planning and estate planning. Prerequisite Finance 3503 with a grade of "C" or above.
- 3703 Equity Investments (3) SP**
Covers institutional facts about the equity markets, modern portfolio theory and market efficiency, fundamental and technical analysis. Prerequisite: Finance 3503 with a grade of "C" or above and Management 3013 with a grade of "C" or above.
- 3803 U.S. Business, Culture and Travel to [insert destination] (3)**
The course gives learners the opportunity to travel to major business center(s) in the United States, gaining exposure to a business environment not present in Middle Tennessee. Attention will be given to various business segments, trends, governing/advising bodies, cultural influences, political issues, marketing and service strategies, management approaches, financial institutions, money and capital centers, and other factors impacting the transaction of business in the chosen destination. Domestic trip participation is required.
- 390V Internship in Finance (1-3) F, SP, SU**
Prerequisite: Permission of professor in charge and department chairman. Open only to juniors and seniors.
- 3913 Debt and Derivatives (3) F**
This course covers institutional facts about the money markets, bond markets, and derivative markets. Also covers asset pricing and portfolio management issues for debt and derivative instruments. Prerequisites: Finance 3503 with a grade of "C" or above and Management 3013 with a grade of "C" or above.
- 401V Independent Study in Finance (1-3) F, SP, SU**
Independent research of primary and secondary data in a selected topic; topic title to be approved by major professor and department chairman; paper to be kept on file. Course may be repeated. Prerequisites: Advanced standing, proven research ability and approval of academic chair.
- 4003 Corporate Governance and Internal Control (3) F**
Corporate governance refers to the myriad of constraints designed to encourage managers and directors act in the interest of shareholders. Topics include choice of legal entity, ownership structure, corporate charter, stakeholders and corporate social responsibility, proxy process, board of directors, CEO compensation, CEO performance evaluation, CEO retention, boundaries of the firm, and international corporate governance. Additional topics will include the design and evaluation perspectives of the control environment, risk assessment, control activities, and monitoring. Special attention will be given to the rapidly changing environment affecting corporate management in response to Sarbanes-Oxley Act. Students interested in obtaining the MAcc degree should not take this course at the undergraduate level. Prerequisite: AC 2513, with a grade of "C" or above, and senior standing.
- 4343 Fundamentals of Real Estate (3)**
An introduction to the basics of real estate: markets, law, appraisal, finance, and management. Prerequisites: Finance 3503 with a grade of "C" or above.
- 4513 Managerial Finance (3) SP**
An advanced study of the practice and policies applicable to the financial management of business enterprises, including sources and uses of funds, lines of credit, the placing of securities, and the role of the financial manager. Prerequisite: Finance 3703 or Finance 4753 or Accounting 4753 with a grade of "C" or above.
- 4753 Financial Statement Analysis (3) F**
Focuses on corporate financial statement and provides an appreciation for the issues faced by corporate managers as they design a financial reporting strategy. Skills developed in the course include analysis of business performance through financial statements; analysis of earnings quality and other accounting matters; and forecasting earnings and cash flows. The course also offers perspectives on the role of financial reporting and financial statement analysis in the capital markets. Students interested in obtaining the MBA or MAcc degree should not take this course at the undergraduate level. Prerequisite: Accounting 3563 with a grade of "C" or above, and senior standing.
- 4803 Global Business, Culture and Travel to [insert destination] (3)**
This course gives learners international business exposure and a unique cultural experience with an opportunity to encounter firsthand a global business environment including various business segments, trends, governing/advising bodies, cultural influences, political issues, marketing and service strategies, management approaches, financial institutions, money and capital centers, and other factors impacting the transaction of business in the chosen destination. International trip participation is required.
- 4813 Investment Fund Management (3) F, SP, SU**
Students enrolled in this course are responsible for managing a real portfolio of Tennessee Valley Authority funds. Students also compete in the TVA Investment Challenge against investment teams from other universities in the TVA region. Participating students are responsible for security selection, portfolio balancing and other fund management decisions. Enrollment is limited and students must make special application to the Department of Finance and Economics for admission to this course. Preference is given to those who can make a two-semester commitment to help manage the fund. Prerequisite: A grade of "B" or better in Finance 3703.
- 4913 Special Topics (3) SP**
This course covers material that does not fit neatly into the other courses in the finance major, either for conceptual reasons or time constraints. The course will be composed of several distinct content modules. A partial list of possible topics includes: mergers and acquisitions, private equity, hedge funds, financial forecasting, financial modeling, bankruptcy and financial distress, and the valuation of private companies. Prerequisites: Senior standing in one of the finance majors.



Swang lobby is a gathering place for business students.

Department of Management

C. Ray Eldridge, *Associate Professor and Academic Chair*

Charles G. Capps, *Associate Professor*

Brad Reid, *Professor*

Allison B. Duke, *Assistant Professor*

Leanne W. Smith, *Instructor*

Elaine Griffin, *Professor*

C. Turney Stevens, *Professor*

Joseph M. Ivey, Jr., *Associate Professor*

Laura Williams, *Assistant Professor*

Michael E. Kendrick, *Associate Professor*

The mission of the Department of Management is for students to learn the requisite skills, knowledge, and Christian perspectives needed to successfully function in the role of CEO, General Manager, or Entrepreneur. Students will be prepared to do well and do good.

Distinctives of the Management Department

The Department of Management offers two majors: Management and Information and Technology Management. Both majors require students to complete an internship in their area of concentration, giving them a competitive advantage in the post-graduation marketplace. With 36,000 employers within 30 minutes of campus, students have a wide range of internship options.

International internships are also available. This summer, students will work as interns in Hong Kong with Prudential Asia, a leading life insurer in Asia. These internships were offered exclusively to Lipscomb University students. As part of the College's expanding emphasis on global business, these exclusive internship opportunities are expected to increase, allowing more Lipscomb students unique international opportunities. Management students also recently competed internationally in a global business competition. Lipscomb business students were awarded 1st place in 3 different semesters of competition. The Students in Free Enterprise (SIFE) team was awarded the 2010 Regional Championship, the 2010 Rookie of the Year Award, and will be competing at the National Championship.

Management faculty are thoroughly prepared as they average 16 years of real-world management experience and 8 years of higher-education classroom teaching experience. Management faculty achievements include innovative research such as publication in the *Best Paper Proceedings* of the 2009 Academy of Management. This provides students the opportunity to participate in a rich learning environment for both current management theory and practical experience in every classroom.

Management Major

The Management major includes a common set of three core courses (Servant Leadership, Organization Behavior, and Internship) and a choice of four courses from one of four concentration areas. Each concentration is designed to give the student a deeper level of knowledge in a specific area and increase placement opportunities. The concentrations include:

- *Corporate Management*

This is a broad-based business major requiring mastery of all core business disciplines. Emphasis is placed on acquiring the knowledge, skills, and experience necessary to successfully plan, organize, lead, and control large organizations.

- *Human Resources Management*

This concentration focuses on mastery of specific human resources functions including job analysis, recruiting, selection, retention, compensation, training, development, employee relations, and employment law. An emphasis will be placed on the strategic role of human resources professionals in today's organizations.

- *International Business*

As the global economy continues to expand, the demand for international business education is higher than ever and expected to increase. The International Business concentration prepares students for future management roles with global companies or those companies providing significant expatriate opportunities by increasing understanding of international cultures, business, marketing, and finance.

- *Sustainability Management*

Climate change, biodiversity loss, the increasing urbanization of the world's population, and the growth and integration of the world's markets all confront local communities with opportunities and challenges. This concentration prepares students with a curriculum that takes into account the interconnectedness of the economy, society, and the environment.

Career Opportunities

Owning and operating a business
Leadership roles in large multinational corporations
Managing small-to medium-sized firms
Sales and sales management
Positions with U.S. and international governmental agencies
Not-for-profit enterprise management
Human resource management
Employee training and development
Employee recruitment and talent management
Employee relations
Compensation and benefits
Sustainability officer
Sustainability analyst
Sustainable design professional
Environmental research assistant
Sustainability consultant
Energy efficiency analyst
Resource manager

Information and Technology Management Major

The Information and Technology Management (ITM) major prepares students for various careers in the area of business information systems. The curriculum includes a strong business foundation coupled with information technology applications and business systems design and implementation. Graduates with an understanding of both business and technology are in high demand. According to the Nashville Technology Council, the demand for information technology professionals in Nashville increased 120% from 2005 to 2007.

Career Opportunities

Business system analysis and design
User training and education
Computer software/hardware sales
Computer store management
Microcomputer specialists
Database management
EDP auditing
Business consulting services
Data communications

Minors

Students can minor in management, human resource management, international business, and information and technology management. Non-business majors can pursue a minor in general business.

Other events and programs:

- *Annual Career and Networking Event*: Students can network with employers at this event and learn about career opportunities.
- *Society for Human Resource Management (SHRM)*: Students can participate in our SHRM chapter and attend professional meetings with business leaders in the area.
- *Students in Free Enterprise (SIFE)*: Students can participate in our SIFE chapter and attend meetings and compete in regional competitions.
- *Internships*: Students are required to participate in the internship program where students work in a professional environment while earning academic credit. Many also receive financial compensation.
- *Awards of Excellence*: Juniors and seniors majoring in Management or Information and Technology Management can apply for Awards of Excellence to be given at the Annual College of Business Awards Banquet.

Requirements for Majors

Management Major — Corporate Management Concentration

B.B.A. degree program

Total hours required—21 (in addition to BBA requirements on page 139)

Specific courses required—

Management 3403, 390V, and 4403

Concentration courses—

Accounting 4003

Management 4443 and 4453

Three hours selected from:

Management 3623, 4543

Accounting 3553, 4753

Finance 3603

Management Major — International Business Concentration

B.B.A. degree program

Total hours required—21 (in addition to BBA requirements on page 139)

Specific courses required—

Management 3403, 390V, and 4403

Concentration courses—

Business Administration 3603 or Management 4803 (whichever was not taken in the business core)

Marketing 3753

Finance 3603

One foreign language course (minimum 3 hours)

Management Major — Human Resource Management Concentration

B.B.A. degree program

Total hours required—21 (in addition to BBA requirements on page 139)

Specific courses required—

Management 3403, 390V, and 4403

Concentration courses—

Management 4203, 4453, 4653, and 4753

Management Major—Sustainability Management Concentration

B.B.A. degree program

Total hours required—21 (in addition to B.B.A requirements on page 139)

Specific courses required—

Management 3403, 390V, and 4403

Concentration courses—

Economics 3303

Environmental Science 4213

Management 4443

Sustainability 4123

The general education science requirements for this major are fulfilled by students taking the Introduction to Sustainable Energy Sources (SU 2014) and Environmental Biology classes (EV 1013).

Information and Technology Management

B.B.A. degree program

Total hours required—24 (in addition to B.B.A. requirements on page 139)

Specific courses required—

Computer Science 1513, 3213 and 3613

Information Technology 3013, 3023, and 3553

Information and Technology Management 3013, 390V

Requirements for Minors

Management Minor (for all majors)

Total hours required—18

Specific courses required—

Specific courses required—

Management 3403, 3503, 3613, 4403, 4443 and 4453

General Business Minor (for non-business majors)

Total hours required—18

Specific courses required—

Accounting 2503

Business Administration 1013

Economics 2503

Management 3503

Marketing 3503

Three hours selected from upper-division courses in the College of Business

Finance 3503 is highly recommended.

Human Resources Minor (for all majors)

Total hours required—18

Specific courses required—

Management 3503, 3613, 4203, 4453, 4653, 4753

Information Technology Management Minor (for all majors except Information Technology Applications majors)

Total hours required—18

Specific courses required—

Computer Science 1513, 3213, 3613

Information Technology 3013 and 3553

Information and Technology Management 3013

International Business Minor (for all majors)

Total hours required—18

Specific courses required—

Business Administration 3603 or Management 4803

Finance 3603

One foreign language course (three hours)

Management 3503, 4403

Marketing 3753

MANAGEMENT (MG)**3013 Business Statistics (3) F, SP**

The purpose of this course is to cover the fundamentals and primary methods of statistical inference. Topics include statistical applications in business, summarizing data by tabular and graphical presentations, descriptive methods, probability theory, probability distributions, sampling distributions, interval estimation, hypothesis testing single and two sample tests, simple regression and correlation, and multiple regression. Emphasis is on problem solving, applications and interpretation of results. Prerequisites: Mathematics 1113 or higher level Math course, and Information Technology 2043.

3023 Management Science (3) F, SP

The purpose of this course is to enhance the student's ability to employ quantitative methods in the decision making process. Topics included are: decision analysis, game theory, simulation, and Markov processes. Prerequisite: Management 3013.

3403 Servant Leadership (3) F, SP

This course blends servant leadership theory with practice. Through a required weekend retreat and active participation in service-learning projects, students will demonstrate the key dimensions of servant leadership. Students will explore the Biblical underpinnings of popular best seller business books. Guest speakers, such as well-known entrepreneurs and executives, will discuss their integration of faith and service in the workplace.

3503 Principles of Management (3) F, SP, SU

A survey of the basic principles involved in the effective management of a business enterprise which includes planning, organizing, coordinating, and controlling.

3613, 3623 Legal Aspects of Business I and II (3, 3) F, SP, SU

History of legal development; organization of courts and administrative agencies; legal principles involved in the law of agency: bailment, bankruptcy, carriers, contracts, corporations, commercial paper, creditor rights, property, mortgages and liens, insurance, partnerships, sales, crimes, torts, trusts and estates. Prerequisite: Advanced standing in college as upper-division student. Should be taken in sequence.

3803 U.S. Business, Culture and Travel to [insert destination] (3)

The course gives learners the opportunity to travel to major business center(s) in the United States, gaining exposure to a business environment not present in Middle Tennessee. Attention will be given to various business segments, trends, governing/advising bodies, cultural influences, political issues, marketing and service strategies, management approaches, and other factors impacting the transaction of business in the chosen destination. Domestic trip participation is required.

390V Internship in Management (1-3) F, SP, SU

Prerequisite: Permission of professor in charge and academic chair. Open only to juniors and seniors. Repeatable for a maximum of six hours.

401V Independent Study in Management (1-3) F, SP, SU

Independent research of primary and secondary data in a selected topic; topic title to be approved by major professor. Prerequisites: Advanced standing, proven research ability and approval of academic chair. Repeatable for a maximum of six hours.

4203 Training and Development (3) SP

This course examines training and development in organizations. Emphasis is placed on conducting organization and learner analysis and design, development, implementation and evaluation of the training and development process. Prerequisite: Management 3503.

4323 Employee Relations (3) F

Analysis of conceptual and operational problems, policies, and practices related to management of human resources in an organization. Topics include structural, behavioral, and legal environment for management and employee relations and Human Resource practices. Prerequisites: Management 3503 and 4453.

4403 Organizational Behavior: Global Perspectives (3) F, SP

This course focuses on understanding human behavior, primarily in an organizational context, with the applied purpose of helping the student to become a more effective manager, leader, team member, and organizational member in a global setting. Particular emphasis will be given to juxtaposing domestic organizational culture against multiple national and ethnic cultures. In doing so, both the prominent US perspective on the topical areas and the perspectives of other international theorists will be explored. Prerequisite: Management 3503. This course *may satisfy* the SALT Tier II requirement.

4443 Operations Management (3) F, SP

This course focuses on the conversion of resources into usable products and services. Primary emphasis is on practical day-to-day managing of both manufacturing and service-related concerns. Topics covered include simulation, strategic planning, quality control, job design, work measurement, and decision support systems. Prerequisites: Management 3023 and 3503.

4453 Human Resource Management (3) F, SP

The methods and techniques of personnel management will be examined. Emphasis is placed upon proper procedures in recruitment, selection, motivation, promotion, training, performance evaluation, and compensation. An in-depth study of legal aspects of managing people is also covered. Prerequisite: Management 3503. This course *may satisfy* the SALT Tier II requirement.

- 4543 Special Topics in [Insert Area] (3)**
This course is designed to more quickly respond to the ever-changing demands of business by housing one time course offerings that will not likely be frequently repeated. Examples would include classes such as labor relations and collective bargaining, negotiation and conflict management, and family enterprising.
- 4653 Compensation (3) F**
A course designed to explore the theory and practice of compensation and reward systems in organizations. Analysis of compensation strategy, structures, competitiveness, as well as, legal issues in compensation will be addressed. Prerequisites: Management 3503 and 4453.
- 4753 Recruitment, Selection and Retention (3) SP**
A course designed to explore the theory and practice of staffing and retention of human resources in organizations. Focus is on recruitment, selection, and retention of employees in complex organizational environments. Legal issues relating to staffing will also be addressed. Prerequisites: Management 3503 and 4453.
- 4803 Global Business, Culture and Travel to [insert destination] (3)**
This course gives learners international business exposure and a unique cultural experience with an opportunity to encounter firsthand a global business environment including various business segments, trends, governing/advising bodies, cultural influences, political issues, marketing and service strategies, management approaches, and other factors impacting the transaction of business in the chosen destination. International trip participation is required.

BUSINESS ADMINISTRATION (BA)

- 1013 Foundations of Business: A Christian Perspective (3) F, SP**
This course is the introductory course for students majoring in business. The course is designed for students to develop an awareness of God-given strengths. Students will also be exposed to business issues of globalization, entrepreneurship, ethics and social responsibility. A project-based format will be used to introduce students to various business disciplines. Students will also examine potential careers in each business discipline. Participation in a weekend retreat with faculty is required. This course should be taken during the spring semester of the student's freshman year. Transfer students or students who are participating in varsity athletics should speak to their advisor to determine the semester best suited for them to take this course.
- 3603 Fundamentals of International Business (3) F, SP**
Environmental, economic, political, and social constraints on doing business abroad: management problems and operations of an overseas business are discussed. Prerequisites: Economics 2503 and 2513.
- 3703 Management Communication (3) F, SP**
A study of the process of human communication as a basis for managing organizations. Topics include business writing, report writing, the job-search process, writing for effect, and technology-enabled communication. Prerequisites: LU 1103/EN 1113, EN1123 and Communication 1003. This course *may satisfy* the SALT Tier II requirement.
- 4503 Business Policy and Strategy (3) F, SP, SU**
Study of the development of company policy and strategy; impact of a company's internal and external environment on strategic decisions: case practice in analyzing and formulating business policy and strategy. An integrating experience to be taken in the final semester. Prerequisite: Senior standing and Business Administration 3603 (or equivalent College of Business travel course) and 3703, Finance 3503, Information Technology 2043, Management 3503, and Marketing 3503. This course *may satisfy* the SALT Tier II requirement.

INFORMATION AND TECHNOLOGY MANAGEMENT (ITM)

- 3013 e-Business Strategy and Implementation (3) F**
This course is designed to provide students with a managerial perspective of e-business strategies and issues. Topics covered include Internet consumer behavior, business-to-business exchanges, e-commerce models and applications, online security, payment systems, legal, ethical, and compliance issues, and e-commerce strategy and implementation. Prerequisite: junior standing and IT 2043.
- 390V Internship in Information and Technology Management (1-3) F, SP**
Field work in an approved internship that meets expectations of internship requirements set by the Career Development Center and the department. Open to only juniors and seniors. Repeatable for a maximum of six hours. Prerequisite: Permission of the academic chair.
- 4543 Special Topics in [Insert Area] (3)**
This course is designed to more quickly respond to the ever-changing demands of business and the technology environment by housing course offerings that will not likely be frequently repeated.



Allen Bell Tower

Department of Marketing

John E. Crawford, *Professor and Academic Chair*

George W. Boulware, *Professor*

Randy A. Steger, *Professor*

The mission of the Department of Marketing is to prepare students for the challenging task of helping organizations enter into mutually beneficial relationships with customers, whatever their nature. To this end, the major programs of study are designed to acquaint students with business philosophies and activities that enable students to understand the ever-changing consumer groups of many types of organizations, whether profit or non-profit in orientation, manufacturing or service in product type, public or private in ownership. Further, students are expected to develop an understanding of important marketing activities through course related activities and then apply and practice those activities through projects, papers, and internships.

Distinctives of the Marketing Department

The Department of Marketing offers majors in Marketing and Marketing-Graphic Arts.

With the basic Marketing degree, you will learn how to bring a product or service from idea to acceptance and practice how to gain a competitive edge in the market place (and in your career). With the Marketing-Graphic Art major you can combine your passion for creativity with the business knowledge needed for success in today's business world.

Recent marketing student achievements at Lipscomb University include such things as: winning the NCAA "PACK the House" A-Sun Conference marketing competition, working with local Nashville businesses on real-life marketing projects, and finding high quality internships with national firms.

Marketing degrees can be applied to almost every occupational field. Students at Lipscomb often find entry or advancement opportunities in advertising agencies, PR firms, corporate marketing departments, marketing research, brand management, sales, and customer relationship management. There are also career opportunities in non-profit organizations such as registered charities, arts groups, and special interest communities.

Marketing Major

For students wishing to prepare more generally for a career in marketing, the B.B.A. marketing major is available to give students a course of study that is managerially oriented and provides students the full complement of conceptual and quantitative courses necessary to prepare for managerial positions in business.

Marketing-Graphic Arts Major

The Department of Marketing also offers a B.S. degree that combines most of the curriculum of the traditional marketing major with a minor in Graphic Design (offered by the Department of Art) to provide students with the opportunity to develop specific knowledge, abilities, and skills that can be used to assist firms with a variety of marketing communication tasks. This major is particularly designed for students with an interest in a marketing major who also desire to develop artistic and communication abilities for use in a business setting. In the Marketing-Graphic Arts major it is anticipated that students will develop a portfolio of graphic design work that can be presented to prospective employers to demonstrate the students' capabilities.

Other events and programs:

- *Annual Career and Networking Event*: Students can network with employers at this event and learn about career opportunities.
- *Internships*: Students are encouraged to participate in the internship program where students work in a professional environment while earning academic credit. Many also receive financial compensation.
- *Awards of Excellence and Scholarships*: Juniors and seniors majoring in Marketing can apply for Awards of Excellence and scholarships to be given at the Annual College of Business Awards Banquet.

Marketing Career Opportunities

Assistant product managers
Marketing research assistants
Field sales representatives
Advertising copywriters
Media buyers
Retail buyers

Marketing-Graphic Design Career Opportunities

Designing marketing materials (point-of-purchase displays, billboards, brochures, postcards, etc)
Designing visual aids to use in professional sales presentations to potential clients
Advertising agencies and firms that do in-house creative work
Package design

Requirements for Majors

Marketing Major

B.B.A. degree program

Total hours required—21 (in addition to the BBA requirements on pg. 139)

Marketing 3533, 3543, 3573, 3553, 390V*, 4543, 4563

*or Marketing 3753

Minors **strongly** recommended for students completing the B.B.A. marketing major include Web Design and Public Relations

Marketing-Graphic Arts Major

B.S. degree program, required courses as outlined below

Total hours required—78* (60 in the major, 18 in the minor)

Specific courses required—

Accounting 2503

Art 1722, 1411, 3713, 3773, choice of 3 additional courses in graphic design (9 hours)

Business Administration 1013, 3603, 3703, 4503

Economics 2503, 2513

Finance 3503

Information Technology 2043

Management 3013, 3503, 3613

Marketing 3503, 3533, 3553, 3543, 3573, 390V (3 hours), 4543

Mathematics 1113 or higher

*A minor in graphic design is satisfied with this degree program.

Although Managerial Accounting (AC 2513) is not required of B.S. Marketing-Graphic Arts majors, it is highly recommended.

Requirements for Minor

Marketing Minor

Total hours required—18

Specific courses required—

Economics 2503

Marketing 3503

Twelve hours of electives in Marketing

MARKETING (MK)

3503 Principles of Marketing (3) F, SP, SU

A general survey of the marketing function of the American business community, including an analysis of the roles, methods, costs, and problems of the farmer, manufacturer, wholesaler, broker, retailer, and other middlemen in the marketing of goods and services.

Prerequisite: Sophomore standing.

3533 Marketing Management (3) F, SP

An advanced study of the practices and policies of sales and marketing management in major business firms; including study of markets, market trends, sales organization, sales planning, sales promotion, advertising, and consumer relations. Some attention is also given to salesmanship. Prerequisite: Marketing 3503 with a grade of "C" or above.

3543 Professional Selling (3) F, SP

This course covers the fundamentals of selling, sales theory, sales techniques, and sales role playing. The personal qualifications required for effective selling are reviewed. Students are required to give sales presentations. Prerequisite: Marketing 3503 with a grade of "C" or above.

3553 Promotional Strategy (3) F, SP

Analysis of the uses of various promotions in formulating an overall consumer communication strategy. Topics include advertising, publicity and sales promotion, creative strategies, evaluation of results, and the advantages and disadvantages of differing types of media and vehicles in reaching the target audience. Prerequisite: Marketing 3503 with a grade of "C" or above.

3573 Consumer Behavior (3) F, SP

A study of the influence of social and psychological factors upon the behavior of buyers. Topics include the consumer decision process and how it impacts marketing strategy. Prerequisite: Marketing 3503 with a grade of "C" or above.

3753 Global Marketing (3) SP

A study of marketing practices in companies operating globally with emphasis on the economic, political and cultural differences among nations. Topics include strategic planning and organizing for international marketing – including pricing, product, promotion, and distribution practices. Prerequisites: MK 3503 with a minimum grade of "C".

3803 U.S. Business, Culture and Travel to [insert destination] (3)

The course gives learners the opportunity to travel to major business center(s) in the United States, gaining exposure to a business environment not present in Middle Tennessee. Attention will be given to various business segments, trends, governing/advising bodies, cultural influences, political issues, marketing and service strategies, management approaches, financial institutions, money and capital centers, and other factors impacting the transaction of business in the chosen destination. Domestic trip participation is required. Prerequisite: Marketing 3503 with a grade of "C" or above.

390V Internship in Marketing (1-3) F, SP, SU

Prerequisite: Permission of professor in charge and/or academic chair prior to registration. Junior or senior standing and Marketing 3503 with a grade of "C" or above.

401V Independent Study in Marketing (1-3) F, SP, SU

Independent research using primary and secondary data in a selected topic; topic title to be approved by major professor and/or academic chair; paper to be kept on file. Course may be repeated. Prerequisites: Advanced standing, proven research ability, and approval of departmental staff prior to registration. Repeatable for a maximum of six hours. Prerequisite: Marketing 3503 with a grade of "C" or above.

4543 Special Topics in Marketing (3) F, SP

This course covers a variety of topics not covered, or only lightly covered, in other marketing courses. Examples of topics that may be included are: e-commerce, relationship marketing, service marketing, and business-to-business marketing. Students are expected to complete reading assignments in the various topics and to participate in discussions in a seminar atmosphere. Prerequisite: Marketing 3503 with a grade of "C" or above.

4563 Marketing Research (3) F, SP

A study of research methods and techniques applicable to problem solving in marketing. Topics include the planning and execution of market research projects, primary and secondary data collection, use of statistical methods, questionnaire design, interview methods, sampling tabulation, and report writing. Prerequisites: Marketing 3503, Management 3013 with a grade of "C" or above.

4803 Global Business, Culture and Travel to [insert destination] (3)

This course gives learners international business exposure and a unique cultural experience with an opportunity to encounter firsthand a global business environment including various business segments, trends, governing/advising bodies, cultural influences, political issues, marketing and service strategies, management approaches, and other factors impacting the transaction of business in the chosen destination. International trip participation is required. Prerequisite: Marketing 3503 with a grade of "C" or above.

College of Education

Candice D. McQueen, *Dean*

Deborah M. Boyd, *Associate Dean*

Carole English, *Director of Teacher Education and Assessment*

The College of Education is composed of both the undergraduate and graduate programs. The college's teacher education program, at both the undergraduate and graduate levels, is nationally accredited at the highest level by the National Council for Accreditation of Teacher Education and serves an increasing number of students each year.

The College of Education plans to continue this tradition of excellence, but has set an even greater mission - a mission that includes not only providing exceptional service to the local Lipscomb community, but also exceptional service to the broader community in which we live. At its core, the College of Education is dedicated to improving educational opportunities for all students by educating teacher-leaders, engaging with the community, and enriching the lives of future and current teachers.

On a daily basis, the College of Education strives to educate teacher-leaders who know how to infuse best teaching practices in every classroom and use data to make instructional decisions and who can influence others to do the same. One of the college's primary focus areas is community engagement. The college has been awarded multiple grants in recent years to work with current teachers to improve their knowledge and skills in the classroom. A Maymester course (Cultural Perspectives) is offered each year. The destination is on an alternating schedule between Pine Ridge, South Dakota, and Lima, Peru.

Graduate Programs in Education

The College of Education offers master's and doctoral (Ed.D.) programs. The Master of Education (M.Ed.) major emphases are Educational Leadership (administration); Teaching, Learning, and Leading (non-administration); Instructional Technology; and Math Specialty. The Master of Arts (M.A.) degrees with concentrations in Learning and Teaching (initial licensure) and Special Education as well as the Master of Arts in Teaching (M.A.T.) English Language Learners degrees are designed as cohort learning communities (conditionally approved by the state of Tennessee). All of the graduate education programs have convenient evening and weekend classes. We also offer some M.Ed. courses online. Due to the diversity of elective courses available, individuals holding bachelor's degrees in a variety of disciplines may also seek initial teacher licensure concurrent with their pursuit of the master's degree. For further information, contact Dr. Deborah Boyd, Director, at 615-966-6081 or deborah.boyd@lipscomb.edu.



Students enjoy a sunny spring day on campus.



Dr. Candice McQueen, Dean, College of Education

Department of Education

Junior High, *Professor and Director of Undergraduate Education*
Carole English, *Director of Teacher Education and Assessment*

Monte Betz, *Professor*

Coby Davis, *Assistant Professor*

Candice McQueen, *Associate Professor*

Keith Nikolaus, *Professor*

Laura Snyder, *Visiting Professor*

Marcia C. Stewart, *Professor*

Carrie H. Thornthwaite, *Professor*

The mission of the College of Education is to serve and inspire students so that they master the knowledge, attitudes, and skills needed to become caring and competent educators in a diverse and technological society. The college offers undergraduate and graduate programs built upon the conceptual framework of C.A.R.E. — Craft of Teaching, Attitudes and Values, Relationships and Essential Knowledge. Courses are designed to meet Tennessee licensure and NCATE standards.

The College of Education cooperates with various academic departments to offer the K-6 interdisciplinary teaching major, the 4-8 interdisciplinary middle grades teaching major, and six grades 7-12 teaching majors. Several academic departments also provide preparation for teaching K-12 in areas such as art, theater, health and physical education, instrumental and vocal music, French, German, and Spanish. Students in secondary (grades 7-12) education will be expected to complete a teaching major in the content subject or area in which they plan to teach. One may also elect to complete state requirements for endorsement in additional high school subjects. Undergraduate students completing K-6 programs may work toward either the Bachelor of Arts or the Bachelor of Science degree.

The Teacher Education program at Lipscomb University is approved by the Tennessee State Board of Education and nationally accredited by the National Council for Accreditation of Teacher Education.

Distinctives of the Undergraduate Education Department

Because of Lipscomb's location in the metropolitan Nashville area, students majoring in education have available to them a wealth of professional resources and opportunities. Lipscomb education majors enjoy a variety of placements in schools in Metro Nashville and neighboring counties. Special opportunities include magnet schools and schools with large English language learner populations. Members of the education faculty invest their time and experience in the professional lives of their students, providing opportunities to learn and grow beyond the Lipscomb classroom.

Since the department emphasizes in-school experience, our students visit and participate in area school activities throughout their education at Lipscomb. In addition, our students and faculty jointly make alternating annual trips in May to work in a two-week program with Native American students in South Dakota or with Spanish-speaking students in Lima, Peru. This program is offered in the two locations as part of the Cultural Perspectives course.

Career Opportunities

A teacher education degree prepares one for several types of service:

Teaching in Elementary and Middle Schools

High School Teaching

K-12 Teaching

Consultants to publishers and industry

Liaison between community services and schools

Educational positions in industry

Teaching in foreign countries

Adult education

Child-care centers

Church kindergartens

Administrators of children's homes

Educational directors for local congregations

Bible school teachers

A teaching degree also serves as a foundation for rearing children in the home

Teaching Majors

Admission Requirements

The initial step for all students interested in being admitted to the Teacher Education Program is to enroll in and successfully complete Education 2312, Schooling in America, which includes a retreat at the beginning of the course.

Specific admission criteria include successful completion of both LU Seminar and EN 1123 courses; Education 2312 Schooling in America; attainment of acceptable scores on the Preprofessional Skills Test (PPST or PRAXIS I) or ACT; a 2.50 grade-point average; an interview; references; an autobiography and beginning of a professional portfolio; evidence of mental, physical, social, emotional, and moral maturity; approval by the Teacher Education Council; and a clean criminal background and fingerprinting check.

Upon successful completion of the above requirements, a student may be formally admitted to the program.

The capstone experience for students seeking a teacher education major and licensure is the successful completion of student teaching, the student teaching seminar, a professional portfolio assessment, completion of a student teaching unit that demonstrates student learning, and an exit presentation and interview.

Licensure Requirements

Students planning to teach in states other than Tennessee should contact the Office of Teacher Education for requirements which may vary from those in Tennessee and at Lipscomb. In order to be recommended for licensure by Lipscomb University a student must complete the following requirements. (These requirements may be changed as mandated by the State of Tennessee.) In addition to the following requirements, the candidate must pass all PRAXIS II exams related to the major area.

Note: No grade below a "C" is acceptable in a professional education course. A minimum grade-point average of 2.50 is required.

I. General Education Courses Required for Secondary and K-12 Teacher Education Programs

Art 1813 OR Music 1503 (Art and Music teaching majors see check sheet)

Biology 1003 (Biology majors see check sheet)

Chemistry 1013 or Physics 1003 or 1013 (science teaching majors take both; Health and Teaching majors take Chemistry)

Communication 1003

English 1123 and 2153 or 2163 (English teaching majors take 2153)

Health 3302 (Health and PE majors see check sheet)

History 1013 or 1023 (History teaching majors take both)

Lipscomb Seminar 1103

Mathematics 1043

Note: For secondary and K-12 majors this requirement may also be satisfied by establishing credit in Mathematics 1113 or a higher level course. Secondary mathematics majors do not take MA 1043.

Physical Education 2001 and one additional activity course

Psychology 1113 and 3243

Sociology 2103

Social Work 3113 or Education 3343

II. A. Core Professional Education Courses for Secondary and K-12 Teacher Education Programs

Education 2312, 3332, 3354, 3512, 3623, 4402, 442C or 443C

Education 3302 (7-12 majors only)

Teaching Resource Seminar in respective department

NO GRADE BELOW "C" WILL BE ACCEPTED FOR ANY PROFESSIONAL EDUCATION COURSE. For other academic requirements, consult the *Teacher Education Handbook*.

B. Specialized Professional Courses

(see each major)

Note: Students must take and pass the PRAXIS II national teacher's exam in order to be recommended for licensure

III. Requirements for Specific Secondary and K-12 Teaching Majors

Visual Arts Teaching Major — see page 73

Biology Teaching Major — see page 110

Chemistry Teaching Major — see pages 115

Elementary Education — K-6 Licensure — see page 161

Middle Grades Education -- 4-8 Licensure -- see page 161

English Teaching Major — see page 90

French Teaching Major — see page 94

German Teaching Major — see page 94

Health and Physical Education Teaching Major — see page 194

History Teaching Major — see page 100

Mathematics Teaching Major — see page 120

Music Teaching Majors (Instrumental and Vocal) — see page 78

Physics Teaching Major — see page 123

Spanish Teaching Major — see page 94

Theater Teaching Major — see page 84

The program in teacher education is developmental in nature. It is outlined as a tier system and must be followed closely. Exceptions must be approved by the Director of Teacher Education.

Tier 1 – Exploring the Profession

- Tier 2 – Education 2312
Knowing about the Profession (Admission to the program required)
Education 3302, 3332, 3354, 3363 (K-6 only), 3404, 3623
English 3043
Social Work 3113 or Education 3343
Psychology 3243
- Tier 3 – Modeling the Profession
Education 3476, 3532, 3534 (K-6) or 3512 (K-12 or 7-12)
Teaching Resources Seminar or Methods/Materials (K-12 or 7-12)
- Tier 4 - Practicing the Profession
Education 441C Student Teaching
Education 4402 Student Teaching Seminar

K-6 Licensure Program

General Studies: Interdisciplinary Teaching Major (licensure K-6)

B.A. or B.S. degree program

- I. General Education for K-6 Licensure Program
 - Art 1813 or Music 1503
 - Bible 1073, 1083, 1093 and 3213 or 3433 or 421V plus electives (total of 18 Bible hours)
 - *Biology 1003, 3612, 3712
 - *Chemistry 1013
 - Communication 1003
 - English 1123, 2153 or 2163
 - Health 3302
 - History 1013 or 1023
 - Lipscomb Seminar 1103
 - Mathematics 1043, 1053, 3053
 - Physical Education 2001 and one activity course
 - *Physics 1003 or 1013
 - Psychology 1113
 - Sociology 2103
- *SCI 1003 and SCI 1013 - These two courses offer a general education option that integrates Biology 1003, Chemistry 1013, and Physics 1003 or 1013. These two SCI sections will substitute for the courses noted above.
- II. Professional Education for K-6 Licensure Program
 - Education 3476, 3534, 3532, 441C, 4402
- III. Interdisciplinary Major
 - Art 3513 or Music 3203 or Theater 3413
 - Education 2312, 3302, 3332, 3354, 3363, 3404, 3623
 - English 3013
 - History 2213 or 2223 and 3323
 - Physical Education 3323
 - Psychology 3243
 - Social Work 3113 or Education 3343

4-8 Licensure Program

General Studies: Interdisciplinary Middle Grades Teaching Major (licensure 4-8)

B.A. or B.S. degree program

- I. General Education for 4-8 Licensure Program
 - Pending Approval from the State of Tennessee Department of Education, students may seek middle grades licensure (grades 4-8 general ist endorsement) by majoring in the General Studies Interdisciplinary Middle Grades teaching major beginning in fall 2010.
 - Art 1813 or Music 1503
 - Bible 1073, 1083, 1093 and 3213 (2) or 3433 (2) or 421V (2) plus electives (total of 18 Bible hours)
 - *Biology 1003, 3712
 - *Chemistry 1013
 - Communication 1003
 - English 1123, 2153 or 2163
 - Health 3302
 - History 1013 or 1023
 - Lipscomb Seminar 1103 or English 1113
 - Mathematics 1043, 3053
 - Physical Education 2001 and on activity course
 - *Physics 1003 or 1013
 - Psychology 1113
 - Sociology 2103
- *SCI 1003 and SCI 1013 - These two courses offer a general education option that integrates Biology 1003, Chemistry 1013, and Physics 1003 or 1013. These two SCI sections will substitute for the courses noted above.
- II. Professional Education for 4-8 Licensure Program
 - Education 3476, 3532, 4402, 441C, 3504, 3723
- III. Interdisciplinary Major
 - Art 3513 or Music 3203 or Theater 3413
 - Education 2312, 3302, 3623, 3332, 3354
 - English 3013
 - History 2213, 2223 and 3323
 - Mathematics 1113, 2183
 - Physical Education 3323
 - Psychology 3243
 - Social Work 3113 or Education 3343

Praxis II Required: All content area tests must be passed BEFORE student teaching.

Requirements for Minor

Education Minor

The initial step for all students interested in the Education Minor is to enroll in and successfully complete ED 2312, Schooling in America. All Education minors must maintain a 2.5 GPA and have at least an ACT score of 22 or acceptable scores on the Preprofessional Skills Test (PPST or PRAXIS I). In addition, Education minors will complete a professional portfolio as directed in their education courses.

Total hours required—18

Specific courses required—

Education 2312, 3332, 3354, 3623

Psychology 3243

Four hours in one of the emphases listed below:

Elementary Education emphasis

Education 3404

Secondary School Emphasis

Education 3302, 3512

English as a Second Language (ESL) Endorsement

Students seeking an initial teaching license (K-6, 4-8, K-12 or 7-12) can also seek an ESL (English as a Second Language) endorsement to add to the initial teaching license by successfully completing the following requirements:

6 hours of Foreign Language

Foreign Language 4514

Social Work 3113 or Education 3343

Education 3623

Praxis II Required: In addition, students seeking the ESL add-on endorsement will have to pass the ESL Praxis II exam and complete a field placement in an ESL/ELL classroom during student teaching.

Requirements for Non-Teaching Major

General Studies: Interdisciplinary Non-teaching Major

B.A. or B.S. degree program

General Education hours required—

Biology 1003, 3612, 3712

Chemistry 1013

Communication 1003

English 1123

Lipscomb Seminar 1103 (or EN 1113)

Mathematics 1043, 1053, 3053

Physical Education (one activity course and PE 2001)

Physics 1013 or 1003

Psychology 1113, 3243

Social Work 3113

Major courses required—

Art 1813 or Music 1503

Art 3513

English 1123, 2153 or 2163, 3013, 3043

Health 3302

History 1013 or 1023, 2213 or 2223, 3323

Lipscomb Seminar 1103 (or EN 1113)

Music 3203

Physical Education 3323

Sociology 2103

Fourteen hours selected from 3000 or 4000 level courses in humanities.

A minor must be selected from one of the following areas: Art, Drama, Ethics, French, German, Greek, Hebrew, Music, Philosophy, Spanish, Theology, or Education.

EDUCATION (ED)

2312 Schooling in America (2) F, SP

This course offers an orientation to the teacher education program at Lipscomb as well as to the social, historical and philosophical foundations of American education. The course is the prerequisite to all other education courses and is to be taken by the end of the sophomore year. This course must be taken at Lipscomb University. Students enrolled in ED 2312 are required to attend a mandatory teacher education initiation retreat early in the semester. The specific days(s) will be listed when registering for the class.

3302 Educational Assessments (2) F, SP

This course addresses the development, administration, scoring, and interpretation of various types of assessments used to measure cognitive, affective, and psychomotor learning outcomes. Prescriptive teaching strategies will be developed based on assessment results. Emphasis will be placed on using non-biased, reliable, and valid assessment data to meet the individual needs of learners. Prerequisite: Admission to the program.

3332 The Exceptional Child (2) F, SP, SU

Provides an overview of federal laws concerning the education of exceptional children. Categories of exceptional children are discussed, with an emphasis on inclusion, characteristics, teaching methods, teacher attitude, and individualized education programs. Required practicum hours outside of class to be arranged. Required for all teaching majors. Should be taken early in program. Prerequisite: Admission to program.

3343 Cultural Perspectives in Education (3) SU

A trip into a culturally diverse environment will be taken. Significant time will be spent in school settings. Journal writing, readings, and a reflection paper will be assigned before, during and after the trip. Travel fee will be extra. Offering is subject to availability. May be taken in place of Social Work 3113. Prerequisite: Admission to program.

3354 Classroom Management and Middle School Education (4) F, SP

Classroom management techniques necessary for effective teaching are presented. Attention is given to practical aspects of teaching such as discipline, communication and interpersonal relationship skills, classroom environment, use of time, and evaluative procedures. Attention will be given to the middle school concept, team planning, support skills, and methods of instruction appropriate to the pre-adolescent learners. A field experience will be required. Prerequisite: Admission to the program. This course *may satisfy* the SALT Tier II requirement.

3363 Books: Passport to Adventure (3) F, SP

This course is an in-depth look into how to create a literature-based classroom that integrates language and learning. The course will inform pre-service teachers about how to use trade books to support inquiry and learning in all areas of the curriculum. In addition, the course will expose pre-service teachers to all genres of children's literature as well as equip them with ideas about how to use these books to conduct

- read-alouds, book talks, mini-lessons, enrichment in content areas, and as a model for classroom writing instruction and writer's workshop. Prerequisite: Admission to the program.
- 3404 Primary Education (4) F, SP, SU**
Focuses on designing developmentally appropriate activities that meet cognitive, socio-emotional and physical needs of primary learners. Additional topics of study are emergent literacy, learning centers, and parent involvement. Students will design a Back-to-School notebook with detailed procedures for the beginning of a school year. Includes a field experience in a primary classroom. Prerequisite: Admission to the program.
- 3476 Reading and Language Arts (6) F, SP**
This course is an in-depth look into research on how children become literate and the practical implications of this research for teachers. It focuses on equipping future teachers with the theoretical knowledge and pedagogical skills that will help them make appropriate instructional decisions as they teach children to become adept readers and writers. Assessment and diagnosis of the literacy strengths of a student and appropriate remediation techniques will be developed. A major field experience is required. Should be taken later in program. Prerequisite: Admission to program.
- 3504 Learning Strategies in Middle Schools (4) (Offered on demand.)**
This course focuses on effective teaching strategies for adolescent learners, with specific focus on whole child development. The process of selecting and implementing appropriate strategies based on student needs, subject matter, and objectives is emphasized. Students will create and teach at least one unit of study with formative and summative assessments in a long-term field experience. Prerequisite: Education 3476. To be taken the semester before student teaching.
- 3512 Learning Strategies in Secondary Schools (2) F, SP**
Analysis of various methods and the basic factors in the teaching-learning process are considered in the light of principles of learning and adolescent behavior. This course includes observation and participation in classroom settings. Required practicum to be arranged. Required for 7-12 and K-12 licensure. To precede student teaching. Prerequisite: Admission to program.
- 3532 Math Methods (2) F, SP**
This course will create proficiency in principles of learning and teaching mathematics to diverse populations of elementary and middle school students. Candidates will learn to prepare instructional materials and create laboratory experiences that relate principles to practice. Prerequisite: Admission to the program. This course *may satisfy* the SALT Tier II requirement.
- 3534 Learning Strategies in Elementary Schools (4) F, SP**
Effective teaching strategies are presented with a focus on science and social studies. The process of selecting and implementing appropriate strategies based on student needs, subject matter, and objectives is emphasized. Includes a unit of study on English Language Learners. For the practicum experience, candidates are placed in schools with a high percentage of students for whom English is a second language. Required practicum to be arranged. Take the semester before student teaching. Prerequisite: Education 3476 and admission to program.
- 3623 Best Practices (3) F, SP**
This course is designed to educate future teachers in the most effective teaching practices according to recent research and to promote teaching as a ministry in the context of our Christian mission. These practices are related to technology, parent and community involvement, student motivation, instructional resources and content area instruction. Candidates will work with exemplary educators in multiple content areas during the course. In addition, the course includes a long-term field experience in which students work weekly in schools. This course should be taken later in Tier II. Prerequisite: Admission to program.
- 3723 Content Area Reading (3) (Offered on demand.)**
This course is designed for educators in all content areas in grades 7-12. The content includes information on the research basis, definitions of strategic reading in the content areas, and formats for working within those essential components of reading/learning strategies. Class participants will learn and practice reading/learning strategies that can be used in classrooms. Course objectives and topics are aligned with Tennessee's teacher candidate standards for reading and research from the National Reading Panel (2000), the National Reading Conference (NRC), and the International Reading Association. Prerequisite: Education 3476.
- 4402 Student Teaching Seminar (2) F, SP**
This course is taken concurrently with student teaching. The seminar meeting dates include days at the beginning, middle, and end of the student teaching semester. Students will be required to attend all sessions, provide required documentation, and participate in activities related to each major objective. Corequisite: Education 441C, Education 442C, or Education 443C.
- 441C Student Teaching in Elementary Schools (12) F, SP**
Observation and directed teaching for a minimum of 15 weeks in assigned public schools under the supervision of a cooperating teacher and university supervisor. Each student will be placed in two contrasting classroom settings. Required of all students planning to teach in grades K-6. Application package must be submitted no later than the last day of exams two semesters prior to student teaching. Prerequisite: Admission to program. Corequisite: Education 4402. Effective Spring 2010, a \$350 fee will be added to tuition during student teaching.
- 442C Student Teaching in Secondary Schools (12) F, SP**
Observation and directed teaching for a minimum of 15 weeks in assigned public schools under the supervision of cooperating teacher and university supervisor. Each student will be placed in two contrasting classroom settings. Required of all students planning to teach a specific discipline in secondary schools. Application package must be submitted no later than the last day of exams two semesters prior to student teaching. Prerequisite: Admission to program. Corequisite: Education 4402. Effective Spring 2010, a \$350 fee will be added to tuition during student teaching.
- 443C Student Teaching in K-12 (12) F, SP**
Observation and directed teaching for a minimum of 15 weeks in assigned public schools under the supervision of cooperating teachers and university supervisor. Each student will be placed in two contrasting classroom settings. Required for K-12 licensure in art, foreign language, music, theater, and health/physical education. Application package must be submitted no later than the last day of exams two semesters prior to student teaching. Prerequisite: Admission to program. Corequisite: Education 4402. Effective Spring 2010, a \$350 fee will be added to tuition during student teaching.
- 450V Independent Study in Education (1, 2, 3) F, SP, SU**
This course is designed to offer variable credit of one, two, or three hours according to individual need. Permission of academic chair required. Prerequisite: Admission to program.
- 46nV Special Topics (1-3)**
Selected topics from the field of education are offered. The format of the course is determined by the topic. Field experiences may be required. Prerequisite: Permission of instructor. Offered as needed.



Enjoying a study break on the steps of Burton Health Sciences Building.

The Raymond B. Jones College of Engineering

Fred T. Gilliam, *Dean*

Engineers solve problems. They apply science, mathematics, and creativity to invent, design, test, build, and operate engineering systems that will meet the needs of society. In the latter half of the 20th century, engineers developed the personal computer, the space shuttle, artificial hearts, cellular phones, and many other “high-tech” products. The opportunities to use technology for the benefit of 21st century society will be even greater.

The Raymond B. Jones College of Engineering provides students with an excellent opportunity to prepare for an exciting engineering career in an educational environment that also encourages Christian character and spiritual growth. In creating this opportunity for students, Mr. and Mrs. Raymond Jones have built upon the original goals of Lipscomb University that “such other branches of learning may be added ... as will promote usefulness and good citizenship among men.” In keeping with that goal, graduates of the Raymond B. Jones College of Engineering will be challenged to use their engineering education for the betterment of society, their profession, and their church.

The Raymond B. Jones College of Engineering consists of the following academic departments: Department of Civil and Environmental Engineering, Department of Computing and Information Technology, Department of Electrical and Computer Engineering, and Department of Mechanical Engineering. The College offers seven majors that lead to a bachelor of science degree from Lipscomb University. The seven majors include two, Engineering Mechanics and Computer Engineering, that are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). The other majors offered in the Raymond B. Jones College of Engineering are: Civil Engineering, Computer Science, Information Technology Applications, Web Application Development, Mechanical Engineering, and Electrical and Computer Engineering. ABET evaluation of the programs in Mechanical Engineering and Electrical and Computer Engineering were conducted during the fall of 2009, and the results of that evaluation will be received during the late summer of 2010.

In addition to the academic majors offered within the Raymond B. Jones College of Engineering, students have the opportunity to participate in Dual Degree programs that lead to a Bachelor of Science from Lipscomb University and an ABET accredited engineering degree (in engineering disciplines not offered at Lipscomb) from another university. Specific dual degree programs are available with Tennessee Technological University and Vanderbilt University; individual programs can be developed for students who are interested in schools of engineering other than those specified above.

The educational programs offered by the Raymond B. Jones College of Engineering are designed to prepare students for a rewarding professional career and to support the mission of Lipscomb University and the mission of the Raymond B. Jones College of Engineering. Each program is monitored by the faculty in order to continually improve the curriculum and the overall preparation of each graduate.

Mission Statement for the Engineering Programs:

The mission of the engineering programs at Lipscomb University is to prepare its students for engineering careers guided by a Christian understanding of the mission, methods, and structure of their profession and of the world they will serve.

Engineering (ENGR) Courses

Courses bearing the ENGR prefix are courses designed for multiple engineering majors, although they may be required within certain majors. These courses may be taught by faculty members from any department in the Raymond B. Jones College of Engineering, and certain courses may be taught by faculty members in other colleges.

ENGINEERING (ENGR)

1114 Introduction to Engineering (4) F

An introduction to the profession of engineering: its history, role, disciplines, and functions. Engineering ethics, life-long learning, engineering teams and teamwork. Engineering design including a series of projects that are designed, built and tested against design requirements. Engineering graphics including sketching and CAD. Fundamental concepts of engineering mechanics are introduced including forces, equilibrium, dynamics, strength and stress. Corequisite: Mathematics 1123. Lecture, 2 hours; laboratory 2 two-hour labs.

1123 Fundamentals of Engineering Design (3) SP

Fundamentals of engineering mechanics and of computer engineering are presented, and designs involving both are carried out by student teams, starting with performance specification formulated by the instructor, and culminating in a set of fabrication drawings and specifications prepared by student teams. Prerequisite: Engineering 1114. Lecture, 2 hours; laboratory, 3 hours.

2513 Engineering Computer Applications (3) F

Introduction to the use of engineering computational tools, as well as a review of basic vector and matrix operations. A major component of this course is the design and implementation of MatLAB programs. Prerequisites: Engineering 1123 with a minimum of “C” (or equivalent) and satisfaction of Information Technology Proficiency requirement. Lecture, 3 hours.

3122 Appropriate Technology in Engineering Missions (2) SP

The purpose of this course is to prepare students biblically, culturally, and with engineering skills to effectively use appropriate technologies to serve those in developing countries in a Christian mission situation, and to develop in each student the vision for living a missional lifestyle as Christian engineers. The student will need to go on at least one engineering mission trip during or at the end of the semester to receive credit for the course. Prerequisites: Physics 1013, 1224, or 2424 and Chemistry 1013, 1113, or 1144. Lecture, 3 hours. This course *may satisfy* the SALT Tier II requirement.

3303 Applied Mathematics (3) F

Partial differential equations, vector calculus, Fourier analysis, orthogonal functions, elementary matrices, applications of complex variables, Cauchy theorem, residues, and infinite series. Prerequisites: Mathematics 3133. Lecture, 3 hours.

3513 Introduction to Control Systems (3) F

Classical feedback control systems for continuous time systems. Block diagrams and performance and stability criteria. Root locus, frequency methods, and state space approach. Prerequisites: Electrical and Computer Engineering 2013 or 2214, Mechanical Engineering 2013 or 2123, Mathematics 3133. Lecture, 3 hours.

- 395V Topics in Engineering (1-5)**
Selected topics from an engineering discipline in either lecture- or laboratory-oriented format, depending on the specific topic selected. Course may be repeated for credit. Prerequisite: Consent of instructor. Offered on demand.
- 398V Engineering Practicum (1-3)**
Work experience in an engineering environment pre-approved by the student's advisor. The student is required to make periodic reports during the semester to a member of the engineering faculty designated by the appropriate academic chair, culminating in a comprehensive practicum report. Credit will be determined by the student's academic chair based on the content of the proposed work experience. This course may be repeated for credit with departmental approval up to a maximum total of 3 credits. Prerequisites: Engineering 1123, and Electrical and Computer Engineering 2223 or Mechanical Engineering 2123. Credit 1 to 3.
- 481V Engineering in the Developing World Practicum (1-3)**
Engineering mission trip project participation. Planning design and construction of engineering systems to meet the needs of people in developing nations. Credit received depends on the degree of involvement and the level of responsibility in the engineering project. This course may be used as a technical elective in engineering curricula if there is a high level of engineering design responsibility and you receive prior approval from your engineering department head. Prerequisite: Consent of instructor.
- 4942 Design Process Management (2) F**
This course is intended to equip the student with a basic understanding of project management techniques, including work breakdown structures, scheduling, and resource management. It will also incorporate topics related to environment, reliability, and safety. As part of this course, the students will develop the proposal and concept for the project to be completed during Interdisciplinary Design Project. Corequisite: Mechanical Engineering 3812 or Electrical and Computer Engineering 4823, lecture/lab/recitation; 3 hrs, Credit 2.
- 4953 Interdisciplinary Design Project (3) SP**
A major, realistic design experience based on the knowledge and skills acquired in prior and concurrent course work, and requiring teamwork involving more than one discipline. The project begins with a performance specification formulated by the instructor. The student team must carry out the design, generate professional design documentation, including fabrication and test drawings and specifications, and produce and test a prototype product. Prerequisite: Engineering 4942 or consent of instructor. Laboratory, 9 hours.
- 4991 Engineering Seminar (1) F**
A course intended to provide students with a broader view of the engineering profession in the context of society. This is an interdisciplinary course in which a variety of topics will be presented and discussed. Topics will include contemporary issues in engineering, ethics, social and professional responsibilities, life-long learning and selected technical topics. Corequisite: Engineering 4942 or consent of instructor. Seminar, 1 hour.



Engineering students build a tower in Guatemala.

Department of Civil and Environmental Engineering

Fred T. Gilliam, *Professor and Acting Academic Chair*

Chris A. Gwaltney, *Visiting Professor*

The Department of Civil and Environmental Engineering is responsible for the curriculum leading to the Bachelor of Science degree with a major in civil engineering.

Building. It's what civil engineers do. Skyscrapers, bridges, roads, fresh water systems, wastewater treatment plants. Civil engineers have designed and built the structures on which society relies from Biblical times until today. As the disciples passed the temple in Jerusalem, one of them said to Jesus, "Look, Teacher! What massive stones! What magnificent buildings!" (Mark 13:1) Then as now, magnificent buildings were designed and massive stones were positioned by civil engineers.

Graduates of Lipscomb's civil engineering program will be ready for a wide spectrum of civil engineering job opportunities or for further study in graduate school. Students will be introduced to all civil engineering sub-disciplines (e.g. structures, geotechnical engineering, environmental engineering, transportation, construction, hydrology and hydraulics) and will choose four of these areas to explore in depth. Even more importantly, civil engineering students will "learn how to learn" and be well prepared for the life-long learning that will sustain them through a professional career filled with technological advancement.

Distinctives of the Civil Engineering Department

For several years Lipscomb University has been a national leader in the design and construction of engineering projects for use in developing nations and in support of mission activities with in those countries. Engineering mission projects have included two pedestrian bridges in Guatemala, two radio towers and a water tower in Honduras, and a fresh, clean water supply to several villages in Guatemala. Civil engineering students at Lipscomb will have unique opportunities to use the engineering skills with which God has blessed them to help other people.

Civil engineering students at Lipscomb also have excellent opportunities to pursue engineering internships. A large number of civil engineering companies have major engineering design and consulting practices in Nashville and middle Tennessee and actively recruit civil engineering students at Lipscomb for summer internships.

Program Educational Objectives for Civil Engineering

The educational objectives for the Civil Engineering program at Lipscomb University are to produce graduates who will be successful in:

1. the practice of engineering as:
 - maturing professionals employed in industrial, governmental, educational, or consulting positions with ever increasing responsibilities and influence;
 - individuals whose interaction with their employers, coworkers, and neighbors is characterized as considerate, moral, and ethical;
2. the acquisition of new knowledge and skills by:
 - pursuing advanced degrees in engineering or related fields;
 - actively participating in ongoing professional development;
 - refining and adapting their fundamental skills to keep pace with a rapidly changing environment;
3. the application of their talents to serving others by:
 - active engagement in programs and initiatives which leverage their engineering competence and other skills in ways beneficial to their community, their church, their profession, and to society as a whole.

Career Opportunities

Civil engineers provide the infra-structure (water, roads, bridges, sewage treatment, flood control) on which every community relies. For that reason, civil engineering job opportunities have traditionally been both strong and stable. A Civil Engineering degree also provides a solid foundation on which one can continue learning. In addition to pursuing master's or doctoral degrees, civil engineering graduates are exceptionally good candidates for advanced degrees in business and law.

Employment opportunities for those with a Civil Engineering degree are numerous and include careers in areas such as:

Construction Engineering
Environmental Engineering
Geotechnical Engineering
Hydrology and Hydraulic Engineering
Land Planning
Structures
Transportation Systems
Water and Wastewater

Requirements for Majors

Civil Engineering major

B.S. degree program only

Total required hours - 139

I. General education requirements-41 hours

See page 25 for university requirements

Specific courses required within Civil Engineering

Bible: Bible 4213

Humanities: Bible 3123

Social Science: Economics 2503

History: History 1123 is recommended

II. Courses for Major - 98 hours

Chemistry 1113, 1123, 1211, 1221

Civil and Environmental Engineering 2113, 2123, 2133, 2211, 3113, 3211, 3213, 3313, 3413, 3443, 3513, 3613, 3621, 3713, 3721

Engineering 1114, 1123, 2513, 4942, 4953, 4991

Mathematics 1314, 2314, 2324, 3123, 3133

Physics 2414

Four Civil Engineering Specialty Electives (12 semester hours) chosen from

Civil and Environmental Engineering 4213, 4313, 4413, 4513, 4613, 4713

One approved Technical elective (3 semester hours)

The minor in Applied Mathematics is automatically satisfied.

Mathematics 1314, Calculus I, MUST be taken during the fall semester of the freshman in order to enroll in Physics 2414 during the spring semester. Otherwise, completion of the program may require more than eight semesters. Students who are not eligible to begin in the calculus sequence should consider enrolling in Mathematics 1123 in the summer session.

CIVIL and ENVIRONMENTAL ENGINEERING (CEE)

2113 Statics (3) F

Studies in the principles of statics, force systems, and equilibrium analysis of structures, friction, centroids and center of gravity, and moments of inertia. Prerequisite: Physics 2414. Corequisite: Mathematics 2314.

2123 Dynamics (3) SP

Studies in the principles of dynamics, rectilinear translation, curvilinear translation, rotation, plane motion, work and energy, and impulse and momentum. Prerequisites: Civil and Environmental Engineering 2113, Mathematics 2314, Engineering 2513.

2133 Surveying and Geomatics (3) SP

Surveying theory and practice including horizontal, vertical and angular field measurements, analysis of measurements, errors and error analysis, and graphical or digital presentation of survey data. Introduction to GIS and GPS. Prerequisite: Civil and Environmental Engineering 2113.

2211 Experimental Methods Laboratory (1) SP

Principles of experimental methods and procedures; measurement techniques for basic mechanical properties; introduction to instrumentation characteristics and selection; proper documentation of experimental results. Prerequisite: Engineering 2513. Corequisite: Civil and Environmental Engineering 3113.

3113 Strength of Materials (3) SP

Studies in the principles of stress, strain, torque, bending moment, Hooke's law, torsion, shear and bending moment diagrams, beam theory, columns, and shafts. Prerequisites: Civil and Environmental Engineering 2113, Mathematics 2314, Engineering 2513.

3211 Solid Mechanics and Materials Laboratory (1) F

A series of experiments which demonstrate the theory of mechanics of materials, and the most important characteristics of engineering materials. Prerequisites: Civil and Environmental Engineering 2211 and 3113.

3213 Structural Analysis (3)

Structural analysis of determinate and indeterminate structures, deflections by moment-area and virtual work, influence lines, force method and moment-distribution methods of analysis. Classical and computer methods. Prerequisites: Engineering 2513, Civil and Environmental Engineering 3113.

3313 Environmental Engineering (3) F

Fundamentals of environmental engineering. Applications in water quality, water and wastewater treatment, solid waste management, air pollution, and hazardous waste management. Environmental regulations. Prerequisites: Chemistry 1123 and 1221, Civil and Environmental Engineering 3613.

3413 Construction (3)

Fundamental concepts of construction; equipment selection; productivity; concrete and steel construction; construction contracts, economics, estimating and scheduling. Prerequisites: Civil and Environmental Engineering 3113 and 3443.

3443 Civil Engineering Materials (3)

The physical and mechanical properties of materials used in construction including aggregates, cements, concretes, masonry, ferrous and non-ferrous metals, and wood; the behavior of materials under load; and material testing standards. Prerequisites: Chemistry 1113 and 1211, Civil and Environmental Engineering 3113. Corequisite: Civil and Environmental Engineering 3211.

3513 Transportation Engineering I (3)

Introduction to transportation engineering with emphasis on highway systems, highway design, and traffic flow. Applications of engineering economic analysis. Prerequisites: Civil and Environmental Engineering 2133.

3613 Fluid Mechanics (3) F

Fundamentals of fluid flow; fluid statics, systems and control volumes; continuity, momentum, and energy equations; dynamic similitude; flow in pipes and open channels; flow measurements. Prerequisites: Mathematics 2324, Civil and Environmental Engineering 2123.

3621 Hydraulics Laboratory (1)

A series of experiments which demonstrate the theory of fluid mechanics in civil and environmental engineering applications. Particular emphasis is placed on pumps, pipe flow and open channel flow. Prerequisites: Civil and Environmental Engineering 2211 and 3613.

- 3713 Geotechnical Engineering (3)**
Physical properties of soils, soil mechanics including phase relationship, soil classification, permeability, effective stress, time-settlement analysis, compaction, shear strength, bearing capacity, lateral earth pressures and analysis of homogeneous slopes. Prerequisites: Civil and Environmental Engineering 3113 and 3443.
- 3721 Civil Engineering Laboratory (1)**
A series of experiments which demonstrate fundamental principles of environmental engineering and geotechnical engineering. Prerequisites: Civil and Environmental Engineering 2211, 3313, 3713.
- 4213 Reinforced Concrete Structural Design (3)**
Concrete and reinforcing steel properties; analysis and design of reinforced concrete beams, slabs, columns and footings. Prerequisites: Civil and Environmental Engineering 3213 and 3443.
- 4313 Water and Wastewater (3)**
Potable water treatment and wastewater treatment and disposal. Treatment systems; operation/ process physics, chemistry, and biology; operation and maintenance issues; regulatory requirements. Prerequisites: Civil and Environmental Engineering 3313.
- 4413 Construction Project Planning and Management (3)**
Planning and management of construction/engineering projects and organizations, project management techniques, skills, and applications. Contracts, laws, financing and safety. Prerequisites: Civil and Environmental Engineering 3413.
- 4513 Transportation Engineering II (3)**
Integrating transportation engineering principles into the design of multimodal transportation systems, including an overview of transportation design tools often utilized in the industry. Analysis of geometric design and operations management strategies to improve safety and performance; including design for non-motorized and public transport, intelligent transportation systems, signal systems, and simulation. Prerequisites: Civil and Environmental Engineering 3513.
- 4613 Hydrology and Hydraulic Engineering (3)**
Hydrologic cycle, precipitation, infiltration, runoff. Applications of hydraulics to civil engineering systems for flood-damage reduction, hydropower and river navigation. Storm water, detention basins, groundwater, open channel flow, closed conduit flow, dams and reservoirs. Prerequisites: Civil and Environmental Engineering 3613.
- 4713 Foundation Engineering (3)**
Application of soil mechanics and soil behavior in geotechnical engineering analysis and design. Slope stability, subsurface exploration, lateral earth pressure, retaining structure design, foundation bearing capacity, and settlement. Principles of foundation design. Prerequisite: Civil and Environmental Engineering 3713.
- 491V Special Topics in Civil Engineering (1-5)**
Selected topics from civil and environmental engineering will be offered as opportunities develop. Course format may be lecture, lab, or project depending on the specific topic selected. Prerequisites: Consent of instructor.



Hanging out with friends in
Bison Square.



The Dr. W. Ralph Butler Computer Lab

Department of Computing and Information Technology

Donald R. Geddes, *Assistant Professor and Academic Chair*

Alfred L. Austelle, *Associate Professor*

Kenneth R. Mayer, Jr., *Instructor*

Steve Nordstrom, *Assistant Professor*

Michelle Putnam, *Instructor*

Becky J. Tallon, *Associate Professor*

The impact of computing on the daily life of all citizens is inescapable. Revolutionary advances in electronics have transformed the personal computer into both an essential business tool and a household appliance. At the same time, large-scale computing systems have become faster and more powerful, while miniaturization techniques have produced microchips that pervade almost every device used by the general public — automobiles, microwave ovens, refrigerators, telephones, traffic signals, watches. The list is almost endless. Students who are interested in participating in the activities that influence the use of computing resources in business, science and society will find that Lipscomb offers a variety of strong curricula to assist them in achieving that goal.

Distinctives of the Computing and Information Technology Department

Demand for career opportunities in computing-related positions will exceed the supply for the next decade and beyond. Despite media reports to the contrary, only 1 to 2 percent of low-tech computing discipline jobs are being outsourced to other countries. Graduates with computing emphases will find many employment opportunities. The latest data from the US Department of Labor show that the top seven fastest growing careers are in the computing disciplines. The Computing and Information Technology Department at Lipscomb offers extensive career development in six of those disciplines.

All of our programs offer opportunities for students to participate in mission trips to various parts of the world, internships with prominent local organizations and opportunities to participate in programming competitions. In the past, several of the internships have become permanent positions. In addition, the Computing and Information Technology Department has a 100 percent placement rate for its graduates.

Computer Science Major and Minor

The Computer Science major and minor provide the opportunity to explore the theoretical and scientific aspects of computing. The program provides preparation both for employment and for graduate programs in computing.

The Computer Science major emphasizes the analytical skills required in technical applications of computing. A student completing this major is well-prepared to enter graduate school, or to seek employment in industry, research laboratories, information technology, software development, networking, telecommunications, consulting, military and civilian government installations, etc.

The Computer Science minor introduces the concepts of data organization and software construction and gives the student a basis to continue further study. The minor is a good partner for any of the majors offered in the Raymond B. Jones College of Engineering as well as several majors in the College of Arts and Sciences.

Information Technology Applications Major and Web Applications Development Major and Information Technology and Web Design Minors

Majors in Information Technology Applications and Web Applications Development and minors in Information Technology and Web Design are offered by the Raymond B. Jones College of Engineering. These programs are designed to prepare students for graduate studies in information technology or for employment in a wide variety of commercial computing environments. Examples include banks, insurance companies, health care organizations, distribution centers, retail stores, Internet service providers, web development consultants and telecommunications, as well as small businesses, private consulting, and federal, state, and local government.

The Information Technology Applications major allows students to gain expertise in many of the technical aspects of information technology (IT), thus preparing them for graduate study and the IT industry. The Web Applications Development major focuses on the design and programming concepts necessary to develop various types of websites. This major also develops students for industry and advanced study.

The Information Technology minor is designed to provide students with a general knowledge of the requirements of commercial computing. The minor can be very helpful to business students who expect to be involved in corporate computing issues. This program matches very well with any of the majors offered by the College of Business. The Web Design minor is designed to give students a general understanding of web site development and can be very useful to business, art, and education majors who expect to be involved in web development in their careers.

Career Opportunities

Application Programmers
Database Administrators
Information Technology Administrators
Internet Consultants
Network Analysts
Operations Managers
Software Engineers
Systems Analysts and Designers
Telecommunication Analysts
Web Application Developers
Web server administrators
Website administrators
Website designers

Introductory Courses

Computer Applications –Math/Science (CSCI 1041) surveys computing tools and techniques that are useful for scientific studies and is primarily designed for students with majors or minors in the Raymond B. Jones College of Engineering. *Structured Programming* (CSCI 1513) is the primary computing language course for computing majors and minors.

Requirements for Majors

Computer Science Major

B.S. degree program

Total hours required-71

Specific courses required-

Bible 4213

Computer Science 1513, 2113, 3113, 3213, 3353, 3513, 3613, 3703, 3803, 395V, 4213, 4613

Information Technology 1403, 2043

Nine additional hours selected from:

Computing Science 3413, 350V, 4113

Information Technology 2053, 3013, 3023, 3053, 3353, 3553

Mathematics 1314, 2103, 2183 or 2314, 2903, 3123

One two-semester sequence of laboratory science (8 hours minimum)

The minor requirement in Pure Mathematics is automatically satisfied if Mathematics 3123 is selected in place of 2183; otherwise, one additional course selected from the approved list is needed to complete this minor.

Information Technology Applications Major

B.S. degree program

Total hours required - 60

Specific courses required -

Accounting 2503, 2513

Computer Science 1513, 2113, 3213, 3613, 4613

Information Technology 1403, 2043, 2053, 3013, 3023, 3553, 395V

Management 3503 Marketing 3503

Mathematics 2053, 2103, 2183

Three hours selected from:

Computer Science and/or Information Technology courses

Web Application Development Major

B.S. degree program Total hours required - 66

Specific courses required -

Art 1722, 3713

Communication 2144

Computer Science 1513, 2113, 3213, 3613, 4613

Economics 2503

Information Technology 1403, 2043, 2053, 3013, 3023, 3053, 3203, 3353, 395V, 4053

Information Technology Management 3013

Marketing 3503

Mathematics 2183

Requirements for Minors

Computer Science Minor

Total hours required-21

Specific courses required-

Computer Science 1513, 2113, 3113

Information Technology 1403

Nine hours of electives chosen from the Computer Science and/or Information Technology offerings with approval of the academic chair.

Information Technology Minor

Total hours required — 21

Specific courses required —

- Accounting 2503
- Computer Science 1513
- Information Technology 1403, 2043, 3013, 3553
- Management 3503

Web Design Minor

Total hours required-20

Specific courses required—

- Information Technology 1403, 2053, 3053, 3353
- Art 1722, 3713
- Marketing 3503

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

In addition to lecture, computing courses require appropriate programming exercises.

COMPUTER SCIENCE (CSCI)

1041 Computer Applications - Math/Science (1) F, SP

Use of computer software for mathematical and scientific applications. Problem solving with application software including graphical representation of solutions and data, equation editing, symbolic mathematics, statistical software, scientific internet resources, images, and animation. Prerequisite: Satisfaction of Information Technology Proficiency requirement. Laboratory, 2 hours.

1513 Structured Programming (3) F, SP

Structured and modular program design and introduction to standard programming techniques. Details of an object-oriented programming language. Elementary applications from several areas. Prerequisite: Information Technology 1403 and at least a 21 ACT or 500 SAT Mathematics score or Mathematics 1030 with a minimum grade of “C.” Lecture, 3 hours. Computer upgrade fee: \$90.

2113 Intermediate Programming (3) SP

Introduction to recursion, stacks, queues, linked lists and binary trees. Sequential, random, and indexed file applications. Advanced features of the C# programming language and dynamic memory allocation. Prerequisite: Computer Science 1513 with a minimum grade of “C.” Lecture, 3 hours. Computer upgrade fee: \$90.

3113 Data Structures (3) F

String processing, searching and sorting, stacks, queues, linked lists, trees, graphs, and file maintenance. Prerequisite: Computer Science 2113 with a minimum grade of “C.” Lecture, 3 hours. Computer upgrade fee: \$90.

3213 Data Base Management Systems (3) SP

Data relationships. Hierarchical, network, and relational models. Data description languages and query facilities. File security and integrity. Prerequisite: Computer Science 1513 with a minimum grade of “C” and Information Technology 2043 with a minimum grade of “C.” Lecture, 3 hours.

3353 Introduction to Software Engineering (3) F

This course is a survey of techniques, methods, and theories used in the analysis, design and testing of software. Prerequisite: Computer Science 2113 with a minimum grade of “C.” Lecture, 3 hours.

3413 Numerical Algorithms (3)

Finding roots of equations, error analysis, simultaneous linear equations, numerical integration, least squares approximations, and numerical solution of ordinary differential equations. Prerequisites: Mathematics 2314 and Computer Science 1513 with a minimum grade of “C.” Offered on demand. Lecture, 3 hours.

350V Special Topics in Computing (1, 2, or 3)

Selected topics from the field of computing are offered. The course may be either lecture or laboratory oriented depending upon the topic selected. The study represents an in-depth approach to specific areas of interest to the students. This course may be repeated for credit with departmental approval. Prerequisite: Consent of instructor. Offered on demand.

3513 Computer Organization (3) SP

Introduction to architecture of computer systems including, logic design, CPU organization, assembly language, implementation of I/O systems, memory management, and communications. Prerequisite: Mathematics 2103 and Computer Science 1513 with a minimum grade of “C.” Lecture, 3 hours.

3613 Network Principles (3) F, SP

Overview of current computer network theory and practice. Hardware requirements, network media and topologies, protocols and access methods, Internet addressing and protocols, protocol layering (ISO model, etc.). Prerequisite: Computer Science 1513 with a minimum grade of “C.” Lecture, 3 hours. Computer upgrade fee: \$90.

3703 Introduction to GUI Programming (3) SP

An introduction to Human-Computer Interaction and Graphical User Interface development. Discussions on theoretical and practical aspects of designing and implementing graphical user interfaces including window management, interacting with an operating system’s graphics library, widgets, and event handling. Prerequisite: Computer Science 2113 with a minimum grade of “C.” Lecture, 3 hours.

3803 Introduction to AI and Expert Systems (3) SP

A survey of artificial intelligence topics including advanced searching techniques, heuristics, knowledge representation, intelligent agents, and expert systems. Prerequisite: Mathematics 2103 and Computer Science 2113 with a minimum grade of “C.” Lecture, 3 hours.

395V Internship in Computer Science (1-3) F, SP

Provides the opportunity to gain experience with scientific computing in a work setting. Credit is awarded according to the scale published by the Career Development Center. Prerequisites: Junior standing and permission of instructor. Repeatable for up to six hours.

4113 Comparative Programming Languages (3) SP

Formal language grammar and syntax, data types and control structures, and implementation and comparison of strengths and weaknesses of various programming languages. Prerequisite: Computer Science 3113 with a minimum grade of “C.” Offered on demand. Lecture, 3 hours.

- 4213 Operating Systems (3) F**
Dynamic procedure activation, system structure, memory management, concurrent processes, and multiprogramming systems. Prerequisite: Computer Science 2113 with a minimum grade of "C." Lecture, 3 hours. Computer upgrade fee: \$90.
- 4613 Senior Project (3) F, SP**
The student will design and implement a suitable computer project. Prerequisites: Senior standing and 21 hours of computing courses from the Computing and Information Technology department including Computer Science 2113 with a minimum grade of "C." Lecture/recitation, 3 hours. This course *may satisfy* the SALT Tier II requirement.

INFORMATION TECHNOLOGY (IT)

- 1000 Basic Computer Literacy (0) F, SP, SU**
Introduction to computers and the use of computer applications, including the campus network applications, word processing, spreadsheets, presentations, and internet access. Upon completion, students will be prepared to use computing resources in the university setting. Open only to students who have not satisfied the Information Technology Proficiency requirement by examination. Lecture/Laboratory, 2 hours.
- 1403 Future of Computing (3) F**
Topics discussed will be cutting-edge computing, WWW3, Blogs, Wikis, WWW.Ted.com, WWW.Google.com/squared, and other Internet resources. In addition, the basic concepts of program and algorithm design using a scripting language along with discussion of the ethical use of computers. Corequisite: Successful completion of the Information Technology Proficiency Test. Lecture, 3 hours. Computer upgrade fee: \$90.
- 2043 Information System Applications (3) F, SP, SU**
Heavy emphasis will be placed upon using the microcomputer as a decision-making tool. Theory and applications of various software packages, including word processing, electronic spreadsheets, databases, and presentation software are discussed. Prerequisites: Satisfaction of Information Technology Proficiency requirement. Lecture/Laboratory, 3 hours. NOTE: Because of the intensity of this course it is highly recommended that the course not be taken until at least the second semester of the freshman year.
- 2053 Web Application Development I (3) F, SU**
A survey of web development techniques with emphasis on developing and maintaining websites. Some of the topics presented are basic website development, HTML, XHTML and CSS coding and the use of software packages such as Dreamweaver and Photoshop Elements. Prerequisite: Information Technology 1403 with a minimum grade of "C." Lecture/Laboratory, 3 hours. This course *may satisfy* the SALT Tier II requirement.
- 3013 Systems Analysis and Design (3) F**
Introduction to analysis and design techniques, project management tools, data collection tools, and system documentation tools. Communication skills will be emphasized. Proper input/output design techniques, database, etc. will be included in selection of appropriate implementation. Evaluation of hardware/software options relating to feasibility will be included. Prerequisites: Information Technology 1403 with a minimum grade of "C" and Computer Science 1513 with a minimum grade of "C." Lecture, 3 hours.
- 3023 Project Management (3) SP**
This course uses the concepts learned in Systems Analysis and Design and extends them in order to complete a realistic information system project. Students will design the project and implement it while working in a team environment. Prerequisite: Information Technology 3013. Lecture/Recitation, 3 hours. This course *may satisfy* the SALT Tier II requirement.
- 3053 Web Application Development II (3) SP**
This course is designed to provide students with advanced skills in web application development. Topics covered include the use of Java Script, DHTML, SHTML, Action Script among others. The use of available technologies to produce a variety of web site types will be emphasized. Prerequisites: Information Technology 2053 with a minimum grade of "C" and Computer Science 2113 with a minimum grade of "C."
- 3353 Web Server Technologies (3) F**
Application design using server technologies to transfer data from web sites to and from databases. Topics presented are: scripting languages such as ASP, PHP, data structuring languages like XML, and other server technologies. Prerequisite: Information Technology 2053 with a minimum grade of "C" and Computer Science 3213 with minimum grade of "C." Lecture, 3 hours.
- 350V Special Topics in Information Technology (1, 2, or 3)**
Selected topics from the field of Information Technology are offered. The course may be either lecture or laboratory oriented depending upon the topic selected. The study represents an in-depth approach to specific areas of interest to the students. This course may be repeated for credit with departmental approval. Prerequisite: Consent of instructor. Offered on demand.
- 3553 Management of Information Technology (3) F**
The role of Information Technology in organizations and their strategic use for providing competitive advantage through the use of real world case studies. Use of critical thinking skills to explore methods of using information systems to increase market share in organizational settings. Prerequisites: Computer Science 1513 or Information Technology 2043 and Junior Standing
- 395V Internship in Information Technology (3) F, SP**
Provides the opportunity to gain experience with Information Technology in a work setting. Credit is awarded according to the scale published by the Career Development Center. Prerequisites: Junior standing and permission of instructor. Repeatable for up to six hours.
- 4053 Senior Seminar in Web Development (3) SP**
Introduces the student to practical uses of what he/she has already learned. Industry professionals will lecture on subjects such as web site statistics, development, promotion, ecommerce as well as others. Prerequisite: Information Technology 3053, 3353, and must be taken in the senior year.

Department of Electrical and Computer Engineering

John W. Pettit, *Associate Professor and Academic Chair*
Greg G. Nordstrom, *Associate Professor*
Steve G. Nordstrom, *Assistant Professor*

The Department of Electrical and Computer Engineering is responsible for the curriculum leading to the ABET accredited Bachelor of Science degree with a major in *Computer Engineering*.

A second major, Electrical and Computer Engineering (ECE), is now also being offered, though this new major is not yet accredited by ABET. It was reviewed for accreditation in the fall of 2009, with official notification of accreditation status expected in the fall of 2010.

The new ECE major will offer two tracks, or areas of concentration, specifically 1) *Computer Engineering* and 2) *Electrical Engineering*. Both are built upon a common core set of courses. Beyond this common core, each has its own concentration courses and technical electives, as detailed in the major requirements below.

Note that the Computer Engineering track within the ECE major is very similar to the pre-existing *Computer Engineering* major. Thus, it is our plan to terminate the current *Computer Engineering* major, with the last degree granting date being May, 2013. Prospective students are encouraged to pursue the ECE major and choose their concentration per their respective interest.

Both the *Computer Engineering* and *Electrical and Computer Engineering* curricula are designed to equip graduates with the knowledge and skills necessary for entry-level engineering jobs in industry or for the pursuit of a graduate degree in electrical or computer engineering. Specifically, they provide knowledge of current electrical and computer technology, the design techniques and tools pertinent to it, and a solid grounding in the mathematics and science that underlie both the current and the future technology in this field. Knowledge of current technology is required to make our graduates valuable from their first day of employment. Knowledge of the basics is required for lifelong learning, which is necessary for career-long professional growth in a world of rapidly advancing technological complexity. We continually strive to integrate and balance these two areas.

Distinctives of the Electrical and Computer Engineering Department

Lipscomb electrical and computer engineering graduates have received numerous research and teaching assistantships at such prestigious schools as Harvard, Columbia, and Vanderbilt. Likewise, graduates have taken positions in local companies, such as Bonitron, regional companies such as Torch Technologies, and national companies, including Intel and Lexmark. Our students consistently score well above the national average on the fundamentals of engineering exam and have achieved a high placement rate upon graduation. The ECE faculty has both the academic and industrial experience to give our students the necessary preparation to be successful. On the basis of this record and the rapid growth of the electrical and computer industries, graduates have every reason for optimism regarding their professional prospects.

Program Educational Objectives

The educational objectives of the Computer Engineering and the Electrical and Computer Engineering programs at Lipscomb University are to produce graduates who will be successful in:

1. the practice of engineering as:
 - Maturing professionals employed in industrial, governmental, educational or consulting positions with ever increasing responsibilities and influence;
 - Individuals whose interaction with their employers, coworkers, and neighbors is characterized as considerate, moral, and ethical;
2. the acquisition of new knowledge and skills by:
 - Pursuing advanced degrees in engineering and related fields;
 - Actively participating in ongoing professional development;
 - Refining and adapting their fundamental skills to keep pace with a rapidly changing environment;
3. the application of their talents to serving others by:
 - Active engagement in programs and initiatives which leverage their engineering competence and other skills in ways beneficial to their community, their church, their profession, and society as a whole.

Career Opportunities

Electrical engineers design and build a wide range of electrical and electronic systems including cellular telephones, hybrid automobile motors and batteries, communication systems (including the new digital television network), electrical power transmission systems, and even alternative energy sources such as solar panels and wind turbines.

Computer engineers create next-generation computer systems by developing new computer architectures, high-speed processor chips and memory systems, digital displays, and digital networks. They design both large and small systems, from the super computers used in space and high-energy physics research to the tiny embedded microprocessors used in a wide variety of applications such as automobiles, airplanes, appliances, traffic control systems, heating and cooling systems, and many other modern products.

Both electrical engineers and computer engineers are involved in the autonomous control of mechanical systems, commonly called robotics. In the commercial world they develop consumer electronics such as MP3 players, Wii consoles, printers and similar products. In our nation's defense industry, electrical and computer engineers develop new systems to protect our freedom, while in the academic world they do research in new and innovative ways to apply technology. Also, electrical and computer engineers work to develop and deliver future green technologies to satisfy the world's increasing demand for energy while protecting and sustaining our planet's finite resources.

Requirements for Majors

Computer Engineering Major

B.S. degree program only

Total hours required - 134

I. General Education Requirements — 41 hours

See page 25 for university requirements

Specific courses required within Computer Engineering

Bible: Bible 4213

Humanities: Bible 3123

Social Science: Economics 2503

History 1123 is recommended for the history requirement

Mathematics and physical science satisfied by major/minor

II. Courses for Major — 93 hours

Chemistry 1113 and 1211 or Chemistry 1144

Computer Science 1041, 1513, 2113, 3513, 4213

Electrical and Computer Engineering 2214, 2223, 3013, 3233, 3243, 3331, 3813, 4254, 4823

Engineering 1114, 1123, 4942, 4953, 4991

Mathematics 1314, 2103, 2314, 2324, 3133

Physics 2414, 2424, 2434

Technical elective - 6 hours selected from:

Computer Science 3113, 3353, 3613, 3703, 3803, 350V

Electrical and Computer Engineering 3403, 4513, 4263, 395V

Engineering 3513

Electrical and Computer Engineering Major

B.S. degree program only

Total hours required - 135 ECE Computer Engineering track

- 136 ECE Electrical Engineering track

I. General Education Requirements - 41 hours

See page 25 for university requirements

Specific courses required within Electrical and Computer Engineering:

Bible: Bible 4213

Humanities: Bible 3123

Social Science: Economics 2503

History 1123 is recommended for the history requirement

Mathematics and physical science satisfied by major/minor

II. Core courses - 73 hours

Chemistry 1113 and 1211, or Chemistry 1144

Computer Science 1041, 1513, 2113, 3513

Electrical and Computer Engineering 2214, 2223, 3013, 3233, 3813, 4254

Engineering 1114, 1123, 4942, 4953, 4991

Mathematics 1314, 2103, 2314, 2324, 3133

Physics 2414, 2424

III. Concentration and elective courses

a) *Computer Engineering track:*

Concentration courses: 12 hours

Computer Sciences 3113, 4213

Electrical and Computer Engineering 4263, 4823

Technical electives - 9 hours selected from:

Computer Science 3353, 3613, 3703, 3803, 350V

Electrical and Computer Engineering 3243/3331 (combined), 3523, 4513, 395V

Engineering 3513

b) *Electrical Engineering track:*

Concentration courses: 16 hours

Electrical and Computer Engineering 3243, 3331, 3403, 4513

Engineering 3513

Mechanical Engineering 2013

Technical electives - 6 hours selected from:

Computer Science 3113, 4213

Electrical and Computer Engineering 3523, 3713, 4263, 4823, 395V

Physics 2434

The minor requirement in Pure Mathematics is automatically satisfied in both the Computer Engineering and the Electrical and Computer Engineering majors.

Mathematics 1314, Calculus I, MUST be taken during the fall semester of the freshman year in order to enroll in Physics 2414 in the spring semester. Otherwise, completion of the program may require more than eight semesters. Students who are not eligible to begin the calculus sequence should consider enrolling in Mathematics 1123 in the summer session.

It is recommended that students in the Raymond B. Jones College of Engineering satisfy the ITP requirement at the beginning of the first fall semester.

ELECTRICAL AND COMPUTER ENGINEERING (EECE)

- 2013 Survey of Electrical Engineering (3) SP**
Electric circuit DC and AC analysis; transient circuit analysis; frequency response & filters; complex power; electromechanics. Corequisite: Physics 2424. Lecture, 3 hours.
- 2214 Electric Circuits and Signals I (4) F**
Resistor network analysis including series-parallel, wye-delta, source transformations, node voltage and mesh current analysis. Thevenin & Norton equivalent circuits. Capacitance, inductance, mutual inductance, transformers. AC phasor analysis of RLC circuits, single phase power systems. Application of operational amplifiers. Hands-on experience with circuit performance measurement and numerical methods. Corequisite: Physics 2424. Lecture, 3 hours; Laboratory/Recitation, 3 hours.
- 2223 Electric Circuits and Signals II (3) SP**
Transient response of RL/RC and RLC networks. Laplace and Fourier transform methods and introduction to Z transforms. Filter design, including Butterworth filters and frequency and impedance scaling. Two-port parameters. Prerequisite: Electrical and Computer Engineering 2214 with a minimum grade of "C." Lecture, 3 hours.
- 3013 Random Analysis for Electrical Engineers (3) F**
Fundamentals of probability, statistical sampling and hypothesis testing. Probability distribution functions. Random variables and processes, response of linear systems to random processes, optimum systems and filters. Prerequisite: Electrical and Computer Engineering 2223. Lecture, 3 hours.
- 3233 Semiconductor Electronics I (3) F**
Mathematical modeling of the p-n junction, diode circuit analysis, rectifier design. Mathematical modeling of the bipolar junction transistor (BJT) and the metal-oxide-semiconductor field-effect transistor (MOSFET). Quiescent and small signal analysis of BJT and MOSFET amplifiers. Basic NMOS and CMOS digital circuit blocks, including flip-flops and SRAM/DRAM memory. A/D conversion techniques. Prerequisite: Electrical and Computer Engineering 2214 or Electrical and Computer Engineering 2013. Lecture, 2 hours; Laboratory, 3 hours.
- 3243 Semiconductor Electronics II (3) SP**
Power amplifiers. Operational amplifier applications. Transistor amplifier frequency response. Operational amplifier design. Feedback circuit analysis. Oscillators and special analog circuits. Prerequisite: Electrical and Computer Engineering 3233 with a minimum grade of "C." Lecture, 3 hours.
- 3331 Semiconductor Electronics Laboratory (1) SP**
Projects requiring the design and fabrication of semiconductor electronic circuits to meet a specification. Hand analysis, computer simulation, and bench level performance testing are progressively employed to evaluate the circuit of interest. Documentation at each phase is emphasized. Corequisite: Electrical and Computer Engineering 3243. Laboratory, 3 hours.
- 3403 Electromagnetic Fields (3) SP**
A study of electromagnetic fields beginning with Maxwell's equations. Interactions with conductors and dielectric media; waveguides, antennae. Prerequisite: Physics 2424. Lecture, 3 hours. Offered even years. Same as Physics 3403.
- 3523 Communication Systems (3)**
The theory and design of analog and digital communications systems. Signal classification, correlation, representation, analysis and transmission methods are investigated, as are amplitude and frequency modulation, signal encoding/decoding, encryption, and error detection/correction. Prerequisites: Electrical and Computer Engineering 2223 and Electrical and Computer Engineering 3813. Lecture, 2 hours; Laboratory, 3 hours. Offered on demand.
- 3713 Introduction to Power System Analysis (3) F**
Basic power concepts. Per unit quantities. Transformers. Synchronous machines and power control. Transmission line impedances, and current and voltage relationships. One line system diagrams. Symmetrical components. Symmetrical and unsymmetrical fault current calculations. Circuit breakers and system protection. Prerequisites: Electrical and Computer Engineering 2223. Lecture, 3 hours. Offered on demand.
- 3813 Digital Computer Design I (3) F**
An introduction to the digital hardware design process and CAD tools, particularly VHDL. Review of Boolean algebra, functional optimizations, and logic gate implementations. Design of adder/subtractor units, array multipliers, multiplexers, encoders/decoders. State-machine design of sequential circuits, state assignment/state reduction, excitation, and output generation. Prerequisite: Computer Science 3513. Corequisite: Electrical and Computer Engineering 3233. Lecture, 3 hours.
- 395V Topics in Electrical and Computer Engineering (1, 2, 3, 4, or 5)**
Topics from electrical/computer engineering in either lecture or laboratory oriented format, depending on the specific topic selected. Course may be repeated for credit. Prerequisite: consent of instructor. Offered on demand.
- 4254 Microprocessors (4) F**
The theory and application of microprocessors, including architecture, hardware considerations, and programming methods in both assembly- and higher-level languages. Theory and practice of analog-to-digital conversion, synchronous and asynchronous communications, timing, and real-time interrupts. Laboratory design, build, and test assignments involving state-of-the-art microprocessors, sensors, and output devices. Prerequisite: Computer Science 3513 and Engineering 1123. Corequisite: Electrical and Computer Engineering 3233. Lecture, 3 hours; Laboratory 3 hours.
- 4263 Embedded Systems (3) SP**
Special fixed purpose computing system design is considered using a combination of microprocessors (software) and custom digital logic (hardware). Design trade-offs focus on the selection and use of software versus hardware processors for optimized performance. Includes hardware interfacing, bus protocols, peripheral systems, digital control systems, real-time constraints, and networking. Design considerations include cost, performance, power, flexibility, and maintainability. Prerequisite: Electrical and Computer Engineering 4254 with a minimum grade of "C." Corequisite: Electrical and Computer Engineering 4823. Lecture, 2 hours; Laboratory/recitation, 3 hours.
- 4513 Digital Signal Processing (3) SP**
Introduction to digital signal processing. Topics will include Sampling Theorem, z-Transform, discrete-time Fourier transform, power spectrum, discrete Fourier transform, the FFT algorithm, and digital filter design. Prerequisites: Electrical and Computer Engineering 2223 and Mathematics 2103 with minimum grades of "C." Lecture, 2 hours; Laboratory, 3 hours.
- 4823 Digital Computer Design II (3) SP**
Provides an in-depth digital circuit design experience. Datapath and control path design concepts and practice, modeling and simulation techniques, and circuit synthesis are covered. Design analysis, verification, testing, and cost issues will be taught as well. Single-cycle, multi-cycle, and pipelined microprocessor architectures are modeled and implemented using hardware description languages and contemporary CAD tools. The course culminates in a cache-based microprocessor design project using VHDL. Prerequisites: Engineering 1123 and Electrical and Computer Engineering 3813 with a minimum grade of "C." Lecture, 2 hours; Laboratory/recitation, 3 hours.



Dr. Greg Nordstrom, Associate Professor of Engineering, works with a student in the electrical engineering lab.

Department of Mechanical Engineering

A. Fort Gwinn, *Professor and Academic Chair*

Fred T. Gilliam, *Professor and Dean*

Kerry E. Patterson, *Associate Professor*

Richard Gregory, *Assistant Professor*

The Mechanical Engineering Department is responsible for Bachelor of Science degree programs in two majors: Mechanical Engineering and Engineering Mechanics. These two degrees share much in common, with a few distinctive differences. Mechanical Engineering provides a program of study covering a wide range of topics in thermal and mechanical systems while Engineering Mechanics is a program that focuses on a depth of knowledge in solid and fluid mechanics. The degree program in Engineering Mechanics is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). Mechanical Engineering is a new program that began in the fall of 2007 and has not yet been accredited.

During the first two years, the students in both programs are given a broad education in engineering topics along with the basic mathematics and science that underlies them. Starting in the junior year, the curriculum includes more intense engineering analysis courses with an emphasis on the relationship between analytical techniques and the engineering design process. Students in their junior and senior years pursue more specific interests by selecting between available concentrations. For the Mechanical Engineering student, the possible concentrations are Mechanical Systems and Thermal/Fluid Systems. The Engineering Mechanics major may select between concentrations in Solid Mechanics or Fluid Mechanics. Then, during the senior year the student is allowed to fully explore the "art" of engineering design through the Senior Design experience. The Senior Design experience involves students in interdisciplinary teams that are given the task of designing and producing a product that will meet a set of pre-defined requirements.

Distinctives of the Mechanical Engineering Department

Whether developing more fuel-efficient automobiles, designing robotic medical systems, or helping to put an astronaut on Mars, Mechanical Engineers will play a critical role in maintaining America's place in the world economy. The faculty in the department of Mechanical Engineering have the academic and practical experience to give our students the necessary preparation to be successful.

While at Lipscomb University, Mechanical Engineering students have the opportunity to participate in numerous extracurricular activities through student chapters of the American Society of Mechanical Engineers and the Society of Automotive Engineers, as well as annual engineering mission trips. Students are also encouraged to seek engineering internship opportunities in industry during the summers. Faculty members assist students in finding and securing engineering internships whenever possible.

Program Educational Objectives for Engineering Mechanics and Mechanical Engineering

The educational objectives of the Engineering Mechanics and Mechanical Engineering programs at Lipscomb University are to produce graduates who will be successful in:

1. the practice of engineering as:
 - maturing professionals employed in industrial, governmental, educational or consulting positions with ever increasing responsibilities and influence;
 - individuals whose interaction with their employers, coworkers, and neighbors is characterized as considerate, moral, and ethical;
2. the acquisition of new knowledge and skills by:
 - pursuing advanced degrees in engineering or related fields;
 - actively participating in ongoing professional development
 - refining and adapting their fundamental skills to keep pace with a rapidly changing environment
3. the application of their talents to serving others by:
 - active engagement in programs and initiatives which leverage their engineering competence and other skills in ways beneficial to their community, their church, their profession, and society as a whole.

Career Opportunities

Employment opportunities for those with a Mechanical Engineering degree are numerous and include careers in areas that include:

Aerospace
Automotive
Robotics
Defense
Energy Systems Development and Design
Renewable Energy Systems
Machine Design
Government and Private Research
Consulting

Manufacturing

A Mechanical Engineering degree also provides a solid foundation on which to continue learning. In addition to pursuing master's or doctoral degrees, Mechanical Engineering graduates are exceptionally good candidates for advanced degrees in the areas of business, law, and medicine.

Requirements for Majors

Mechanical Engineering Major

B.S. degree program only

Total required hours – 137

I. General Education Requirement–41 hours

See page 25 for university requirements

Specific courses required with Mechanical Engineering

Bible: Bible 4213

Humanities: Bible 3123

Social Science: Economics 2503

History 1123 is recommended for history requirement

Mathematics and physical science satisfied in major/minor

II. Courses for Major-96 hours

Chemistry 1144

Electrical and Computer Engineering 2013

Engineering 1114, 1123, 2513, 3303, 3513, 4942, 4953, 4991

Mechanical Engineering 2113, 2123, 2211, 3113, 3211, 3313, 3413, 3443, 3613, 3703, 3803, 3812, 3831, 4303

Mathematics 1314, 2314, 2324, 3133

Physics 2414, 2424

Approved technical electives 6 hours

One concentration selected from:

Mechanical Systems: Mechanical Engineering 4423

Thermal Fluid Systems: Mechanical Engineering 4513

The minor requirement in Applied Mathematic is automatically satisfied.

Mathematics 1314, Calculus I, MUST be taken during the fall semester of the freshman year in order to enroll in Physics 2414 in the spring semester. Otherwise, completion of the program may require more than eight semesters. Students who are not eligible to begin in the calculus sequence should consider enrolling in Mathematics 1123 in the summer session.

Engineering Mechanics Major - NOTE: Majors in Engineering Mechanics must be completed by May 2013

B.S. degree program only

Total hours required - 134

I. General Education Requirements — 41 hours

See page 25 for university requirements

Specific courses required within Mechanical Engineering

Bible: Bible 4213

Humanities: Bible 3123

Social Science: Economics 2503

History 1123 is recommended for history requirement

Mathematics and physical science satisfied by major/minor

II. Courses for Major — 93 hours

Chemistry 1144

Electrical and Computer Engineering 2013

Engineering 1114, 1123, 2513, 3303, 4942, 4953, 4991

Mechanical Engineering 2113, 2123, 2211, 3113, 3211, 3313, 3443, 3613, 3703, 3803, 3812, 3831, 4303

Mathematics 1314, 2314, 2324, 3133

Physics 2414, 2424

Approved technical electives 6 hours

One concentration selected from:

Fluid Mechanics Concentration

Specific courses required:

Engineering 3513

Mechanical Engineering 4613

Solid Mechanics Concentration

Specific courses required:

Mechanical Engineering 4123

Mechanical Engineering 3413 or 4223

The minor requirement in Applied Mathematics is automatically satisfied.

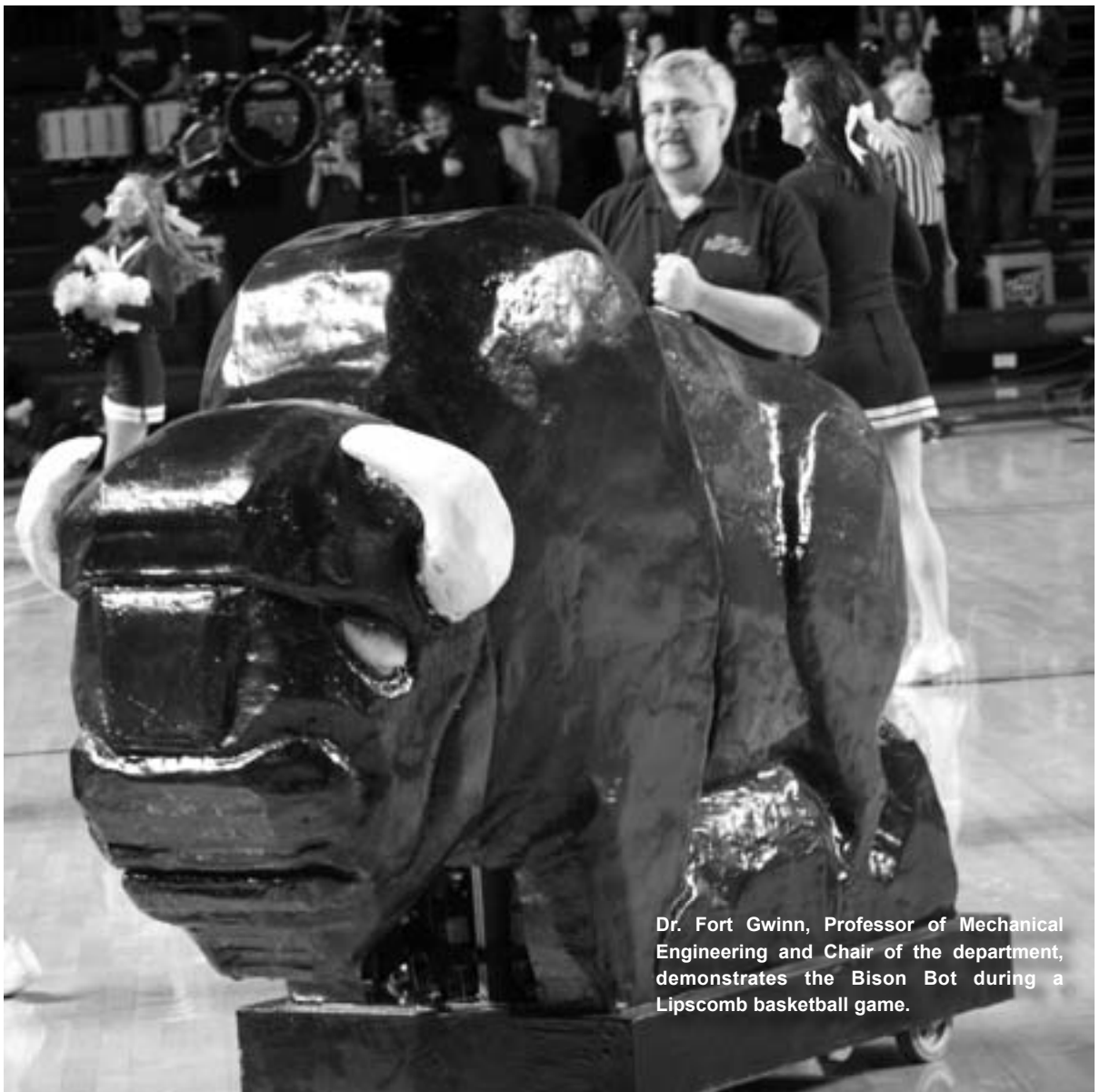
Mathematics 1314, Calculus I, MUST be taken during the fall semester of the freshman year in order to enroll in Physics 2414 in the spring semester. Otherwise, completion of the program may require more than eight semesters. Students who are not eligible to begin the calculus sequence should consider enrolling in Mathematics 1123 in the summer session.

It is recommended that students in the Raymond B. Jones College of Engineering satisfy the ITP requirement at the beginning of the first fall semester.

MECHANICAL ENGINEERING (ME)

- 2013 Survey of Mechanical Engineering (F)**
An overview in the basic principles of engineering mechanics from statics, dynamics, and strength of materials. This includes both static and dynamic force systems and equilibrium, area and mass properties, and general concepts in stress and strain. Prerequisite: Physics 2414. Lecture, 3 hours.
- 2113 Statics (3) F**
Studies in the principles of statics, force systems and equilibrium analysis of structures, friction, centroids and center of gravity, and moments of inertia. Prerequisite: Physics 2414. Corequisite: Mathematics 2314. Lecture, 3 hours.
- 2123 Dynamics (3) SP**
Studies in the principles of dynamics, rectilinear translation, curvilinear translation, rotation, plane motion, work and energy, and impulse and momentum. Prerequisite: Mechanical Engineering 2113, Mathematics 2314, Engineering 2513. Lecture, 3 hours.
- 2211 Experimental Methods in Mechanical Engineering (1) SP**
Principles of experimental methods and procedures; measurement techniques for basic mechanical properties; Introduction to instrumentation characteristics and selection; along with proper documentation of experimental results. Prerequisites: Engineering 2513, Corequisite: Mechanical Engineering 3113. Lecture/Laboratory, 3 hours.
- 3113 Strength of Materials (3) SP**
Studies in the principles of stress, strain, torque, bending moment, Hooke's law, torsion, shear and moment diagrams, beam theory, columns, and shafts. Prerequisite: Mechanical Engineering 2113 and Mathematics 2314, Engineering 2513. Lecture, 3 hours.
- 3211 Solid Mechanics and Materials Laboratory (1) F**
A series of experiments which demonstrate the theory of mechanics of materials and the most important characteristics of engineering materials. Prerequisite: Mechanical Engineering 2211, Mechanical Engineering 3113. Laboratory, 3 hours.
- 3313 Mechanical Vibrations (3) SP**
Theory of vibrations; free and forced, damped and undamped vibrations, one and two degree of freedom systems, and computer-aided simulations. Introduction to continuous systems. Prerequisites: Mechanical Engineering 2123, Mathematics 3133. Lecture, 3 hours.
- 3413 Dynamics of Machinery (3) SP**
Kinematic analysis of plane mechanism linkages, analysis and synthesis of cam-follower mechanisms, and gear trains. An introduction to the synthesis of planar mechanisms-linkages and static and dynamic force and torque analysis of plane mechanisms with balancing using the computer. Prerequisites: Mechanical Engineering 2123. Lecture, 3 hours.
- 3443 Engineering Materials (3) F**
Introduction to the structure and behavior of modern engineering materials. Explores the relationship between the atomic, microscopic, and macroscopic structure of materials and their mechanical, thermal, and failure properties. Prerequisites: Mechanical Engineering 3113, Chemistry 1144. Corequisite: Mechanical Engineering 3211. Lecture, 3 hours.
- 3613 Fluid Mechanics (3) F**
Fundamentals of fluid flow; fluid statics, systems and control volumes; continuity, momentum, and energy equations; dynamic similitude; flow in pipes and channels; flow measurements. Prerequisites: Mathematics 2324, Mechanical Engineering 2123. Corequisite: Mechanical Engineering 3703. Lecture, 3 hours.
- 3703 Thermodynamics (3) F**
Concepts, models and laws; energy and the first law; properties and state; energy analysis of thermodynamics systems; entropy and the second law; conventional power and refrigeration cycles. Prerequisites: Chemistry 1144, Mathematics 2324, Physics 2414. Lecture, 3 hours. Same as Physics 3703.
- 3803 Heat Transfer (3) SP**
Single and multidimensional steady-state and transient heat conduction; role of convection for internal and external forced flows and in buoyancy-driven flow; thermal radiation processes and properties. Prerequisites: Mechanical Engineering 3613, Engineering 3303.
- 3812 Advance Computer-Aided Design (2) SP**
Advanced topics in Computer Aided Design and Analysis, culminating in the initiation of the interdisciplinary design project to be completed in the following semester. Corequisite: Mechanical Engineering 3413, Lecture/lab, 3 hours, Credit 2 hours.
- 3831 Fluid Mechanics and Thermal Science Laboratory (1) SP**
A series of experiments which demonstrate the principles of fluid mechanics, thermodynamics, and heat transfer. Particular emphasis is placed on energy transfer in fluids. Prerequisites: Mechanical Engineering 2211, 3613. Corequisite: Mechanical Engineering 3803. Laboratory, 3 hours
- 395V Topics in Mechanical Engineering (1,2,3,4, or 5)**
Topics from engineering mechanics in either lecture- or laboratory-oriented format, depending on the specific topic selected. Course may be repeated for credit. Prerequisite: consent of instructor. Offered on demand.
- 4123 Advanced Mechanics of Materials (3) F (even numbered years)**
Advanced topics; fracture mechanics, fatigue and life prediction, elastic support, non-circular shafts, curved beams, thick-walled cylinders, introduction to plates, thin shells of revolution. Prerequisites: Mechanical Engineering 3113, Mathematics 2324. Lecture, 3 hours.
- 4223 Design of Pressure Systems (3) F (odd numbered years)**
Design of pressure vessels and piping systems for stress and deflection. Emphasis will be on the use of ASME Boiler and Pressure Vessel Codes as well as the ASTM piping codes. Prerequisites: Mechanical Engineering 3113. Lecture, 3 hours.
- 4303 Computational Methods in Mechanics (3) F**
Matrix formulations using flexibility and stiffness methods for structural analysis of skeletal structures. Application of finite element method in solid mechanics continuum; isoparametric formulation; plane stress, plain strain, axisymmetric, and solid elements and their applications; modeling considerations and error analysis. Prerequisites: Mechanical Engineering 3313, 3803, 3812. Lecture, 3 hours.
- 4423 Design of Machine Elements (3) F**
This course equips the student with a working knowledge of components commonly found in mechanical systems. The student will learn the skills necessary to properly design and select components based on function, loading, and wear characteristics. Prerequisite: Mechanical Engineering 3113, 3413. Lecture, 3 hours.
- 4513 Design of Thermal—Fluid Systems (3) F**
This course equips the student with a working knowledge of components commonly found in thermal-fluid systems. Examples are drawn from power generation, environmental control, and industrial processes. Students work on group projects for integration of these components in the design of thermal systems. Prerequisites: Mechanical Engineering 3803. Lecture, 3 hours.

- 4613 Advanced Fluid Mechanics (3) SP (even numbered years)**
 Fundamental principles and equations; control volumes, continuity, compressible flow, thin airfoil theory; finite wings; wings in compressible flow; aerodynamic drag. Prerequisites: Mechanical Engineering 3613, Engineering 2513. Lecture, 3 hours.
- 4713 Automotive Design (3) F (odd numbered years)**
 The fundamentals of designing vehicles based on current and evolving technology. A broad set of topics will be addressed giving the student a basic understanding of the principles involved in vehicle design. Prerequisite: Mechanical Engineering 3703, 3413. Lecture, 3 hours.
- 4723 Heating Ventilating and Air Conditioning (HVAC) (3) SP (odd numbered years)**
 The fundamental theoretical principles and practical considerations in the design of various HVAC equipment and systems. A broad set of topics will be addressed giving the student a basic understanding of the principles involved in HVAC design. Corequisite: Mechanical Engineering 3803. Lecture, 3 hours.
- 4733 Alternative Energy Sources (3) SP (odd numbered years)**
 Fundamental principles of alternative energy. Covers the major alternative energy sources: wind, solar, tidal and wave energy, biomass, biofuels, geothermal, fuel cells and hydrogen. Prerequisites: Electrical and Computer Engineering 2013, Mechanical Engineering 3703. Lecture, 3 hours.
- 4743 Survey of Aerospace Engineering (3) SP (even numbered years)**
 Flight and flight vehicles both within and outside the atmosphere, airfoil and wing aerodynamics, aircraft performance, introduction to aircraft stability and control, orbital mechanics, atmospheric re-entry, air-breathing and rocket propulsion systems, aerospace structures and materials. Prerequisites: Mechanical Engineering 2123. Corequisite: Mechanical Engineering 3803. Lecture, 3 hours.



Dr. Fort Gwinn, Professor of Mechanical Engineering and Chair of the department, demonstrates the Bison Bot during a Lipscomb basketball game.

College of Pharmacy and Health Sciences

Roger L. Davis, *Professor and Dean*

The College of Pharmacy and Health Sciences is focused on achieving academic excellence and committed to Christian service while educating individuals for careers in healthcare delivery. The College provides a variety of undergraduate, graduate, and professional degrees dedicated to the delivery of patient care and well being. The College of Pharmacy and Health Sciences teaches students to live a life of Christian service and is committed to preparing students to serve mankind.

The undergraduate portion of the College of Pharmacy and Health Sciences is comprised of the School of Nursing and the School of Health Sciences. The School of Nursing program is in a period of enhancements during 2010-11 year. During this time, Lipscomb University will build on its strong beginning (the Lipscomb/Vanderbilt Nursing Partnership). Class work will occur on Lipscomb's campus and the clinical work will take place in a variety of settings. It is an exciting time for the School of Nursing as it grows and continues to fill a need for our society. The School of Health Sciences is comprised of the Department of Kinesiology and the Department of Nutrition. Both programs are designed to enrich students' lives while teaching them the care of others.

The College of Pharmacy and Graduate Studies in Exercise and Nutrition Science comprise the graduate programs for the College of Pharmacy and Health Sciences. The College of Pharmacy is steeped in the traditions of public service, focused on health care delivery to the public, and committed to the principles of Christian service. The College of Pharmacy curriculum is a four-year doctoral program requiring a minimum of 66 semester credits in prescribed courses. The Graduate Studies in Exercise and Nutrition Science is a 32-36 hour program combining the disciplines of Exercise Science and Nutrition. Students graduate with a M.S. in Exercise and Nutrition Science.

The overall goal of the College of Pharmacy and Health Sciences is to produce competent, caring and companionate health care professionals that exemplify a commitment to a Christian life of service. For additional information on any of these programs, please call 615-966-7160.

Professional Studies College of Pharmacy *Doctor of Pharmacy*

Graduate Studies Exercise and Nutrition Science *Master of Science in Exercise and Nutrition Science*

Undergraduate Studies School of Nursing *Bachelor of Science in Nursing*

School of Health Sciences Department of Kinesiology *Bachelor of Science* Department of Nutrition *Bachelor of Science*



A student works on an experiment in a pharmacy lab

College of Pharmacy

Roger L. Davis, *Professor and Dean*

The Lipscomb University College of Pharmacy is steeped in the traditions of public service, focused on health care delivery to the public, especially those that are underserved, and committed to the principles of Christian service. The Accreditation Council on Pharmacy Education (ACPE) accredits Doctor of Pharmacy programs offered by Colleges and Schools of Pharmacy in the United States and selected non-US sites. For a Doctor of Pharmacy program offered by a new College or School of Pharmacy, ACPE accreditation generally involves three steps: Precandidate accreditation status, Candidate accreditation status and Full accreditation status. (Detailed descriptions of these levels of accreditation can be found on the ACPE website www.acpe-accredit.org)

Candidate status is awarded to a Doctor of Pharmacy program that has students enrolled, but has not yet had a graduating class. The Doctor of Pharmacy program of the Lipscomb University College of Pharmacy was awarded Candidate accreditation status during the June 24-28, 2009, meeting of the ACPE Board of Directors based upon an on-site evaluation conducted on April 27-29, 2009, and discussion with University and College officials. If the program continues to develop as planned, full accreditation of the Doctor of Pharmacy program will be considered by the Board following the initial graduation of students from the program in 2012.

The College of Pharmacy will enroll 75 student pharmacists per class each year for a cohort of 300 students within the four year curriculum of the College.

The Lipscomb University College of Pharmacy curriculum is a four-year doctoral program involving three years of integrated scientific and clinical coursework along with introductory practice experiences followed by a year of advanced practice experiences. The program will prepare “generalists” in pharmacy practice. Student pharmacists will graduate from the College with advanced knowledge and skills applicable for a variety of practice settings in medication therapy management; community, hospital, long term care, and other specialty practices; health care management, health outcomes research, leadership, and basic science research.

To provide the proper foundation for students entering the College of Pharmacy doctoral program there must be a minimum of two years of pre-pharmacy work completed which consists of at least 66 semester credits in prescribed courses. The pre-pharmacy curriculum is outlined below.

Lipscomb University College of Pharmacy Pre-Pharmacy Requirements

| <u>Course</u> | <u>Minimum Semester Credit Hours</u> |
|--|--------------------------------------|
| General Chemistry with Laboratories | 8 |
| Organic Chemistry with Laboratories | 8 |
| Physics with Laboratories | 4 |
| Biology with Laboratories | 8 |
| Calculus* | 3 |
| Statistics | 3 |
| English Composition I (or Lipscomb Seminar) and II | 6 |
| Speech Communications | 3 |
| Micro or Macro Economics | 3 |
| Electives - Humanities | 6 |
| Electives - Social Science | 6 |
| Additional Electives | <u>8</u> |
| TOTAL Hours (Minimum) | 66 |

*Calculus for Business majors is not accepted.

Pre-Pharmacy

The following suggested proposed courses of study are designed to prepare a student for admission to the Lipscomb University College of Pharmacy. Please discuss a course of study with your advisor to meet individual requirements.

For students prepared to start with MA 1314 Calculus I:

| | F | S |
|------------------------------|--|--|
| Lipscomb Seminar | 3 | |
| Bible 1073, 1083 | 3 | 3 |
| Chemistry 1113, 1123 | 3 | 3 |
| Chemistry 1211, 1221 | 1 | 1 |
| English 1123 | | 3 |
| Math 1314 | 4 | |
| Biology 1134 | | 4 |
| General Edu. Course/Elective | 3 | 3 |
| | <hr style="width: 50%; margin: 0 auto;"/> 17 | <hr style="width: 50%; margin: 0 auto;"/> 17 |

For students prepared to start with MA 1113 Algebra or MA 1115 Pre-Calculus

| | F | S |
|------------------------|--|--|
| Lipscomb Seminar | 3 | |
| Bible 1073, 1083 | 3 | 3 |
| Chemistry 1113, 1123 | 3 | 3 |
| Chemistry 1211, 1221 | 1 | 1 |
| English 1123 | | 3 |
| Biology 1134 | | 4 |
| Above courses AND: | | |
| Math 1113, 1123 | 3 | 3 |
| Communication | 3 | |
| | <hr style="width: 50%; margin: 0 auto;"/> 16 | <hr style="width: 50%; margin: 0 auto;"/> 17 |
| OR | | |
| Math 1115 | 5 | |
| Communication 1003 | | 3 |
| | <hr style="width: 50%; margin: 0 auto;"/> 15 | <hr style="width: 50%; margin: 0 auto;"/> 17 |

Please visit our website at <http://pharmacy.lipscomb.edu> for the most up to date information regarding the College of Pharmacy. Students may also contact the College of Pharmacy by e-mail at pharmacy@lipscomb.edu.



Commencement exercises, Allen Arena

School of Nursing

Roger L. Davis, *Dean*
Sydney Clayton, *Pre-Clinical Coordinator*

Lipscomb University offers a Bachelor of Science in Nursing (BSN) degree. The first class to be awarded this degree graduated in May of 2007. The nursing program during 2010-11 will be in a period of enhancement. The 4/4 program will be fully implemented in August 2011. The nursing program at Lipscomb will consist of 4 semesters of prerequisite courses that are foundational to the upper division nursing courses taught the following 4 semesters. Upon successful completion of the prerequisite and upper division coursework, a student will be awarded a BSN degree from Lipscomb. A student must first complete 4 semesters of required courses, then formally apply to the School of Nursing to complete 4 semesters of classroom, lab, and clinical education specific to nursing. A student who completes this program of study will have had the experience of multiple clinical placements prior to graduation. This degree provides a student with training in nursing education, strongly complimented by extensive study in the humanities and social studies. Thus, the student will be well prepared to function as a bachelor's degree nurse and also have the necessary foundation to pursue masters and doctoral studies in nursing.

Nursing Program Objectives

Graduates of the Lipscomb University BSN program will be able to:

1. Synthesize knowledge from nursing, the humanities, and the biophysical and social sciences into the practice of professional nursing.
2. Demonstrate skills in critical thinking, decision making, information management, and use of the nursing process with individuals, families and groups experiencing complex health problems.
3. Evaluate the usefulness of and apply research findings to professional nursing practice.
4. Teach and counsel individuals, families, communities, and other groups about health, illness and health-seeking behaviors.
5. Provide health care to culturally diverse populations in a variety of environments, both independently and in collaboration with other health care team members.
6. Demonstrate leadership qualities in addressing professional nursing and health issues.
7. Demonstrate accountability for decisions about nursing practice.
8. Demonstrate awareness of the historical and current aspects of economic, political, legal and ethical issues related to health care in society.
9. Demonstrate awareness of nursing roles within the health care system.

Essential Competencies for Nursing Practice

Practice as a registered nurse requires many competencies, such as the functional abilities listed below:

- Ability to see, hear, touch, smell, and distinguish colors.
- Ability to speak and write with accuracy, clarity, and efficiency.
- Manual dexterity, gross and fine movements.
- Ability to learn, think critically, analyze, assess, solve problems, and reach judgment.
- Emotional stability and ability to accept responsibility and accountability.

All students enrolled in the BSN program must satisfactorily demonstrate these competencies in the didactic, laboratory, seminar, and clinical courses throughout their program of studies.

Admission/Graduation Policies

Students who are interested in nursing at Lipscomb University must meet the same criteria for admission to Lipscomb. Upon admission to the university, students may declare a pre-nursing major and begin the coursework that is foundational to the upper division nursing program. Admission to the upper division nursing major will be consistent with the admission policies established by Lipscomb. Students must complete the prescribed prerequisite courses. Two of the six required courses will be offered during the nursing upper division course work.

The Bible requirement for students in this program will be fulfilled in the same manner as with all other Lipscomb students during the semesters they are taking classes at Lipscomb.

Students will be admitted to the upper division major after completing four semesters of general education and pre-clinical courses at Lipscomb. Admission to the clinical nursing program is based on the following factors:

1. Undergraduate Grade Point Average. Applicants must have at least a cumulative B (3.0) in the prescribed 89 hours as well as a 3.0 grade point average in all pre-nursing courses and no more than one C in the required biology and chemistry courses.
2. Letters of Recommendation. (Three letters of reference are required - 2 from faculty, 1 character reference.)
3. Interview. An interview survey is required.
4. Goal Statement. A concise statement of your career goals as a nurse.
5. Health History. Students are required to submit documentation of a negative tuberculin skin test or chest X-ray, Hepatitis B vaccine, MMR vaccine, tetanus vaccine, varicella titer (students testing negative are required to be immunized), and/or other appropriate immunizations to the Student Health Center before initial registration of clinical courses. A physical exam is required within the last six months (good physical and mental health).
6. A clear criminal background check is required by the clinical agencies.
7. Meet eligibility requirements for licensure in Tennessee.

Graduation requirements for a BSN will be completion of all required courses for the nursing major for a total of 132

semester hours. A minimum acceptable cumulative grade point average for graduation is a 3.0 and a “D” is an unacceptable grade in any course required for the nursing degree. Upper division nursing students must also achieve a grade of a “B” in a clinical nursing course. Students must earn a 3.0 each semester.

Professional Opportunities

Upon successful completion of the national board exam (NCLEX), graduates may enter the field of nursing immediately, working in hospitals, clinics, doctor’s offices, nursing homes. They might continue their nursing education by entering a Master of Nursing program and developing a specialty in nursing such as Family Nurse Practitioner, Psychiatric Nurse Practitioner, Nurse Midwife, Adult Nurse Practitioner, Pediatric Nurse Practitioner, Women’s Health specialist, or others.

Transfer Credit

Students in the nursing major may transfer no more than 40 credit hours from an accredited college or university. All science courses must be taken at LU.

Requirements for Major

Nursing Major

B.S.N. degree program

Total hours required - 132

Specific courses required -

Lipscomb courses

Bible 3153*

Biology 2424, 2434, 2444

Chemistry 1024, 1034

Family and Consumer Sciences 2613

Mathematics 2183 or Psychology 2503

Nursing 3152, 3252, 3313, 3354, 3455, 3552, 4162, 4173, 4211, 4221, 4283, 4365, 4374, 4464, 4472, 4482, 4552

Psychology 1113, 2423, 4423

Requirements for a science minor are included.

*Meets requirement for Bible 3213, 3433, 4213

NURSING (NURS)

Note: Courses and their sequencing are subject to change with the implementation of the 4/4 curriculum in the Lipscomb Nursing program.

3152 Foundations of Professional Nursing I (2)

This course is the first of a two course sequence addressing professional nursing. This course introduces the student to professional nursing. Historical beginnings, the organization and structure of the professional identity, and role development are explored. Building on this content, students are introduced to theories and models relevant to nursing. Using critical thinking, students will be introduced to clinical decision-making strategies, theory development and research methods. With guidance, students will analyze and synthesize information from a variety of sources related to professional nursing.

3222 Population-Based Health Care (2)

This course provides the student with an opportunity to explore population-based health care principles of prevention, health maintenance and health promotion within the context of Healthy People 2010. Notably, the course will focus on how these principles are used to increase healthy lifespan, decrease discrepancies in health status and health outcomes for different populations and assure access to preventive services for all. It emphasizes epidemiologic principles and population based holistic health promotion/disease prevention as an integral part of populations at risk for illness, disability, or premature death. Further, the course explores population-based care models and environments in which health care is delivered: community agencies, neighborhoods/communities, schools, the family, and the workplace. Legislation and policy implications for primary, secondary, and tertiary care will be discussed.

3313 Orientation to Nursing (3)

This course introduces the beginning nursing student to the professional nursing role as it is unfolding at present in health care systems: hospitals, geriatric care facilities and the community. Current concepts of nursing will be identified. The student will be acquainted with nursing from a historical perspective, national nursing trends, other health care disciplines and health care delivery systems. Nursing research and theory, ethical, cultural and legal issues will also be introduced. The relationship of nursing to Christian service and spiritual health is also explored.

3354 Human Experience of Health and Illness Across the Lifespan I (4)

This is the first of three didactic courses examining the human experience of health and illness across the lifespan from infancy through senescence, including the childbearing cycle. The framework incorporates the following concepts and their influence on health and the response to illness: growth and development, gender, lifestyle, value systems, spirituality, ethnicity, environment, and psychosocial, economic, and cultural issues. The impact of these factors on individuals, families, and aggregates, populations, communities will be explored. Basic concepts/knowledge of selected interventions, i.e. pharmacologic, perioperative, and mental health will be introduced. Selected health problems involving the cardiovascular, respiratory, integumentary, and endocrine systems will be presented; the epidemiology, pathophysiology, medical management (pharmacologic, non-pharmacologic, and surgical), and nursing management will be addressed. Health promotion, including primary, secondary, and tertiary, anticipatory guidance, and patient education will be discussed.

3421 Nursing Externship (1)

This course is an elective clinical practice of planned and supervised clinical experiences. Seminar and independent research will be utilized to meet course requirements for the work-study experience. Students will spend approximately 288 hours (36 hours per week) in the clinical affiliate on day, evening, night and weekend shift and 10 hours in seminar (total=288 hours) working with a RN preceptor. Prerequisites: Nursing 3152, 3252, 3354, and 3455. Students who meet the following requirements must be chosen by a selection committee and approved by the Director of the Nursing Program to enroll in course: must be a current LU nursing student, complete all didactic nursing courses with a minimum grade of “C”, a minimum grade of “B” in clinical courses, a minimum cumulative GPA of 3.0, current BCLS, have current health records requirements.

3455 Fundamentals of Clinical Practice (5)

This course is the first of a sequence of three clinical practice courses designed to provide the student with the opportunity to learn and practice the skills of assessment, patient care and care planning in a didactic classroom setting and a simulated laboratory and then in

- a clinical area for a variety of client populations across the life span (newborn, pediatric, adolescent, adult, older adult, and child-bearing families). A variety of health care settings will be utilized for practice. At the end of the course, the student, with minimal faculty assistance and guidance, will be able to analyze data, develop a basic plan of care, safely and accurately implement selected basic nursing interventions, and evaluate the plan's effectiveness. Corequisites: Nursing 3152, 3252, 3354, 3552.
- 3552 Basic Pharmacology I (2)**
This course is the first of two didactic courses addressing pharmacology in nursing. An introduction to pharmacologic knowledge, clinical foundations for drug use as a treatment modality, and the role of the nurse in drug therapy are presented. The course will present content on the prototype drug from major drug classifications that serve as a framework for continued self-study of new drug information. Emphasis will be on the drug classifications and their respective prototype drug(s) that are more commonly encountered in drug therapy.
- 401V Independent Study in Nursing (1-6)**
This course may be taken only with the approval of the Director of the Nursing Program. Selected topics within nursing education are offered. This course is offered only to upper division nursing majors.
- 4162 Professional Nursing Seminar (2)**
This course addresses the role of the professional nurse. The student will have the opportunity to explore the dimensions and responsibilities of the professional nursing role by applying legal/ethical concepts and critical thinking skills to selected case studies involving patients in a variety of settings. Prerequisites: Nursing 3152, 3252, 3455. Corequisites: Nursing 4365, 4464.
- 4173 Foundations of Professional Nursing II - Research (3)**
This course is the second of a two course sequence addressing professional nursing. Students will evaluate existing nursing theories and models and apply them to practice. Students will apply appropriate research findings into practice, analyze current developments in nursing, and critique the impact of nursing care on clinical outcomes. Prerequisites: Nursing 3152.
- 4211 Care of the Elderly Client Practicum (1)**
This didactic course is designed to provide the student with additional specific knowledge related to health issues facing the older adult including: aging demographics; attitudinal issues, myths, and stereotypes of aging; theories of aging; impact of ethnicity on aging. The focus of the course will be on critical thinking and utilization of the nursing process in care of older adults.
- 4221 Management Practicum (1)**
This clinical course is intended to assist students in the integration of theory and practice as they approach the completion of the nursing major. Students will choose a clinical area for advanced clinical experience under faculty guidance. Emphasis will be placed on synthesis of previous and concurrent learning as students simulate the role of an entry level professional nurse. Clinical goals include development of independence in nursing practice, skill in clinical decision making, and application of nursing leadership and management theory. Prerequisite: Nursing 4482.
- 4283 Health Care Systems (3)**
This course addresses health care systems and their related issues. Course content focuses on leadership and decision making theory, team building, communication and management skills. The course also provides information related to contemporary trends in the organization and delivery of health care to individuals, families, and populations. The impact of managed care and financial pressures on health care providers is discussed along with outcomes management, informatics, financial management, and economic principles. Prerequisite: Nursing 3252.
- 4365 Human Experience of Health and Illness Across the Lifespan II (5)**
This is the second of three didactic courses examining the human experience of health and illness across the lifespan—from infancy through senescence, including the childbearing cycle. The framework incorporates the following concepts and their influence on health and response to illness: growth and development, mental health, gender, lifestyle, value systems, spirituality, ethnicity, environment, and psychosocial, economic, and cultural issues. The impact of these factors on individuals, families, and aggregates will be explored. Selected health problems involving the neurologic (including selected mental health disorders with appropriate treatment modalities and settings), muscular/skeletal, gastrointestinal, sensory (ear, eye, nose), and reproductive (including maternity focus) systems will be presented. The epidemiology, pathophysiology, medical management (nonpharmacologic, and surgical), and nursing management will be addressed. Health promotion, including primary, secondary, and tertiary, anticipatory guidance, and patient education will be discussed. Pre/corequisites: Nursing 3152, 3354.
- 4374 Human Experience of Health and Illness Across the Lifespan III (4)**
This is the third of three didactic courses examining the human experience of health and illness across the lifespan—from infancy through senescence, including the childbearing cycle—with an emphasis on increasingly complex and/or chronic health problems. The course provides the student with the theoretical basis to apply principles of chronic illness, including assessment and intervention skills, to at risk populations. Prerequisite: Nursing 3354, 4365. Corequisite: Nursing 4162
- 4464 Integration of Theoretical and Clinical Aspects of Nursing I (4)**
This course is the second of a sequence of three clinical practice courses. It is designed to provide the student with the opportunity to integrate theory and practice the skills of assessment, patient care, and care planning in a clinical area for diverse client populations across the life span (newborn, pediatric, adolescent, adult, older adult, and child-bearing families). A variety of health care settings will be utilized for practice. At the end of the course, the student with moderate faculty assistance and guidance will be able to analyze data, develop a basic plan of care, safely and accurately implement selected nursing interventions, and evaluate the plan's effectiveness for physiologic and psychosocial health needs. Prerequisites: Nursing 3152, 3252, 3354, 3455, 3552. Corequisites: Nursing 4162, 4283, 4365.
- 4472 Integration of Theoretical and Clinical Aspects of Nursing II (2)**
This course is the final rotation of the second in the sequence of three clinical practice courses. This course is designed to provide the student with the opportunity to learn and practice the skills of assessment, patient care, and care planning in a clinical area for diverse complex client populations across the life span (newborn, pediatric, adolescent, adult, older adult, and child-bearing families). A variety of health care settings will be utilized for practice. At the end of the course, the student, with moderate faculty assistance and guidance, will be able to analyze data, develop a basic plan of care, safely and accurately implement selected nursing interventions, and evaluate the plan's effectiveness for physiologic and psychosocial health needs of the complex clients, their families, and the health needs of a community. Prerequisites: Nursing 3152, 3252, 3354, 3455, 3552, 4162, 4211, 4365, 4464; Corequisites: Nursing 4173, 4283, 4374.
- 4482 Integration of Theoretical and Clinical Aspects of Nursing III (2)**
This course is the third of three clinical practice courses. This course is designed to provide the student with the opportunity to learn and practice the skills of assessment, patient care, and care planning in a clinical area for diverse complex client populations. A variety of health care settings will be utilized for practice. At the end of the course, the student, with minimal faculty assistance and guidance, will be able to analyze data, develop a basic plan of care, safely and accurately implement selected nursing interventions, and evaluate the plan's effectiveness for physiologic and psychosocial health needs of the complex clients, their families, and the health needs of a community. Prerequisites: Nursing 4173, 4365, 4464, 4552; Corequisites: Nursing 4283, 4374, 4472.
- 4552 Basic Pharmacology II (2)**
This is the second of two didactic courses addressing pharmacology in nursing. The course will build on the knowledge base of the student related to major drug classifications and their respective prototypes that are commonly encountered in drug therapy.



Beaman Library

School of Health Sciences

School of Health Sciences



McFarland Hall



A variety of exercise science courses are offered through the Department of Kinesiology.

Department of Kinesiology

Kent D. Johnson, *Professor and Academic Chair*

Anna Rose Anderson, *Instructor*

April Ezell, *Instructor*

J. Lynn Griffith, *Professor*

Ruth N. Henry, *Associate Professor*

The Department of Kinesiology is dedicated to serving its students by integrating Christian faith and practice with academic excellence while preparing students for careers in Exercise Science, Health and Physical Education and Coaching. Exercise Science students typically enter careers in the Health and Fitness Industry, or pursue graduate work in Exercise and Nutrition Science, Exercise Physiology, Cardiac Rehabilitation, Athletic Training, or other Health Science areas, such as Physical Therapy, Occupational Therapy or Therapeutic Recreation. Students interested in the NCATE-approved Health and Physical Education Teaching option work in conjunction with the Department of Education preparing for a teaching career. The Department of Kinesiology also provides all university students opportunities for developing healthy and active lifestyles through the general activities program. A wide variety of sports, fitness activities and lifetime fitness classes is available for all students through the General Education Curriculum.

Distinctives of the Kinesiology Department

Exercise Science is an interdisciplinary degree program designed to prepare students for work opportunities or graduate/professional school. Students must complete a clinical/field experience in the summer of their senior year as part of their degree program. Nashville provides ample settings for practical experience, regardless of the student's specific academic interest. In previous years, students have gained valuable experience in local hospitals, clinics, rehabilitation centers, health and fitness facilities and YMCAs.

The Kinesiology Department has an Exercise Science Lab to help broaden students' professional experiences. The lab provides an environment for students to engage in undergraduate research or gain valuable practical experience (equipment includes: metabolic cart, electrocardiography machines, body composition, treadmills, bikes, blood pressure cuffs and other measurement devices.)

The Health and Physical Education program is designed to prepare students for careers as teachers in public and private school settings. These students gain valuable experiences by classroom observations and student teaching. There are abundant opportunities to grow professionally through the state professional organization (TAHPERD) and participation in local programs of excellence (Demonstration Schools). Upon graduation, most students enter the teaching profession.

Career Opportunities

Exercise Science

Fitness Professional in Corporate/Hospital setting

Personal Trainer, Strength and Fitness Coach

Graduate School in Exercise and Nutrition Science, Exercise Physiology, Cardiac Rehabilitation, Athletic Training

Health Science (Physical Therapy, Occupational Therapy, Therapeutic Recreation)

Health and Physical Education (teaching, K-12)

Teaching elementary or secondary Health and Physical Education

Coaching

Graduate School in Physical Education

Requirements for Majors

Exercise Science Major

B.S. degree program only

Total hours required—68

Specific courses required—

Athletic Training 3002

Biology 1134, 1144, 3514, 3524

Exercise Science 2533, 3002, 3363, 4113, 4123, 4133, 4143, 4152, 4224

Health 1303, 3302

Nutrition 2613

Management 3503

Marketing 3503

Physical Education 2203, 2402, 4323, 4502

All students majoring in Exercise Science must achieve a "C" or above in all Department courses required for the Exercise Science major.

Health and Physical Education Teaching Major (K-12)

B.S. degree program only

- I. General Education Required of Secondary and K-12 Teacher Education Students (see Education Department section)
- II. Professional Education (see Education Department section)
- III. Subject Matter Specialization
 - Biology 2213
 - Exercise Science 2533, 3002, 3363, 4113, 4152
 - Health 1303, 3302, 4342
 - Physical Education 1181, 2001, 2203, 2402, 2742, 3343, 3381, 3383, 4323, 4502
 - One activity course (lifetime sport) selected from Physical Education 1031, 1111, 1161, 1311, or InnV
 - One elective activity course from Physical Education 1001-2001 not already taken
 - Psychology 3513
 - Sociology 2103

All students majoring in Health and Physical Education Teaching must achieve a “C” or above in all Department courses required for the Health and Physical Education Teaching major. Health and Physical Education Teaching majors have a built-in minor in education and are not required to take another minor.

Requirements for Minors

Coaching Minor

Total hours required—21

Specific courses required—

- Athletic Training 3002
- Exercise Science 2533, 3002, 4113
- Health 3302
- Physical Education 2222, 2402, 3452, 4223

Exercise Science Minor

Total hours required—21

Specific courses required—

- Athletic Training 3002
- Biology 2213 or Biology 3514 and 3524
- Exercise Science 2533, 4113, 4133, 4224
- Nutrition 2613

Health Minor

Total hours required—18

Specific courses required—

- Health 1303, 3302
- Nutrition 2613
- Psychology 3513

Elective courses include (7 hours chosen from the following):

- Health 4342
- Psychology 2313, 2423, 3453
- Sociology 1123, 2103

ATHLETIC TRAINING (AT)

3002 Prevention and Care of Athletic Injuries (2) SP

A comprehensive study of the methods of preventing and caring for injuries incurred in an athletic, exercise science, or physical education program. Emphasis is placed upon the practical aspects of care and treatment.

EXERCISE SCIENCE (EX)

2533 Kinesiology (3) F, SU (Honors Credit Available)

A study of the science of human motion. Emphasis is upon anatomical analysis of body movement. This course embraces such areas as physics for mechanical and gravitational laws, anatomy for structures of bone, muscle, and nerve, and physiology for the action of muscle and nerve. Prerequisite: Biology 3514 and 3524 or Biology 2213 recommended.

3002 Mechanics of Movement (2) SP

A study of the practical application of muscular movement and motor patterns to exercise and sport. Prerequisite: Exercise Science 2533.

3363 Statistical Analysis of Human Performance (3) F

This course is designed to help students learn elementary statistical methods and applications of these methods in a physical education, exercise science, or physical therapy setting. The course content will cover basic descriptive and inferential statistical analyses, with an emphasis on the correct application of analyses. The course also involves measurement concepts in research for all types of human performance. Students will be introduced to the SPSS computer application. Prerequisites: Either Mathematics 1043, 1053, 1113, 1123 or 1314.

4113 Exercise Physiology (3) F (Honors credit available)

A study of the physiologic adaptations during exercise and sport performance. Topics include nutrition and sports performance, metabolism and energy pathways, pulmonary, ventilatory and cardiovascular regulations during exercise, muscle function during exercise performance and the effects of exercise on body composition. Prerequisites: Biology 3514 and 3524 or 2213 or permission of instructor.

4123 Exercise Physiology Lab (3) SP

A laboratory class designed to assess the topics covered during Exercise Physiology. Lab topics include graded exercise testing (GXT), resting and exercise electrocardiography, strength and power assessment and other clinical exercise tests. Prerequisite: Exercise Science 4113.

4133 Exercise Evaluation and Prescription (3) SP

A study of health and fitness evaluation and prescription objectives. This course is designed to meet the KSA's for the ACSM HFS certification exam. Prerequisite: Exercise Science 4113.

4143 Special Topics in Exercise Science (3) SP

This course focuses on special areas in Exercise Science. Topics include exercise response under extreme physical stress, exercise

and environmental conditions, exercise in children, exercise and the geriatric population, ergogenic aids and sports performance, and exercise in other special populations. Prerequisite: Exercise Science 4113.

4152 Principles of Teaching Conditioning Exercise (2) SP

This course will introduce students to a variety of methods of teaching and leading aerobic and resistance training exercise in a group and/or individual setting. Each student will be instructed on and given practical experience in teaching and leading several types of exercise, including: aerobics, water exercise, strength/toning and strength/resistance exercise. Prerequisites: Exercise Science 2533, 4113. This course *may satisfy* the SALT Tier II requirement.

4224 Externship in Exercise Science (4) SU

The student will select a wellness center, fitness center, or clinical site for practical experience. Prerequisites: Exercise Science 4113, 4133 and senior status.

480V Independent Study and/or Research in Exercise Science (1-4) F, SP, SU

This course is designed to give students an opportunity to participate with faculty on an independent project in Exercise Science or Physical Education. Students should select an appropriate project and under the guidance of a faculty member, complete the proposed project. The project can be either laboratory or library oriented. A paper is usually required at the completion of the course. Repeatable for credit (maximum credit six hours). Prerequisite: Permission of academic chair.

HEALTH (HL)

1303 Healthful Living (3) F, SP

An examination and application of the facts and principles of the science of health and nutrition as they pertain to personal, family, and community welfare.

3302 First Aid and Emergency Care (2) F, SP, SU

A course designed to provide the student with knowledge and skills to meet the needs of most situations requiring emergency first aid care, with emphasis on personal safety and accident prevention. Basic Life Support (BLS) and Standard First Aid courses completion certificate will be given.

4342 Teaching Health and Wellness (2) SP (even-numbered years)

A course consisting of history, philosophy, current trends, basic issues, and principles underlying health education. On the basis of these principles, a critical appraisal is made of the health curriculum at the various grade levels, health teaching methods, and units for teaching in health.

PHYSICAL EDUCATION ACTIVITY COURSES (PE)

(PE 1001-2001 satisfy the general education physical education activity requirement.)

1001 Physical Fitness (1) F, SP

A course designed to emphasize conditioning activities, fitness testing and self-evaluation.

1021 Volleyball (1) F, SP

Instruction in the fundamental skills and basic knowledge of volleyball.

1031 Golf (1) F

Instruction in the fundamental skills and basic knowledge of golf. Fee required.

1091 Softball (1) F

Instruction in the fundamental skills and basic knowledge of softball.

1111 Badminton Fundamentals (1) F, SP

Instruction in the fundamental skills and basic knowledge of badminton.

1121 Jogging (1) F, SP, SU

Instruction in the proper way to improve physical fitness through walking, jogging, running, and stretching exercises.

1151 Weight Training (1) F, SP, SU

Instruction in the fundamental skills and basic knowledge of weight training.

1161 Racquetball (1) F, SP, SU

Instruction in the fundamental skills and basic knowledge of racquetball.

1181 Rhythm and Dance for Schools (1) SP

Instruction in rhythms and dance typically taught in a school setting.

1221 Aerobics (1) F, SP, SU

Instruction and participation in floor, low impact, and bench aerobics.

1311 Tennis Fundamentals (1) F, SP, SU

Instruction in the fundamental skills and basic knowledge of tennis.

InnV Selected Activities in Physical Education (1-2) F, SP, SU

This course will vary in content each semester. Possible topics include: disc golf, self-defense, SCUBA, backpacking, snow skiing, fitness yoga, Golf for Business and Life, and other possible offerings. May be taken more than once for credit, but the same topic cannot be repeated for credit. A special fee may apply, depending on the experience. Some topics have a prerequisite.

2001 Lifetime Fitness (1) F, SP, SU

A course designed to make students more aware of healthy lifestyle habits and help them make wise fitness/wellness decisions about their current and future lifestyle habits. Each student will participate in a fitness/nutrition evaluation and establish goals for an exercise program during the course.

PHYSICAL EDUCATION COURSES (PE)

2203 Foundations in Kinesiology (3) F

A general introduction to the field of kinesiology, designed to give the student an orientation into the historical background, nature, and opportunities available in the field.

2222 Introduction to Coaching (2) F (odd years on demand)

This course is designed to introduce students to the concepts of coaching. It will give students an overview of the coaching profession. Topics include: developing a coaching philosophy, incorporating sport science into coaching, the psychology of coaching, and managing athletes in today's society.

2402 Concepts of Motor Learning (2) F

A study of the psychological, physiological, and kinesiological acquisition of physical skills. This course also provides an in depth look at proper procedures for teaching simple and complex physical skills.

- 2742 Teaching Sport Skills (2) F (even-numbered years)**
 This course is designed to introduce students to a variety of individual and dual sports, team sports and various activities that are developmentally appropriate for middle and secondary physical education students. The content will cover the basic skills, rules, strategies and history of various activities.
- 3312 Camp Counseling (2) SP**
 The philosophy and objectives of an organized camping program are covered. An overnight camping trip and observations of recreational facilities are required in this course.
- 3323 Health, Physical Education, and Wellness for Children (3) F, SU**
 The physical education and wellness section of this course is designed to help students understand developmentally appropriate physical education for children in grades K-6. Major topics include: goals and objectives, human growth and development, curriculum (movement education, games and sports, educational gymnastics, rhythms, physical fitness and wellness), organization and planning, materials, teaching strategies, and assessment. The health section will involve a study of the organization and administrative details relative to the conduct of a school health program with emphasis on health services, healthful school living and health instruction.
- 3343 Teaching Secondary Physical Education (3) SP (odd-numbered years)**
 This course is designed to help students prepare to teach developmentally appropriate physical education to the middle and secondary school aged student. Major topics include: goals and objectives; human growth and development; adapted P.E. for special needs; history; organization and planning; teaching strategies and techniques; materials; curriculum; and evaluation. Prerequisite: Physical Education 2742.
- 3381 Teaching Elementary Physical Education Lab (1) F (odd-numbered years)**
 This course is designed to give Physical Education Majors the opportunity to observe and participate in developmentally appropriate physical education classes in a variety of settings and a variety of grade levels to help prepare them for their own teaching experience.
- 3383 Teaching Elementary Physical Education (3) F (odd-numbered years)**
 This course is designed to help students prepare to teach developmentally appropriate physical education to elementary and middle school aged children. Major topics include: goals and objectives; human growth and development; adapted P.E. for special needs; history; organization and planning; teaching strategies and techniques; materials; curriculum (movement education; games and sports; educational gymnastics; rhythms; physical fitness and wellness); and evaluation.
- 3452 Psychology of Coaching (2) F (even years on demand)**
 Psychological concepts as they relate to coaching individual, dual, and team sports.
- 4223 Field Experience in Coaching (3) SP (odd years on demand)**
 This course is designed to give students a coaching experience with an experienced coach. Requirements include logging 120 hours in two different sports, attending practice sessions, article reviews on the two sports, keeping a journal of learning experiences, and other requirements assigned by the coach or instructor. Prerequisite: Physical Education 2222, 3452 or permission of instructor.
- 4323 Administration of Exercise Related Programs (3) F**
 A course dealing with the plans of organization, supervision, administrative policies, budget and finance, legal aspects, staff, physical plant, equipment and facilities, scheduling programs of physical education, and the problems and procedures in conducting intramural and interscholastic athletic contests.
- 4502 Seminar in Kinesiology (2) SP**
 This course provides a review of the major concepts for those students in the department. The student will demonstrate a fundamental understanding of core competencies important to the discipline. To be taken in the student's last spring semester. Prerequisites: Exercise Science 2533, 3363, 4113, Physical Education 2203 and 4323. This course *may satisfy* the SALT Tier II requirement.



Department of Nutrition

Autumn C. Marshall, *Associate Professor and Academic Chair*

Nancy H. Hunt, *Assistant Professor*

Anne Lowery, *Director, Dietetics Internship Program*

The mission of the Department of Nutrition is to assist students with the ability to communicate effectively, to think critically, and to develop the breadth and depth of knowledge needed by its graduates for participation in careers in the field of nutrition. The primary purpose of the Department of Nutrition is to offer a strong, general Bachelor of Science degree in Nutrition from an accredited Didactic Program in Dietetics. This is done in the context of a private, Christian, liberal arts education. The overall focus of the department is to train individuals who can serve in a wide variety of roles, from medical nutrition therapy to public health to healthcare food service management. The knowledge base of this discipline includes concepts from the study of food and human nutrition, biology, chemistry, human development and social interaction, and resource management. The overall goal of the program is to assist students in obtaining placement in a Dietetic Internship (DI) Program to gain the supervised practice necessary to be eligible to write the Registration Examination for Dietitians.

Distinctives of the Nutrition Department

ADA Accredited Didactic Program

Lipscomb has a Didactic Program in Dietetics that is accredited by the American Dietetic Association. Students who seek to become Registered Dietitians must complete a 1200-hour supervised practice experience in an ADA-accredited dietetic internship program beyond graduation from Lipscomb. The undergraduate program's acceptance rate into dietetic internships is above 90%, much higher than the national average. Students in the Didactic Program study normal nutrition at all stages of life, nutrition in the treatment of disease, and the biochemistry of nutrition. Students gain experience in the field at an undergraduate level in nutrition education for all ages, clinical nutrition, and food systems management. An automatic minor in distributive science is built into the nutrition major. Details are provided by the Director of the Didactic Program in Dietetics (DPD) at Lipscomb.

Undergraduate Certificate Program in Dietetics

The undergraduate certificate program in dietetics provides the coursework necessary for gaining the foundation and skills needed in a dietetic internship program. Unlike the traditional didactic program, this program provides only the major courses and does not grant a second baccalaureate degree. The program is designed to meet the needs of students who already have a bachelor's degree, and provides the undergraduate coursework necessary to receive a certificate (Verification Statement) from an accredited DPD program. The Verification Statement grants the eligibility to enroll in an accredited dietetic internship program, which is necessary to complete before taking the Registration Examination for Dietitians.

Students are welcome to transfer hours into the program. However, a minimum of 18 hours must be completed at Lipscomb University. After a transcript review, students will be given a list of courses that remain to be completed at Lipscomb.

ADA Accredited Dietetic Internship Program

Lipscomb is the only college among the Christian colleges to house an accredited Dietetic Internship (DI) Program, and currently has Initial Accreditation status from the Commission on Accreditation for Dietetics Education (a part of the American Dietetic Association.) The program began in 2002, and is a post-baccalaureate, supervised practice program in which students complete more than 1200 hours of supervised practice and complete a minimum of 6 hours of graduate coursework. Interns complete rotations in a wide variety of settings, including the clinical, community, and food service areas. Interns attend the annual Food and Nutrition Conference and Expo, Nashville District Dietetic Association (NDDA) and Tennessee Dietetic Association (TDA) meetings, TDA's annual Day on the Hill conference, and an RD Exam review workshop. Upon completion of the internship, students are eligible to write the Registration Examination for Dietitians. Lipscomb's first time pass rate on the exam is higher than 80%, a requirement to maintain accreditation.

Career Opportunities

Students who choose a major in Nutrition at Lipscomb have numerous career opportunities in this field, including:

- Community nutrition
- Clinical nutrition
- Food journalism
- Food marketing
- Food systems management
- Education
- Wellness centers
- Sports nutrition
- Research and consultation

Requirements for Major

Dietetics Major

B.S. degree program only

Total hours required - 71

Specific courses required -

Accounting 2503
Biology 2213, 2321, 2424
Chemistry 1013, 1023, 1034
Exercise Science 4113
Family and Consumer Sciences 1213, 3213, 4213, 4223
Nutrition 2613, 3212, 3603, 3633, 4043, 4503, 4513, 4613
Management 3503, 4453
Mathematics 2183
Philosophy 3533
Psychology 1113
Sociology 1123

This major meets all competencies required by the American Dietetic Association for eligibility to apply for a dietetic internship. A minor in distributive science is built into this program.

All courses required for this major must be completed with a grade of "C" or higher or be repeated.

Requirements for Undergraduate Certificate Program

Undergraduate Certificate Program

Total hours required - 71

Specific courses required -

Accounting 2503
Biology 2213, 2321, 2424
Chemistry 1013, 1023, 1034
Exercise Science 4113
Family and Consumer Sciences 1213, 3213, 4213, 4223
Nutrition 2613, 3212, 3603, 3633, 4043, 4503, 4513, 4613
Management 3503, 4453
Mathematics 2183
Philosophy 3533
Psychology 1113
Sociology 1123

Requirements for Minor

Nutrition Minor

Total hours required—18

Specific courses required—

Family and Consumer Sciences 1213
Nutrition 2613, 3603, 3633 or 4613, 4503, 4513

NUTRITION (NUTR)

2613 Principles of Nutrition (3) F, SP

Nutritive value of foods and the factors influencing the body's requirements throughout the lifespan.

3212 Nutrition Education (2) SP

Effective methods of teaching, principles of effective communication, and techniques of interviewing and counseling for the professional in nutrition education. This course *may satisfy* the SALT Tier II requirement.

3603 Community Nutrition (3) F

A study of the nutritional needs of the people in the community and how to meet the needs. Includes program planning, implementation, evaluation, and field experience. Prerequisite: Nutrition 2613. This course *may satisfy* the SALT Tier II requirement.

3633 Nutrition Across the Lifespan (3) F

Presents the major special nutrition issues common at different period of the life cycle including pregnancy, infants, children, adolescents, and the elderly. Prerequisite: Nutrition 2613 or consent of instructor. This course *may satisfy* the SALT Tier II requirement.

37nV Special Topics (1, 2, 3)

Topics of special interest to students and faculty which do not fit one of the current classifications. Students may repeat this course when course numbers are different. These courses are advanced and are intended for students genuinely interested in their content. Permission of the professor may be required. Specific titles will be announced in the course schedule.

401V Independent Study and Research (1, 2, 3)

Advanced study or research in a specific area of family and consumer sciences. Prerequisites: Courses in the area in which independent study is to be done and with the approval of the academic chair. Open to juniors and seniors only. Offered on demand. This course *may satisfy* the SALT Tier II requirement.

4043 Internship in Dietetics (3) SU

Supervised field work in an institutions or agencies that provide nutrition services to individuals or families in the clinical, community, or food service areas. The student observes, works, and contributes to the typical operation of all three settings. Prearranged and supervised experience must be completed during one term, with regularly scheduled meetings with the instructor and/or supervisor. To be taken in the junior or senior year, after completing a minimum of nine upper-division hours in the concentration. May be repeated for up to 6 hours credit. Prerequisite: Nutrition 4513. This course *may satisfy* the SALT Tier II requirement.

4503 Medical Nutrition Therapy I (3) F

Therapeutic nutrition based on modification of the nutrients in a normal diet for prevention or correction of various cardiac, hepatic, pancreatic, and gastro-intestinal disorders. Prerequisites: NUTR 2613, BY 2213, and BY 2321 or equivalent.

4513 Medical Nutrition Therapy II (3) SP

Therapeutic nutrition based on modification of the nutrients in a normal diet for prevention or correction of various diseases: renal, cancer, diabetes, metabolic stress, and inborn errors of metabolism. Prerequisites: NUTR 2613, BY 2213, and BY 2321 or equivalent.

4613 Nutritional Biochemistry (3) SP

A senior level course discussing the biochemistry of digestion, absorption, and metabolism of foods and specific nutrients. Special emphasis will be given to the interrelationship of metabolic pathways and the impact of nutritional biochemistry on health and disease states. Prerequisites: Nutrition 2613 and 4503, Chemistry 1034, with a minimum grade of "C."

3/2 Lipscomb/Vanderbilt Nutrition Partnership

Autumn C. Marshall, *Director of the Lipscomb/Vanderbilt Nutrition Partnership*
Nancy Hunt, *Assistant Professor*

The 3/2 nutrition program at Lipscomb University is offered as a partnership between Lipscomb University (LU) and Vanderbilt University School of Nursing (VUSN.) LU provides the first six semesters of a liberal arts program of study and the subsequent four semesters of nutrition courses are provided by VUSN as a part of the Lipscomb/Vanderbilt agreement. The 3/2 nutrition program will provide the prerequisite dietetics courses that are foundational to the masters courses in nutrition to be taught at the VUSN. Upon successful completion of the combined programs of study, a student will be awarded a Bachelor of Science in Dietetics degree from LU and a Master of Science in Nutrition and Dietetics from VU. A student who completes this program of study will have had the experience of an academic career in both a liberal arts environment of a small university campus and a health sciences environment of a major research university. This unique combination of study on two differently oriented campuses will provide a student with training in nutrition and dietetics, strongly complemented by extensive study in the humanities and social sciences. Thus, the student will be well prepared to function as an advanced registered dietitian (upon completion of an accredited dietetic internship program and the registration exam) and also have the necessary foundation to pursue doctoral studies in nutrition and dietetics.

3/2 Nutrition Program Objectives

Graduates of the Lipscomb University BS in Dietetics will:

1. be qualified for acceptance into a dietetic internship program.
2. demonstrate competency in the Foundation Knowledge and Skills set forth by ADA for Entry-Level practice.
3. demonstrate integrity that meets or exceeds the expectations of internship directors and employers.
4. be prepared to demonstrate a commitment to community service.

Graduates of the VUSN MS in Nutrition and Dietetics Program will be able to:

1. function in advanced practice roles with expertise and advanced knowledge that enables them to work in complex environments independently or in collaboration with other members of the health care team.
2. apply advanced knowledge and skills by means of critical thinking, creative reasoning and evidence based investigation in practice environments.
3. disseminate nutrition knowledge and evidence to patients, consumers, and health care and food industry professionals.
4. assess, analyze, evaluate, and manage complex health environments that serve diverse populations to improve patient and population health outcomes.
5. apply advanced knowledge and skills and utilize available evidence to make individual, clinical and system based decisions that reflect professional values and ethical standards.
6. develop, test, and disseminate standards of care, clinical practice models and health policy using informatics, organizational and systems leadership skills.
7. advocate for clinical prevention, population health initiatives and evidence-based health policy through collaboration with other professionals and stakeholders.

Admission/Graduation Policies

Students who are interested in the 3/2 nutrition partnership at LU must meet the same criteria for admission to LU. Upon admission to the university, students may declare a dietetics major and begin the coursework that is foundational to the upper-division dietetics program. Admission to the upper division dietetics major will be consistent with the admission policies established by LU and VUSN. Students must complete the prescribed 132 hours of general education and major courses in order to complete the B.S. degree from LU.

The Bible requirement for students in this program will be fulfilled in the same manner as with all other LU students during the semesters they are taking classes at LU.

Students must complete two years of coursework (general education and dietetics requirements) before they can be officially admitted to the partnership on the Lipscomb side. If they have the required GPA after the third year at Lipscomb, they may then apply to be officially enrolled in the M.S. Program at Vanderbilt. Admission to the MS Program is based on the following factors:

1. Undergraduate Grade Point Average. Applicants must have at least a cumulative B (3.0) in the prescribed 120 hours as well as a 3.0 grade point average in all dietetics courses and no more than one C in the required biology and chemistry courses.
2. Letters of Recommendation. Two letters of reference from faculty are required.
3. Interview. An interview in-person or by telephone with the M.S. Program Director is required.
4. Goal Statement. A concise statement of career goals as an advanced practice dietitian.
5. A clear criminal background check is required.

Graduation requirements for a BS in dietetics will be completion of 132 semester hours in the program. A minimum acceptable cumulative grade point average for graduation is a 3.0 and a “D” is an unacceptable grade in any course required for the dietetics degree. Students must also achieve a grade of “B” in the undergraduate internship in dietetics course. Students must earn a 3.0 grade point average each semester.

Professional Opportunities

Graduates will be eligible to enroll in an accredited dietetic internship program to fulfill the requirements of eligibility to write the Registration Examination for Dietitians. Such internships are required by the Commission on Dietetic Registration and are accredited by the Commission on Accreditation for Dietetic Education. A minimum of 1200 hours of supervised practice as a dietitian must be completed in the Dietetic Internship Program in order to be eligible to write the exam. Both Lipscomb University and Vanderbilt University Medical Center have accredited Dietetic Internship Programs.

Requirements for 3/2 Partnership in Nutrition and Dietetics

Dietetics Major

B.S. and M.S. degree program

Total hours required – approximately 140 (approximately 98 at LU, plus 37 at VUSN)

Specific courses required –

Lipscomb courses

Accounting 2503

Biology 2213, 2321, 2424

Chemistry 1013, 1023, 1034

Exercise Science 4113

Family and Consumer Sciences 1213, 3213, 4213, 4223

Nutrition 2613, 3212, 3603, 3633, 4043, 4503, 4513

Management 3503, 4453

Math 2183

Philosophy 3533

Psychology 1113

Sociology 1123

Vanderbilt courses for Nutrition Informatics track

306, 380, 381a, 381b, 381c, 381d, 381e, 381g, 383, NUTR 310, NUTR 320, NUTR 321, NUTR 340, NUTR 341, and an elective chosen from NUTR 330, 342, 343, or 344

Vanderbilt courses for Nutrition Management track

303, 306, 380, 381a, 381d, 382, 383, 385, 388, NUTR 310, NUTR 320, NUTR 321, NUTR 340, NUTR 341, and an elective chosen from NUTR 330, 342, 343, or 344.

Note: For Vanderbilt course descriptions, please contact the Nutrition Department academic chair.



Elam Residence Hall

Honors College

Paul Prill, *Director*

The Honors College seeks to provide superior students with unique opportunities for intellectual challenge and growth. Classes are kept small in order that students and faculty members may exchange ideas in a format conducive to free discussion. Professors are chosen for their ability to inspire bright students to think and work independently and creatively, to develop intellectual curiosity, to express their ideas clearly and logically, and to respect the ideas of others. The college also encourages students to develop significant research interests and provides them with outlets on campus and at state and regional conferences to share their research with other students and faculty. In addition to the formal academic areas, the college seeks to help students develop by providing opportunities to attend musicals, plays, concerts, operas, lectures, and art exhibits. The college is affiliated with the National Collegiate Honors Conference and is listed in Peterson's Guide to Honors Colleges, 4th edition. For more information about Honors College visit the website at <http://honors.lipscomb.edu>. Students can also contact the director by e-mail at Paul.Prill@lipscomb.edu.

Requirements for Admission

Freshmen: Admission to The Honors College is competitive. Those seeking admission to the college must complete an application process. Incoming students must have a minimum ACT composite of 27 (SAT of 1220). Applications for The Honors College are available on the website noted above.

Other Students: Any student who has a 3.5 or higher GPA after the first semester may apply to be admitted to the college provided space is available. Transfer students who have participated in an Honors College or Honors Program at their previous institution may also apply to be admitted. Those entering the college after the first semester will need to meet with the Director to determine how they will satisfy the requirements for graduation.

Requirements for Completing The Honors College

Students may opt to finish The Honors College either as an *Honors College Graduate* or as an *Honors College Scholar*. In either case, a student must complete the core curriculum and must have at least a cumulative 3.5 GPA in all courses at graduation. The core reflects the philosophy of The Honors College that all courses should adopt an interdisciplinary approach to learning. **The following core curriculum for The Honors College does not add any additional hours to a student's normal course load.**

| | |
|---------|---|
| HN 1003 | Communication, Technology, and Society |
| HN 1103 | Honors Freshman Seminar |
| HN 2103 | Honors Literature |
| HN 2313 | Solving Complex Social Problems |
| BI 3213 | Faith and Culture (Honors) OR |
| BI 4213 | Biblical Ethics (Honors) |
| HN 3003 | Honors Seminar (may be repeated one time) |

In addition to completing curricular requirements, Honors College students must attend at least one major extracurricular activity (play, musical, opera, film) each year and at least two minor extracurricular activities (teas, recitals, lectures, films) each semester. Students must also attend two workshops in the spring of the freshman year. These workshops will focus on global learning and internship opportunities for honors students and on national competitive scholarships (Rhodes, Fulbright, Truman, etc.).

Finally, students must compile each year an electronic portfolio to document and reflect on their work in The Honors College during their four years at Lipscomb. Portfolios will assist students in preparing applications for graduate school and for national competitive scholarships. The portfolio will also be used to assist the Director and the Faculty of The Honors College in writing high-quality letters of recommendation for students.

The *Honors College Graduate* must complete an additional 6 hours, for 24 total hours, either by doing two honors contracts or by doing one honors contract and repeating the Honors Seminar. The *Honors College Graduate* must have at least one scholarly presentation at either a state or regional academic conference.

The *Honors College Scholar* will complete 31 hours of coursework, which will consist of the requirements for The *Honors College Graduate* plus 7 hours of work to plan, prepare, and defend an honors thesis or complete the SALT Scholar college. Students who plan to pursue a research-oriented graduate college should seriously consider the thesis option. Students who opt to become a Lipscomb University SALT Scholar must complete honors requirements in their SALT capstone to qualify as an *Honors College Scholar*. In addition, The *Honors College Scholar* must have at least two scholarly presentations either at the on-campus undergraduate research celebration or at a state or regional academic conference.

Students who complete The Honors College requirements will receive recognition on their transcript and in the commencement program at graduation. They will also receive a cord (*Honors College Graduate*) or a medallion (*Honors College Scholar*) to wear at the graduation ceremony.

Honors Contracts

Students who have earned at least 6 hours of honors credit can obtain honors credit by doing extra work in regular 2000-, 3000-, and 4000-level courses in their major or minor by means of a contract arrangement with the course instructor. The honors contract seeks to foster creativity and independence of scholarship as well as to develop a mentoring relationship with the faculty member. The contract project should add to the academic dimension of the course by introducing new material or by allowing the student to pursue in greater depth one of the topics on the syllabus. The project should be of sufficient scope for the student to present its results at a conference. The proposed contract must be approved by the Advisory Committee by the end of the third week of the semester.

Honors Caveat

If an honors student fails to maintain a cumulative 3.5 GPA in all courses, the student will be notified of his or her provisional status in The Honors College. Students who fail to achieve a 3.5 GPA after two additional semesters will be suspended from the college. A student may reapply once he or she has achieved a 3.5 GPA. A student who fails to attend the minimum extracurricular activities or who fails to maintain the electronic portfolio will also be notified of his or her provisional status in The Honors College. Students will have one semester to rectify the extracurricular requirements before being suspended from The Honors College.

Course Descriptions

The Honors College curriculum serves as a substitute for much of the general education requirement for the university. The approach is deliberately interdisciplinary, inviting students to explore and understand how each of the various branches of learning in the university talk to each other and how learning several disciplinary “languages” can encourage both a broader and deeper understanding of the questions and answers offered inside of all courses. Students in The Honors College should not think that they are getting rid of general education requirements. Rather they should focus on how this integrated curriculum encourages them to develop their abilities to learn, to speak, and to write about the significant issues within academic disciplines and within the civil society of which they are a part.

HONORS (HN)

1103 Honors Freshman Seminar (3)

This course sharpens a student’s ability to read, write, and speak at the collegiate level. The course focuses on helping students explore new ways of using different tools of thinking (analytics, imagination, metaphor, complexity, etc.) to focus on meeting the challenges of contemporary society.

(This course meets the requirements for LU 1103, Lipscomb Seminar.)

1113 Communication, Technology, and Society (3)

This course will examine the influence of new communication technologies and medical technologies on experience of human communication. In addition to covering some basic communication theory at the outset of the course, we will examine how cell phones, computers, Skype, social networking, PowerPoint, etc., have altered the landscape of interpersonal relationships, political campaigns, and public speaking. We will explore how the newest developments in biomedical technologies, such as fMRI, influence the ways in which we understand and detect human intention in communication. Finally, we will discuss the ethical implications of the brave new world of communication technology. Students will make several presentations during the class so that they practice the skills necessary to advance in their majors and careers.

(This course meets the requirements for CO 1003, Introduction to Communication.)

2103 Honors Literature (3)

Students will explore literature around a particular topic. The instructor will select a topic (gender, class, the other) and the select appropriate stories, poems, and plays from different time periods and from Western and non-Western literary traditions. In addition to reading the literature, students will read at least one non-fiction work addressing the topic under consideration. Topics for the class will be suggested by students at the end of each semester, by the professor, and/or by The Honors College Council.

(This course meets the requirements for Sophomore Literature.)

2313 Solving Complex Social Problems (3)

The class will focus on one social problem, say population and sustainability, and explore it from economic, political, scientific, and moral/theological perspectives. The course will be managed by one faculty member from one of these disciplines who will invite colleagues in for a week to discuss the particular perspective in which he/she has a specialty. Students will have in-class discussions about the problem from each perspective and about approaches which might address significant aspects of the problem. Students will also select a social problem which they wish to explore from these perspectives.

(This course meets the requirements for a Social Science elective.)

3003 Honors Seminar (3-6)

Honors Seminar creates transdisciplinary conversations in classes limited to 15 students. Topics change from semester to semester, but the intent of the course remains the same, to encourage students to explore deeply issues from perspectives outside of their disciplines. Each fall the course will fulfill a SALT II requirement. If students have met their SALT II requirement, they may, with permission of the instructor and the Director of the SALT program, begin a SALT III project.

(This course may be taken twice provided that both the teacher and the topic change. This course will also meet the requirement for elective Bible courses.)

3011 Preparing the Senior Project (1)

Preparing the Senior Project is required of all students finishing as Honors College Scholars. Two semesters before students plan to graduate, they must enroll in this course designed to aid them in developing and defending a proposal for a SALT III project or for a research-based thesis. Students will develop a bibliography, select an advisory committee, and submit a written proposal for the project.

4003 Senior Project (3)

The Senior Project is required of all students finishing as Honors College Scholars. The project must be of sufficient scope to warrant three hours credit. As part of the requirements for this course, the student will defend the thesis before his/her committee at the end of the semester. A student may apply for an extension should he/she fail to complete the thesis during the semester of registration for this course. Once the thesis is approved, it will be copied, bound and catalogued in the library. In addition, The Honors College will retain a copy of the thesis and the student and his/her advisor will receive a copy.

Dean Institute for Corporate Governance and Integrity

Turney Stevens, *Dean of the College of Business*

Brad Reid, *Managing Director*

The Dean Institute for Corporate Governance and Integrity was formed in 2008 as a national forum to integrate best practices in board governance with commitments to integrity for public and private company board directors and management.

The Institute was funded initially by a generous gift from Hilton and Sallie Dean. Mr. Dean is a former vice chairman of Ernst & Young, LLP New York and currently serves as the Chairman of the Board of Trustees of Lipscomb University.

Unlike other programs on corporate ethics and governance, Lipscomb's Dean Institute approaches the issues confronting today's board directors and corporate executives from a faith-based perspective and address the root issues at play. It seeks to inspire scholarship as well as dialogue at all levels of corporate and institutional life, exploring ways to encourage cultures of integrity and seeking practical methods of more responsible stewardship for all stakeholders. The Institute seeks to examine and encourage the guiding principles and factors that inspire honesty and transparency, even when those qualities may appear to have negative short-term consequences.

In December 2009, Turney Stevens was recognized as one of the "100 Most Influential People in Business Ethics" by *Ethisphere* magazine. This prestigious award recognized the role of the Dean Institute in influencing thought on a nationwide basis and the institute's role in seeking to change the culture of fraud and dishonesty that is so seemingly prevalent in business.



Students studying in Swang



Students seek to learn ways to make a difference in the lives of others through their studies in law, justice and society.

Institute for Law, Justice & Society

Charla Long, *Executive Director and Associate Professor*

The Institute for Law, Justice & Society offers an undergraduate major and minor academic program which looks at the legal system as a vehicle for bringing about social change. By blending Law, Justice & Society (LJS) course offerings with classes from a variety of academic areas including psychology, sociology, history, political science, business, Bible, and communications, students explore how laws impact society. As a result, students wanting to make a difference in the world discover ways they can institute legal change for resulting social change, and vice versa.

The academic program's mission is to provide an integrated, multidisciplinary learning in the context of ethics and Judeo-Christian values. This course of study develops practical liberal arts skills and knowledge about the many areas in which the American legal system influences our society.

Distinctives of the Law, Justice and Society Program

When compared to other universities in the United States, Lipscomb's Law, Justice & Society academic program is unique because:

- We are the only program in the nation that incorporates trips to Washington D.C. and abroad in the course curriculum. While other schools talk about the places we visit and their impact on the legal system, we experience it first hand.
- We are the only program in the country which utilizes the Polaris™ Peak Performance system. We teach you the skills you need to advance your career in the legal and justice fields.
- We are the only program in the nation to incorporate an "Education for a Cause" project that spans the entire LJS curriculum. We know students can make a difference in the world today!
- We are one of only a handful of programs to require community service. We recognize the importance of learning by serving.
- We are one of the few programs to require an internship. We know that those with experience are the first to secure career placements.
- We are located in a state capital. We take advantage of our location by incorporating field trips to the legislature and providing opportunities for students to interact with state leaders.

The City as our Campus; The World as our Classroom

Classes are scheduled in blocks of time to allow for field trips and observations in the Nashville legal community. Additionally, distinguished lecturers supplement the program's faculty. Students participate in two required trips: Washington D.C. and an international destination. On these trips, students will visit the legislature, the highest courts, prominent law firms, social justice NGOs, and a variety of other law-related organizations.

Positioned for Career Advancement

In order to enjoy a successful career in legal and justice fields, students must hone specific skill sets. Using the Polaris™ Peak Performance system as a guide, students will develop skills through a variety of projects, role-plays, and activities. Each student receives a personalized development and assessment plan which corresponds to the student's emphasis area and individual strengths and weaknesses. Skills of particular interest in legal and justice fields include:

- | | | |
|------------------|-------------------------|-------------------------------------|
| • Integrity | • Assertiveness | • Strategic Thinking |
| • Initiative | • Composure | • Conflict Management |
| • Creativity | • Organizing & Planning | • Problem Solving & Decision Making |
| • Writing Skills | • Presentation Skills | • Research Skills |
| • Adaptability | • Relationship Building | • Diplomacy |
| • Influence | • Visioning | • Active Communications |

Education for a Cause

Each student in the Law, Justice & Society program selects a social cause of personal significance and works throughout their academic career to improve or eliminate the cause and its effects on society. For example, a student may choose to significantly reduce the homeless population in the United States. In the course *Influencing Change through Civic Engagement*, the student would volunteer for a homeless shelter and become familiar with the underlying problems at the core of this issue. Then in the *Internship* course, the student would work for an organization related to homelessness. Using the information learned from these experiences, the student would create a legal solution to their social issue in the *Senior Research Project* course. This project would be presented to a panel of politicians, attorneys, and community advocates during the Law, Justice & Society Symposium held in the spring.

A Program of SALT Scholars

In Acts 20:35 Paul writes, "It is more blessed to give than to receive." The LJS program values service and believes some of life's greatest lessons are achieved through giving to others. Therefore, the Law, Justice & Society curriculum has been designed to allow its students to achieve the notable SALT Scholar designation at graduation. T.S. Eliot once wrote, "We had the experience, but missed the meaning." Carefully planned classroom activities allow students to discuss their serv-

ice work and ensure that no one misses the lessons learned while serving others.

Connected to the Legal Community

The Law, Justice, and Society program allows students to shake hands with federal and state legislators, lobbyists, attorneys, and politicians. In fact, many of the class sessions will be taught by these distinguished and accomplished individuals. These connections can aid students with career placement or graduate school admission upon graduation from Lipscomb.

Program Outcomes

At the conclusion of the Law, Justice & Society academic program, graduates will possess these core knowledge, skills, and abilities:

- Ability to critically assess the working and implications of law in different social contexts;
- Competence in the historical, comparative, and global perspectives on law, justice, and society;
- Ability to scrutinize and test theories and concepts taught in class on real world issues;
- Exhibit substantive knowledge and understanding of socio-legal subject matter;
- Demonstrate legal reasoning while analyzing material from divergent sources;
- Exhibit effective oral & written communication skills;
- Ability to formulate legal solutions that lead to social change; and
- Ability to place legal issues in the broader context of society.

Career Opportunities

Graduates of the program will be prepared for careers in a variety of areas, including work in all three branches of government and with corporate and not-for-profit entities. Specific opportunities may include:

- Corporate compliance officer
- Negotiator or mediator
- Community advocate
- Non-profit administrator
- Court management
- Risk management and claims adjusting
- Law firm management

Additionally, students will be prepared for graduate studies in other areas such as conflict management, law, public administration, and business.

Program Curriculum

Students majoring in Law, Justice & Society can earn either a Bachelor of Science or a Bachelor of Arts degree. The major requires the completion of 45 hours specific to the Law, Justice & Society program. In addition to the specific required classes for all Law, Justice & Society majors, students must select an emphasis area for the remaining 12 hours in the program. Each emphasis is comprised of numerous classes from which students may select.

To minor in Law, Justice & Society, students would need to complete 18 hours selected from the program's core curriculum.

Requirements for Majors

Law, Justice & Society Major--Conflict Management Emphasis

B.A. or B.S. degree program

Total hours required – 46

Specific courses required –

Law, Justice & Society 2103, 2203, 3103, 3203, 3303, 390V, 4103, and 4203

Political Science 3433, 4203

Communication 3064

Courses required for emphasis:

Law, Justice & Society 3403, 3503, 4403

Management 4323

Law, Justice & Society Major--Law & Ethics Emphasis

B.A. or B.S. degree program

Total hours required – 46

Specific courses required –

Law, Justice & Society 2103, 2203, 3103, 3203, 3303, 390V, 4103, and 4203

Political Science 3433, 4203

Communication 3064

Select four courses from:

Law, Justice & Society 3503, 4303

Philosophy 3433, 3533, 366V

Bible 421V

Communication 3433

Law, Justice & Society Major--Social Change Emphasis

B.A. or B.S. degree program

Total hours required – 46

Specific courses required –

Law, Justice & Society 2103, 2203, 3103, 3203, 3303, 390V, 4103, and 4203

Political Science 3433, 4203

Communication 3064

Select four courses from:

Law, Justice, & Society 4303

Communication 2134, 2203, 3023

Philosophy 2013

Political Science 3413

Sociology 2113

History 4173

Law, Justice & Society Major--Commerce & Industry Emphasis

B.A. or B.S. degree program

Total hours required – 46

Specific courses required –

Law, Justice & Society 2103, 2203, 3103, 3203, 3303, 390V, 4103, and 4203

Political Science 3433, 4203

Communication 3064

Courses required for emphasis:

Law, Justice & Society 4303

Management 3613, 4323

Political Science 4233

In consultation with the Law, Justice & Society program director, students can customize a twelve credit hour emphasis area using courses listed in any of the above listed emphases or with the following additional classes:

Political Science 1023, 3313, 3323, 4513

Environmental Science 4213

Requirements for Minor

Law, Justice & Society Minor

Total hours required – 18

Specific course required –

Law, Justice & Society 2103

Fifteen additional hours selected from the following:

Law, Justice & Society 2203, 3103, 3203, 3303, 390V, 4103, 4203

Political Science 3433, 4203

Communication 3064

LAW, JUSTICE, & SOCIETY (LJS)

2103 Society and The Law (3) F, SP

This course introduces the central themes for the Law, Justice & Society program. Students gain an understanding of how law relates to society and how legal change relates to broader social change. Students explore the sociological and historical perspective on law and legal change. Focus is given to social and legal theory and to critically analyzing law and legal institutions in relation to equality, justice, and fairness. The course blends class discussion, guest speakers, film clips, and local field trips.

2203 Introduction to American Law (3) SP

This course is a basic introduction to the common and statutory law of the U.S. federal and state systems of law. It is designed to develop the students' understanding of American legal concepts and issues and to broaden understanding of American law and its processes. The course will highlight selected substantive areas in American law. The class will travel to Washington D.C. to observe and to interact with the judicial, executive, and legislative branches of our government. A travel fee will be assessed.

3103 Dispute Resolution (3) F

This course examines the principles and methods of dispute resolution, including negotiation, mediation, conciliation, arbitration, and formal adjudication. Students will be able to describe the advantages and disadvantages of different types of dispute resolution. Using case-study methods, students will be able to analyze and to provide resolution for a variety of disputes using numerous techniques.

3203 Legal Research and Reasoning (3) F, SP, SU

This course teaches students the fundamentals of legal reasoning through a series of research and writing exercises. Students learn how to use available research resources, including computer databases. Emphasis will be given on improving analytical writing about social issues and legal change.

3303 Influencing Change through Civic Engagement (3) F, SP, SU

This service-learning course allows students to volunteer with a not-for-profit agency, designed to assist with a societal issue such as homelessness, legal aid for the poor, teen pregnancy, or domestic violence. Through class discussions and reflective journaling, students will explore how the law facilitates or inhibits significant social change. This course is designed to meet the SALT Tier II requirement. This course *may satisfy* the SALT Tier II requirement.

3403 Conflict Management (3) F

This course provides an understanding of conflict in the context of the people involved and their relationship to each other. It draws from both the fields of psychology and sociology to provide a framework for understanding and assisting those parties to acute conflict, who often end up in the legal system. Cross-cultural conflict, communication in conflict, and the psychology of conflict will be explored. Case studies, simulations and role-playing exercises will be utilized.

3503 Ethics & The Laws of Compliance (3) F, SP, SU

This course applies ethical theories, research, and practice to the law and justice system. Students will examine the moral dimensions of corporate law, ethical enforcement systems, issues in compliance and a variety of controversial issues associated with the civil

and criminal justice systems applicable to business dealings.

390V Internship (1-3) F, SP, SU

This applied learning course allows students to seek a greater understanding of the legal system as an intern in a law-related agency. On-site work hours, written assignments, and regular meetings are required. Credit varies according to the number of hours worked during the semester. This course *may satisfy* the SALT Tier III requirement.

4103 Law in the Global Community (3) SU

This course explores the tensions between a global economy that deliberately seeks to transcend geographic borders and the law which is historically bound by national jurisdictions. This course will analyze the structures, processes, and principles of different kinds of legal systems. An international class trip to observe first-hand another country's legal system is required.

4203 Senior Research Project (3) F, SP, SU

This capstone course requires students to complete a senior research project under the direction of a faculty member. The project should build upon the service work done in LJS 3303, allowing the student to influence society through the law and legal change. Students must demonstrate the ability to design a study, conduct a scholarly literature review, review laws and legal precedents, gather and analyze data, present findings, and create a law-based solution to the societal issue. Written research reports will be presented at a Law, Justice & Society Symposium open to government and community leaders. This course *may satisfy* the SALT Tier IV requirement.

4303 Special Topics: [Insert Topic] and the Law (3) F, SP

This course is designed to respond more quickly to the ever-changing issues in the law, justice, and society area. It provides the ability to address current issues and other topics. Examples would include classes such as Immigration and the Law, Children and the Law, Women and the Law. This course *may satisfy* the SALT Tier II requirement.

4403 Mediation: Process, Skills, and Theory (3) SP

This course examines the theory, law, and practice related to third party intervention in the resolution of legal disputes. The course explores mediation as a collaborative process of resolving conflict, the legislative, ethical, and practical constraints on its use, and equips students with the skills needed to serve in a mediation capacity. There is an emphasis on learning through simulation and role-playing exercises.



Guest lecturers are an important component of the law, justice and society program.

Institute for Sustainable Practice

G. Dodd Galbreath, *Executive Director and Assistant Professor*
 Kent Gallaher, *Academic Director and Professor*

James T. Arnett, *Professor*
 Autumn Marshall, *Associate Professor*
 Kerry Patterson, *Associate Professor*

Linda Roberts Phipps, *Associate Professor*
 Mary Sledge, *Associate Professor*

The mission of the Institute for Sustainable Practice is to develop and advance the emerging profession and application of sustainability and environmental stewardship through education, research, training and outreach in Tennessee and the world. The new sustainability and creation care movements are international in reach and are much like what we experienced in the early industrial, information and environmental ages. Today's sustainability and creation care movements, however, are fundamentally different from all previous movements. First, they seek to integrate the holistic needs of people, the planet and economic prosperity. They also seek to manage conflicts through collaboration and rely on diversity instead of divisiveness to resolve current challenges. Instead of fear, these movements offer hope through accessible solutions and collective, individual contributions. Through faith and emulation of the intelligent and sophisticated design of creation, these movements apply human ingenuity optimally instead of just more efficiently. Further, the underlying motive of today's sustainability and creation care movements is love for all generations and all species across all time. Neither our children, grandchildren, nor any life forms on this planet deserve to inherit our wastes, depleted resources and eroded quality of existence.

Described below are the primary pathways of study available through the Institute for Sustainable Practice in partnership with other Lipscomb University colleges and institutes. The path students choose should be dictated by their own passion and career interests. These include careers in traditional environmental science, science application within the broader field of sustainability or an ambitious combination of a science or sustainability minor with a major in business, engineering, health care, Bible or other fields. A variety of career options is further described in this section.

Transdisciplinary Sustainability Major

The transdisciplinary Sustainability degree offering will introduce students to the real-world practice of sustainability across a broad range of ideas and fields, specifically the interaction between society, moral and ethical considerations, environmental protection, and business and economic interests. Students will be introduced to these concepts in a variety of settings, including the classroom, service opportunities, practical business experience, and research. Students who want to pursue careers that apply sustainability practices and principles or that manage planning and application of sustainability concepts in consulting, business, industry, government, and not-for-profit organizations should consider this degree program.

Interdisciplinary Major in Environmental Science from the Institute for Sustainable Practice

The degree in Environmental Science from the Institute for Sustainable Practice consists of 73-74 hours of instruction split between a broad background of biology, chemistry, and an area of concentration. Students who want to focus on the science of the environment and who wish to pursue more technically oriented careers in environmental consulting, business, industry, government, and field biology should consider this degree program.

Sustainability Degrees in other Departments

A B.B.A. degree in management with a concentration in Sustainability is offered for those students who wish to pursue managerial positions with environmental responsibility. (See requirements on page 151.) This major and concentration is designed to increase the student's depth of knowledge and skills for greater success in Lipscomb University's Sustainability M.B.A. graduate program and new and exciting careers in green business management.

Career Opportunities

The Institute for Sustainable Practice offers B.A. and B.S. degrees in Sustainability and Environmental Science. Students graduating with a degree in Sustainability or Environmental Science have a wide variety of career opportunities available. Graduates of these programs have distinguished themselves in many ways and are presently utilizing their training in the following areas:

- Environmental and sustainability consulting
- Renewable and clean energy technology management or consulting
- Green businesses
- Waste management and recycling
- Water and wastewater management
- Environmental analysis and compliance
- LEED certified construction management
- Green development
- Wildlife biology
- Environmental non-profit
- Advanced degrees in environmental science and related fields
- Environmental Public affairs

In addition, new graduates in Sustainability have career opportunities assisting business, government, and non-profit agencies in pursuing and implementing Sustainability principles in their various enterprises.

Requirements for Majors

Sustainability Major

B.A. or B.S. degree program

Total hours required— 75

Specific courses required—

Biology 1144
Chemistry 1013, 1023, 3333
Economics 2503, 3303
English 219V
Environmental Science 1013, 3214, 4213, 4991
Management 3503, 4713
Philosophy 3433
Political Science 1023, 3123
Sustainability 2013, 3123, 390V, 4123, 4133

Nine hours of electives chosen from one major area of study outside of the Institute for Sustainable Practice. All nine hours must be from a single area of study and must be approved by the Sustainable Practice advisor.

All courses designated EV and SU must be completed with a grade of "C" or higher.

Environmental Science Major

B.A. or B.S. degree program

Total hours required - 73

Specific courses required –

Biology 1134, 1144, 3114, 4044, 4802
Chemistry 1023, 1113, 1123, 1211, 1221, 3414
Economics 2503
Environmental Science 1013, 3214, 4213, 4991
Management 3503
Mathematics 2183
Political Science 1023, 3123
Sustainability 2013, 3123, 4123

Nine additional hours selected from offerings in Biology, Chemistry, Sustainability, and Environmental Science and approved by advisor

All courses designated as EV or SU must be completed with a grade of "C" or higher.

Note: Students in this major are also encouraged, though not required, to take the new Lipscomb Seminar course in Sustainability and the English Literature course in Sustainability Writings.

Requirements for Minors

Sustainability Minor

Total hours required – 18

Specific courses required—

Environmental Biology 1013
Sustainability 2013, 4123, 4133

Six additional hours chosen from the following:

Chemistry 3333
Economics 3303
English 219V
Environmental Science 3214, 4213, 4991
Management 4713
Political Science 3123.
Sustainability 3123, 4113

Environmental Science Minor

Total hours required—18

Specific courses required—

Biology 1144
Environmental Science 1013, 3214, 4213

4 additional hours of approved electives taken from the Environmental Science major requirements.

ENVIRONMENTAL SCIENCE (EV)

1013 Environmental Biology (3) F

A freshman-level course in environmental science. A study of the natural environment as it relates to ecology, ecosystems, human population growth, soil formation and conservation, biotechnology, toxicology, air and water quality, bioscientist, land use management, energy resources, and waste management. Discussions will include the ethics and policy-making process related to these issues. Does not count towards a biology major. Lecture, 3 hours.

3214 Environmental Chemistry (4) F (offered in odd numbered years)

A study of the chemistry of the environment, including: chemical cycles, aquatic chemistry, atmospheric chemistry, soil and geochemistry, water pollution, gaseous inorganic and organic air pollutants, hazardous wastes, and environmental chemical analysis. Laboratory experience is field oriented and may make use of HPLC (high performance liquid chromatography), GC-MS (gas chromatography and mass spectrometry), and ICP (Inductively Coupled Plasma) to examine common environmental pollutants. Prerequisites: Chemistry 1023, 1113, and 1123. Lecture, 3 hours; Laboratory, 3 hours.

3903 Internship in Environmental Science (3) F, SP, SU

The internship provides the opportunity for on-site training in the field of environmental science. Each student is assigned to work with a major corporation or environmentally related agency in conjunction with his/her program of study. Evaluation will be based on supervisor assessment, regular progress reports, and a summary report at the end of the semester. Arrangements for the internship should be made during the semester preceding the one in which the student plans to register for the course. Prerequisites: Junior standing and permission of the instructor. Course limited to environmental science students.

- 4213 Environmental Law and Policy (3) F (offered in even numbered years)**
 A course designed to familiarize the student with significant environmental legislation including: national environmental policy act (NEPA), clean water act (CWA), endangered species act, clean air act (CAA), resource conservation and recovery act (RCRA), comprehensive environmental response compensation and liability act (CERCLA), and federal insecticide, fungicide and rodenticide act (FIFRA). The course includes fact-based discussion on topics of national and global environmental topics such as: protection of the global atmosphere, international trade and the environment, and industrial development in the “Third World.” Prerequisite: Chemistry 1123. Lecture, 3 hours.
- 450V Independent Study and/or Research (1-3) F, SP, SU**
 The student chooses an area of particular interest, and together with an instructor a research problem is selected. The emphasis may be practical, library or laboratory oriented. A paper is written and submitted at the end of the course. The course is designed to provide the student an opportunity to pursue independent research and provide experience in scientific writing. Prerequisite: permission of instructor.
- 460V Special Topics in Environmental Science (1-4) F, SP, SU**
 The following are some of the most recently offered special topics: coastal ecosystems, arid lands ecosystems, bioscientist and the temperate rain forest, ecosystems of Yellowstone and Teton National Parks, and subarctic ecosystems: Alaska.
- 4991 Seminar in Environmental Science (1) SP**
 A course designed to introduce the student to selected periodicals and reference works pertaining to the environment. Assignments are designed to enable the student to make intelligent searches for desired scientific information. The course includes student seminars on environmental topics that are in the format of a formal scientific presentation. Course may also include seminars from invited environmental professionals. Prerequisite: junior standing. Course limited to environmental science and sustainability studies. Lecture, 1 hour.

SUSTAINABILITY (SUST)

- 2013 Introduction to Sustainable Energy Sources (3) SP (offered in odd numbered years)**
 Human survival depends on a continuing energy supply, but the need for ever-increasing amounts of energy poses a dilemma: How can we provide the benefits of energy to the population of the globe without damaging the environment, negatively affecting social stability, or threatening the well-being of future generations? The solution will lie in finding sustainable energy sources and more efficient means of converting and utilizing energy.
 This course will cover the technological and cost “fundamentals” of emerging energy technologies, including solar, wind, biomass, oceanic, geothermal, hydropower, fuel cell (hydrogen), nuclear, and other more exotic energy sources. The student will be able to evaluate a potential energy source based on its technical feasibility and its economic viability. Lecture, 3 hours; Laboratory, 2 hours. This course meets the physical science requirement.
- 3123 Service Learning in Sustainability (3) SP (offered in odd numbered years)**
 This course will provide the student with practical experience and deeper understanding of the principles of sustainability as they are practiced and encountered in the community, while working with a local non-profit agency or community organization. The service project may be conducted on an individual basis or as a group project, as appropriate. Evaluation will be based on instructor and supervisor assessment, regular progress reports, and a summary report at the end of the semester. Arrangements for the service learning project should be made during the semester preceding the one in which the student plans to register for the course.
- 390V Internship in Sustainability (2-3) F, SP, SU**
 The student will serve as part of a professional project group for a local or international business, university, or other commercial entity and will work within the group to develop solutions to current problems and issues in the area of sustainability. The students will gain invaluable, hands-on experience while working on actual sustainability projects, interact with fellow students, faculty, and sustainability professionals, and be advised by faculty members that possesses expertise in sustainability. Students will put into practice sustainability techniques and methodology and will meet with a faculty mentor at designated class times and individual advising times during the project. A formal report will be delivered at the conclusion of the project that details the learner’s findings, conclusions, and recommendations.
- 4123 Principles of Sustainability (3) SP (offered in even numbered years)**
 This course represents a culmination of the undergraduate curriculum in Sustainability. The diverse subject areas that are relevant to Sustainability will be brought together and synthesized into a cohesive body of knowledge.
- 4133 Sustainability Thesis (3) F, SP, SU**
 The student will develop an understanding and appreciation of the principles of sustainability as they apply to the student’s chosen field of study. The student will be able to apply critical thinking skills to the problems and issues that arise when sustainability is introduced into the career field of their choice. Written and oral communication skills will be developed by the presentation of a paper and a seminar on the topic that is chosen.
 Students will take this course concurrently with a regular 3000- or 4000-level course in their major field of study. The thesis objectives and content are established by means of a contract arrangement with the Thesis course instructor and the instructor of the chosen course in their major field of study. While no set standard exists for determining the amount of work required for a thesis, students should expect to spend about 45-60 hours during the semester on the thesis. The proposed thesis must be approved by the respective instructors by the end of the third week of the semester.
- 450V Independent Study/Research in Sustainability (1-3) F, SP, SU**
 The student chooses an area of particular interest, and together with the instructor, a research problem is selected. The emphasis may be either field or literature oriented. A paper is written and submitted at the end of the course. The course is designed to provide the student an opportunity to pursue independent research and provide experience in technical and scientific writing.
- 4nnV Special Topics in Sustainability (1-3)**
 This course is designed to more quickly respond to the ever-changing world of sustainability by housing one-time course offerings that will not likely be frequently repeated. Examples of potential course offerings include LEED Certification and Green Building Design, Sustainable Development and Land Use, Sustainable Remediation and Mitigation of Natural Systems and Resources, Sustainable Management of Water Systems and Supplies and Storm Water. Offered as needed.

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