

UNIVERSITY OF MARY HARDIN-BAYLOR  
2021-22  
UNDERGRADUATE CATALOG



A Texas Baptist Institution

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## PURPOSE OF THE CATALOG

The purpose of this catalog is to provide information about the academic programs as well as the rules, policies, and guidelines of the University of Mary Hardin-Baylor (UMHB). It includes information concerning admissions, academic offerings, academic regulations and requirements, tuition and fees, services available to students, university accreditation, and a list of the university's faculty, staff, and administration. In the entirety of this catalog, the terms "University" or "UMHB" shall mean University of Mary Hardin-Baylor. The term "campus" shall mean UMHB owned, leased, or controlled buildings, land, parking lots, and walkways. This catalog is available online and may be viewed from any computer able to access UMHB's website - [www.umhb.edu](http://www.umhb.edu).

Events or circumstances outside the University's control may require the University to make changes in its housing, classes, labs, clinical rotations, or other aspects of its education programs. Examples of such events or circumstances, sometimes referred to as a "force majeure," include fires, earthquakes, floods, windstorms, or other severe weather or "acts of God;" war, riots, or civil unrest; governmental orders, directives, or recommendations related to health or safety; or any similar situation beyond the University's control.

If such events occur, the University may be required to relocate its programs, shift classes to an online format, or, in an extreme case, discontinue part of its education program. If a student is required to isolate or quarantine, the student may be required to move to online instruction (if available) even if the class continues with in-seat instruction.

The University charges the same tuition and fee rate structure for face-to-face and online classes. If a class moves to an online format, in most cases students will be required to continue the class online or make a timely withdrawal under the University's normal withdrawal policies.

Some courses cannot be conducted in a wholly online format. For example, most labs and clinical rotations cannot be completed online. Such classes are subject to cancellation by the University if necessary; cancellation by a hospital or other clinical or laboratory affiliate; or to extended time frames if courses must be continued or Incompletes awarded until instruction can resume. The University cannot guarantee that students will complete coursework or graduate on any particular schedule.

If a class can neither continue in-seat nor be moved online, students will be allowed to withdraw from the course

without any academic penalty and receive a full refund. Otherwise, all withdrawals and refunds will be handled according to the University's normal policies included in this Catalog.

Students will be notified of these changes primarily through UMHB student email and the university's website.

Certain organizations which work with UMHB as a third party associate in connection with its programs may require students to observe specific COVID-19 protocols such as mandatory reporting or testing and mandatory vaccinations. Some examples of these third party associates include the NCAA/ASC for student-athletes, local schools for student teachers, foreign government regulations or third party providers for study abroad, and hospitals or other clinical sites for students engaged in clinical rotations.

Students will be notified if a third party associate has adopted mandatory COVID-19 protocols which apply to them. If a student is unable to satisfy its requirements, a third party associate may determine that the student is not qualified to participate in its program. If that happens, it may not be possible for the student to continue in that program at UMHB.

The university will revise its catalog from time to time in order to provide students current and complete information. UMHB reserves the right to add, delete, or amend provisions at any time regarding requirements, deadlines, fees, curricula, courses, housing, or other information. Students are expected to remain familiar with the contents of this catalog.

## WELCOME FROM THE PRESIDENT

On behalf of the administration, faculty, and staff, let me welcome you to the University of Mary Hardin-Baylor! This catalog outlines the wide range of academic offerings that are taught by our talented and dedicated faculty at UMHB. You will quickly see that our curriculum offers students a solid set of foundational courses in the arts, sciences, and humanities, plus an array of specialized classes to expand your skills and understanding in your chosen field of study. Together, these courses are certain to advance your knowledge and prepare you for the challenges of living and working in a rapidly changing world.

UMHB offers you these learning experiences in an environment where personal attention to each student is valued. We believe that the size of our campus, the quality of our faculty, and our commitment to Christian values and service will make your time at UMHB an extraordinary experience. It is our hope that at the end of your time with us, you will leave not just with a diploma, but also with a clear vision of how to live a successful life, no matter where your path may lead from this point on.

We are glad you have chosen to pursue your education at the University of Mary Hardin-Baylor. We truly believe that during your time at UMHB, you will receive both an “education for life” and the “experience of a lifetime.” We look forward to having you as a member of our learning community!

Sincerely,

Randy O’Rear, Ed.D.  
President

## ACCREDITATION

The University of Mary Hardin-Baylor is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, and doctorate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, telephone 404-679-4500, <http://www.sacscoc.org> for questions about the accreditation of the University of Mary Hardin-Baylor.

### **Selected academic programs are accredited by the following agencies:**

The baccalaureate degree in nursing and the master's degree in nursing are accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, telephone 202-463-6930. Accreditation Council for Business Schools and Programs (ACBSP)

Council for Accreditation of Counseling and Related Educational Programs, Community Counseling/Clinical Mental Health Counseling

Council on Social Work Education

The Texas Education Agency

The UMHB Art Department is accredited by the National Association of Schools of Art and Design.

The UMHB Department of Music is accredited by the National Association of Schools of Music.

The UMHB Doctor of Physical Therapy program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, VA, 22314; telephone: 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org); website: <http://www.capteonline.org>

### **The University is affiliated with or a member of the following agencies:**

Accreditation Review Commission on Education for the Physician Assistant

American Association of Colleges of Nursing

The American Association of Colleges for Teacher Education

American Association of University Women

American Choral Directors Association

American College of Musicians

American Counseling Association

The Association to Advance Collegiate Schools of Business

The Association of American Colleges and Universities

The Association of College and Research Libraries

Association of Texas Graduate Schools

Baptist General Convention of Texas

Central Texas Music Teachers Association

Committee for Accreditation of Allied Health Education Programs

Conference of Southern Graduate Schools

The Council for Christian Colleges and Universities

The Independent Colleges and Universities of Texas  
International Association of Baptist Colleges and Universities

Kindermusik International

Kodaly Educator of Texas

Music Teachers National Association

The National Conference of Church Related Schools

National Federation of Music Clubs

National Guild of Piano Teachers

Organization of American Kodaly Educators

Southwestern Business Deans' Association

State Board for Educator Certification

The Texas Association of Music Schools

Texas Association of Social Work Deans and Directors

Texas Board of Nursing

Texas Choral Directors Association

Texas Counseling Association

Texas Field Educator's Consortium

Texas Music Educators Association

Texas Music Teachers Association

All questions about university or program accreditations should be directed to the Associate Provost for Institutional Effectiveness at 254-295-4505. This includes inquiries regarding the accreditation status of UMHB and requests to review documents pertaining to accreditation.

## THE UNIVERSITY

### History

The University of Mary Hardin-Baylor traces its distinguished history to the days when Texas had yet to gain statehood and when Baptist missionary work was just beginning in the partially civilized new territory. As early as 1839, representatives of churches in Washington County issued an appeal to the Home Mission Board of New York to inaugurate a missionary movement in Texas. Missionaries Rev. James Huckins and Rev. William M. Tryon were sent, and soon afterwards, Judge R.E.B. Baylor came to Texas as a teacher, lawyer, soldier and preacher. These leaders inspired the desire for Christian education in the area and, at a meeting of the Union Association in 1841, recommended forming an education society. War prevented action until 1843, when the Texas Baptist Education Society was organized.

Tryon and Baylor were appointed to prepare a charter to establish a Baptist university. On February 1, 1845, a charter was granted by the 9th Congress of the Republic of Texas, approved by President Anson Jones at Washington-on-the-Brazos, and the long-awaited Baptist university became a reality. The school initially included a Preparatory Department in addition to co-educational classes for college students. In 1851, the Female Department and the Male Department were separated, ending co-education. In 1866, the Female Department obtained a separate charter and its own board of trustees, and the name was changed to Baylor Female College.

In 1886, due to changing transportation and economics in the area, it was deemed necessary to move both schools. The Male Department consolidated with Waco University in Waco, Texas, retaining the name Baylor University. The Female Department, under its new name, Baylor Female College, moved to Belton, Texas. Since the move to Belton, the school has undergone several name changes, including Baylor College for Women (1925), Mary Hardin-Baylor College (named in honor of a benefactor in 1934), and University of Mary Hardin-Baylor (1978). In 1971, the oldest college for women west of the Mississippi became co-educational.

UMHB's illustrious history includes such notable occurrences as claiming the first work-study program for women in a college west of the Mississippi (1893); serving as the campus model for the Baptist Student Union (1920); establishing the first school of journalism in a college for women in America and being the second institution in Texas to offer the degree of Bachelor of Journalism (1921); hosting and winning the first intercollegiate debate between college women in Texas (1921); and being recognized as the first Texas Baptist college accepted into full membership in the Southern Association of Colleges and Schools (1926). Since these auspicious "firsts,"

UMHB has continued to make history as a leader in the fields of education, nursing, business, and church leadership; in athletics through conference and national play; and in other important areas of campus life. Today, UMHB enjoys a robust student enrollment of more than 3,900 and employs more than 400 full-time faculty and staff committed to Christian higher education.

Presidents have included Dr. H. L. Graves, Dr. R. C. Burleson, Rev. G. W. Baines, Dr. William Carey Crane, Mr. B. S. Fitzgerald, Dr. Horace Clark, Col. W. W. Fontaine, Dr. William Royall, Dr. John Hill Luther, Mr. P. H. Eager, Dr. E. H. Wells, Dr. W. A. Wilson, Dr. E. G. Townsend, Dr. J. C. Hardy, Dr. Gordon S. Singleton, Dr. Albert C. Gettys, Dr. Arthur K. Tyson, Mr. Leonard L. Holloway, Dr. William G. Tanner, Dr. Bobby E. Parker, Dr. Jerry G. Bawcom, and Dr. Randy O'Rear who became president in 2009.

### Location

The University of Mary Hardin-Baylor is located in the "heart of Texas," only 55 miles from the State capital of Austin and 135 miles from the Dallas-Fort Worth metroplex on Interstate 35. The campus is nestled in the natural beauty of Central Texas' rolling plains and wooded hills and captures the spirit of scholarly pursuit within its historic buildings and spacious, well-maintained campus. The Belton-Temple-Killeen area is home to many corporations, hospitals and medical complexes, industries, and service agencies where students may find employment or internship opportunities. Two large shopping malls are only minutes from campus as is the quaint artisan village of Salado. Dining and entertainment, including the Bell County Expo Center, are just minutes from campus. Recreational opportunities are easily found at Belton Lake and Stillhouse Hollow Lake as well as several 18-hole golf courses within the area.

### Mission

The University of Mary Hardin-Baylor prepares students for leadership, service, and faith-informed discernment in a global society. Academic excellence, personal attention, broad-based scholarship and a commitment to a Baptist vision for education distinguish our Christ-centered learning community.

### Vision

The University of Mary Hardin-Baylor will be the university of choice for Christian higher education in the Southwest.

### Values

**Broad-based Education.** We believe an educated person is one who not only has mastered a chosen field of study

but also has gained an understanding and appreciation for the intellectual and cultural traditions of a diverse world. Through traditional liberal arts programs and professional programs at both the undergraduate and graduate levels, the university seeks to develop graduates of strong Christian character and integrity who are able to communicate effectively, think critically, and solve complex problems. In addition, we strive to inspire a lifelong love for learning so that graduates may face challenges successfully in an ever-changing world.

**Christian Faith and the Intellectual Life.** We recognize that all truth, whether revealed in Scripture or creation, has its origin in God. Since all truth is grounded in God, we believe that the pursuit of truth and the Christian faith are mutually reinforcing. We strive to develop graduates who integrate Christian perspectives and attitudes into every dimension of life: character, relationships, vocation, and service. To empower students to integrate a passionate Christian faith with human knowledge, we dedicate ourselves not only to grounding them in the basics of Scripture and in the historical beliefs of the Christian faith, but also to broadening their horizons, deepening their insight, sharpening their intellect, and cultivating their ability to appreciate the good, the true, and the beautiful. We seek committed Christians for our faculty and staff who will support the university's mission and who will be active participants in their local church. In short, our goal is to produce graduates who love God with their whole mind.

**Teaching Excellence.** We value well-qualified educators who are committed to effective, innovative teaching that prepares students to excel in their particular fields, to think creatively and critically, and to integrate facts across disciplines. Our faculty members exhibit an intellectual curiosity and passion for their fields of study which, in turn, stimulate our students to excel academically. To that end, the university is committed to maintaining an atmosphere of academic freedom and providing faculty members with resources and opportunities to enhance teaching effectiveness and to be engaged in a wide range of scholarly activities. The university seeks to identify, recognize, and reward those faculty members who exhibit exceptional teaching ability.

**Service.** We value our role as a Christ-centered university which addresses educational, cultural, civic, and economic needs by providing service opportunities for students, faculty, and staff. We strive to instill within students an awareness of people in need and a commitment to seeking solutions, both locally and globally.

**Students as Individuals.** We respect each student as a unique individual who has a distinct perspective on the world. Therefore, we welcome students from diverse backgrounds and understand that exposure to different cultures and experiences within a Christian environment enriches the educational process. The university strives to

create an atmosphere where every student is an integral part of our learning community. We place student achievement first and emphasize this through personal attention, small class sizes, teaching excellence, campus activities, athletic programs, and leadership opportunities. The university is committed to encouraging each student to reach his or her potential spiritually, academically, socially, and physically.

## NOTICE OF NONDISCRIMINATORY POLICY AS TO STUDENTS

The University of Mary Hardin-Baylor (UMHB) admits qualified students of any race, color, sex, national, or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not unlawfully discriminate on the basis of race, color, sex, religion, age, nationality, and ethnic origin in the administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs. Furthermore, UMHB does not unlawfully discriminate on the basis of handicap in the recruitment and admission of students and the operation of any of its programs and activities, as specified by federal laws and regulations.

UMHB is authorized under federal law to enroll non-immigrant alien students. The university is a private institution and reserves the right to deny admission to an applicant for any lawful reason.

The University is required not to discriminate unlawfully on the basis of sex by Title IX of the Education Amendments Act of 1972 and its implementing regulations at 34 C.F.R. Part 106. This requirement extends to admission, except that the University may discriminate on the basis of sex in undergraduate admissions and is exempt from provisions of Title IX which conflict with the University's religious tenets.

The University has grievance procedures to provide students, employees, or applicants an opportunity to file a complaint of illegal discrimination of any kind. In order to file a grievance, contact the appropriate person below or see the grievance procedures published online.

A student or applicant with a question about the university's non-discrimination policies or who claims to have experienced unlawful discrimination in connection with any university program or activity should contact the designated coordinator for university compliance with nondiscrimination policies:

Susan Owens, Vice President for Human Resources, Title IX Coordinator and non-discrimination compliance officer, Sanderford Administrative Complex, 900 College Street, Belton, Texas 76513, 254-295-4527, [susan.owens@umhb.edu](mailto:susan.owens@umhb.edu).

## NOTIFICATION OF RIGHTS UNDER FERPA FOR POSTSECONDARY INSTITUTIONS

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day the University of Mary Hardin-Baylor (UMHB) receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The university official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the university to amend a record should write the university official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the university decides not to amend the record as requested, the university will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

UMHB discloses education records without a student's prior written consent under the FERPA exception for disclosure to university officials with legitimate educational interests. A university official is a person employed by UMHB in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A university official also may include a volunteer or contractor outside of the university who

performs an institutional service or function for which the university would otherwise use its own employees and who is under the direct control of the university with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another university official in performing his or her tasks. A university official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for UMHB. Upon request, UMHB also discloses education records without consent to officials of another college/university in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by UMHB to comply with the requirements of FERPA.

The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202

FERPA further provides that certain information designated as “Directory Information” concerning the student may be released by UMHB unless the student has informed the university that such information should not be released. To withhold disclosure, written notification must be received in the Office of the Registrar. Forms requesting the withholding of “Directory Information” are available from the Registrar's Office.

UMHB assumes that failure on the part of any student to specifically request the withholding of “Directory Information” indicates individual approval for disclosure.

**The University of Mary Hardin-Baylor hereby designates the following student information as public or “Directory Information.” Such information may be disclosed by the institution to an inquirer, either in person, or by mail, telephone, email, etc., or otherwise made public for any purpose, at its discretion.**

**Directory Information: Name; current and permanent addresses; telephone number(s); email address(es); dates of attendance; enrollment status (e.g. full-time or part-time); school or division of enrollment; classification; major field(s) of study; awards; honors (including Provost's and Dean's Honor Rolls); degree(s) conferred (including dates); previous institution(s) attended; past and present participation in officially recognized sports and activities; physical factors (height/weight) of athletes; date and place of**



**birth; and digitized image(s)/photograph(s)/video(s). A student identification number may be disclosed as directory information provided that the number cannot be used to access your student records without the use of a password or PIN which is never considered directory information.**

The policy that such information will be made generally available is communicated to presently enrolled students through the publication of these guidelines. An individual student currently enrolled may request that such directory information not be disclosed by completing the nondisclosure form which is available in the Registrar's Office and providing the completed form to the Registrar's Office.

FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to university officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student:

- To other university officials, including teachers, within UMHB whom the university has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the university has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))
- To officials of another university where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)

- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, UMHB, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information UMHB has designated as "directory information" under §99.37. (§99.31(a)(11))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if UMHB determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the university's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))
- To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of UMHB, governing the use or possession of alcohol or a controlled substance if the university determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expanded the circumstances under which your education records and personally identifiable information (PII) contained in such records—including your Social Security Number, grades, or other private information—may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported

education program. The evaluation may relate to any program that is “principally engaged in the provision of education,” such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

# ANNUAL CAMPUS CRIME AND FIRE SAFETY REPORT

## Annual Security and Fire Safety Reports (Clery Report)

In compliance with federal reporting requirements contained in the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, the University of Mary Hardin-Baylor Police Department publishes an Annual Security and Fire Safety Report. This report includes statistics for the previous three years concerning reported crimes and fires that occurred on-campus in certain off-campus buildings or property owned or controlled by UMHB and on public property within, or immediately adjacent to and accessible from the campus. This report also includes UMHB's policies concerning campus security.

A copy of the University of Mary Hardin-Baylor Annual Campus Fire and Safety Report is available for your review. A printed copy of this report can be obtained by contacting the University of Mary Hardin-Baylor's Campus Police Department at (254) 295-5555 or at <https://go.umhb.edu/resources/police/policies-reports>

Each year, an e-mail notification that provides the web site containing this report is sent to the UMHB email address of all current students, faculty and staff. Additionally, all prospective students and prospective employees are entitled to request a copy of the University of Mary Hardin-Baylor Annual Campus Security and Fire Report. Printed copies of the report may also be obtained at the University Police Department located in suite 107 of the Mabee Student Success Center, by calling (254) 295-5555, by emailing [police@umhb.edu](mailto:police@umhb.edu) or by writing to:

UMHB Police Department  
UMHB Box 8350  
900 College  
Belton, Texas 76513

The full text of the annual report can be located on our web site at:

<https://go.umhb.edu/resources/police/policies-reports#1845>

## **Daily Crime and Fire Log**

The University Police Department maintains a combined Daily Crime and Fire Log. This log provides limited information pertaining to all crime and fire incidents reported to the Department. The University Police publishes the Daily Crime and Fire Log, Monday – Friday, when the University is opened. This log is available for inspection at the UMHB Police Department located at 905 Moore Ave, Belton Texas.

Alcohol and Other Dangerous Drugs Biennial Report.

The university also publishes an Alcohol and Other Dangerous Drugs Biennial Report. The purpose of this report is to comply with the Drug-Free Schools and Campuses Regulation (EDGAR Part 86). Institutions of Higher Education (IHE) receiving federal funds or financial assistance are required to maintain programs which prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees. To comply with this regulation, IHE, such as the University of Mary Hardin-Baylor, are required to complete biennial reviews of their Alcohol and Other Drug (AOD) program to determine effectiveness and consistency of enforcement of sanctions, along with the number of alcohol and drug violations.

For a printed copy of either report, please contact the UMHB Police Department at (254) 295-5555, or visit in person at 905 Moore Avenue, Belton, Texas, 76513.

## SEXUAL ASSAULT OR SEXUAL VIOLENCE

The University strives to create a campus environment that is free from sexual violence, sexual assault, sexual harassment, or gender-based harassment, all of which are prohibited by university policy and by federal law. Detailed information about reporting crimes, sex offenses, or violations of the university's policies can be found in the Student Handbook at <http://students.umhb.edu/student-handbook>, the university's Title IX webpage at <http://www.umhb.edu/titleix> and UMHB's Annual Campus Crime and Fire Safety Report at <http://police.umhb.edu/policies/clery-act>. In accordance with state law, the university has an anonymous reporting portal on its homepage at [www.umhb.edu](http://www.umhb.edu)

## UNIVERSITY CALENDAR 2021-2022

This calendar may change as University needs change. Individuals should refer each semester to the calendar published online at <http://registrar.umhb.edu/academic-calendar>. The calendar published online will take precedence over the calendar in this catalog.

### Fall 2021

|                      |                          |
|----------------------|--------------------------|
| August 5-6           | Advising & Registration  |
| August 9             | Classes Begin            |
| November 16          | Last Class Day           |
| November 18-23       | Final Exams (R, F, M, T) |
| November 24-26       | Thanksgiving Holidays    |
| December 3 (1:00 pm) | Winter Commencement      |
| December 20-31       | Christmas Holidays       |

### Spring 2022

|                 |                                     |
|-----------------|-------------------------------------|
| January 6-7     | Advising & Registration             |
| January 10      | Classes Begin                       |
| January 17      | Martin Luther King, Jr. Day Holiday |
| March 14-18     | Spring Break                        |
| April 15        | Good Friday Holiday                 |
| April 21        | Play Day                            |
| April 28        | Classes End                         |
| April 29        | Study Day                           |
| May 2-5         | Final Exams                         |
| May 7 (7:30 pm) | Spring Commencement                 |

### May Mini-Mester 2022

|          |                         |
|----------|-------------------------|
| May 9    | Advising & Registration |
| May 9-27 | Class Days              |
| May 30   | Memorial Day Holiday    |

### Summer I 2022

|                |                         |
|----------------|-------------------------|
| May 31         | Advising & Registration |
| May 31-June 27 | Class Days              |

### Summer II 2022

|                 |                          |
|-----------------|--------------------------|
| June 29         | Advising & Registration  |
| June 29-July 27 | Class Days               |
| July 4          | Independence Day Holiday |

### Fall 2022 (Tentative)

|          |               |
|----------|---------------|
| August 8 | Classes Begin |
|----------|---------------|

## UMHB CAMPUS

### Academic, Administrative, and Other Buildings

**Baugh Center for the Visual Arts** houses classrooms, offices, and gallery space for the Department of Art. Constructed in 2012, its name honors the memory of Eula Mae and John Baugh, whose family foundation made the lead gift for the building.

**Bawcom Student Union Building** was named in honor of former president Dr. Jerry Bawcom. Completed in 2014, this 110,000 square foot building interlocks with Crusader Stadium and offers an assortment of dining areas, campus store, Student Life offices, Baptist Student Ministries, rooms for UMHB band programs, and multi-functional rooms, including the McLane Great Hall.

**C.R. Clements Building** was built in 1981, thanks to a gift from Mr. & Mrs. Kenneth Kirkpatrick in honor of Mr. C.R. Clements. The building was renovated in 2001 and houses offices for Development as well as for Communications and Special Projects. An addition of 4,000 square feet was completed in March 2016 along with renovations to the existing building.

**Cru Community Clinic** previously housed the Baptist Student Ministry. The building was completely renovated in Summer 2019. It now houses a combined interprofessional community clinic for Occupational Therapy, Physical Therapy, and Counseling.

**Curtis Mansion** is undergoing renovations to house the Campus Planning and Support Services Division. The structure was originally built in 1902 and is listed on the National Register of Historic Places.

**Davidson Educational Building** was made possible through a gift from the estate of C.J. “Red” Davidson. Constructed in 1983, the complex provides classrooms, computer facilities, and office space for Computer Science and Engineering, English, and Modern Foreign Languages.

**Engineering Design Building** was completed in Summer 2019 and accommodates space for classrooms, labs, offices, and meeting spaces for the Engineering program. The facility includes four “smart” classrooms, a digital design lab that can double as a classroom, an electronics lab, a conference room, a student lounge, and a large fabrication workshop where students can test their designs by building them, using wood, metal, plastics, and other materials.

**Frazier Hall**, built in 1960, provides offices for various functions, to include graduate school admissions, food

services administration, and Strength and Conditioning coaches.

**Hardy Hall** was named in honor of former president Dr. J.C. Hardy; the building was constructed in 1929. It was renovated in 2015 for our Doctor of Physical Therapy program which contains classrooms, offices, and labs. An addition was completed in 2019 to house the Master of Science in Occupational Therapy program and Master of Science in Physician Assistant Program.

**Heard Hall** is the oldest building on campus. Constructed in 1919, it was originally used as a women’s residence hall from approximately 1919 to 1960. The building served as the administration building for a short time and currently houses academic offices.

**Isabelle Rutherford Meyer Nursing Education Center** was completed in 2012 and dedicated in February 2013. The building houses faculty offices, classrooms, and simulation laboratories for UMHB’s Scott and White School of Nursing. The lead gift for the building was contributed by the Paul and Jane Meyer Family Foundation, and the building is named for Paul Meyer’s mother, who during her lifetime worked as both a nurse and a teacher.

**Mabee Student Success Center** was made possible by a grant from the J.E. and L.E. Mabee Foundation. Built in 1973, the building was expanded in 1995. The building was renovated from 2014 to 2015. The building contains: University Police, Post Office, Mabee Market, Cru Card and Copy Services, Career Services, Writing Center, International Student Services, Center for Global Engagement, Center for Academic Excellence, ROTC, Robert and Linda Black Center for Counseling, Counseling and Testing Services, and Health Center.

**Parker Academic Center** is a multipurpose facility housing classrooms, offices, and student labs for the College of Education and the McLane College of Business. The facility was completed in the summer of 2002 and is named in honor of Dr. Bobby E. Parker, former UMHB President.

**Parker House** is named in honor of former president and chancellor Dr. Bobby E. Parker and his wife Marietta, by the donor, Mrs. JoAn Musick-Flowers. In 1989, the residence opened and is where the Parkers resided until Dr. Parker assumed the role of chancellor in 1991. Dr. Jerry Bawcom and his wife, Vicky, were the last president and first lady to live in the house. When Dr. Bawcom became chancellor in 2009 and moved to a home off campus, the house was remodeled and converted into the Musick Alumni Center and Museum.

**Paul and Jane Meyer Christian Studies Center** was made possible by a gift from Paul and Jane Meyer and was completed in the summer of 2008. This building contains offices, classrooms, a library, and a chapel for the College of Christian Studies.

**President's Home** was built in 2009 as the campus home for the UMHB first family. Dr. Randy O'Rear and his wife, Julie, were the first president and first lady to live in the home.

**Presser Hall** was made possible by a gift from the Presser Foundation and contains studios, practice rooms, and faculty offices for the Department of Music, as well as **Hughes Recital Hall** named in memory of J.K. and Annie Hughes. The building was constructed in 1929. The recital hall was refurbished in 1979 through a generous gift made by Raymond L. Dillard and Genevieve Hughes Dillard (Class of '31).

**Sanderford Administrative Complex**, named in memory of the parents of T.E. Sanderford, was made possible by a substantial gift from Mr. and Mrs. T.E. Sanderford. Built in 1979, the complex houses the administrative offices of the university, including the Registrar's Office, Admissions and Recruiting, Cashiers, and Financial Aid. Renovations to the building were made in 1997, and a two-story addition was completed in 2007.

**Sue and Frank Mayborn Performing Arts Center** was completed in 2017. The facility is designed to double as an academic building and a performance venue. The centerpiece of the facility is a 524-seat theater, complete with orchestra pit, fly space, and proscenium stage.

**Townsend Memorial Library**, named for Dr. and Mrs. E.G. Townsend, contains approximately 150,000 volumes, including bound periodicals and microfilm, and receives over 4,500 current periodicals and newspapers. The fully automated library has access to the Internet, electronic journals (more than 3,500 of which are full-text), and numerous electronic databases. This building was constructed in 1961 and remodeled in 1994.

**J.W. Williams Service Center** is located on the northern edge of the campus, at 800 Industrial Park Road. The building is named for J.W. Williams, who served as maintenance supervisor for the campus from 1936 to 1941 and from 1948 to 1977. This property was purchased in September 2012 and renovations were completed in September 2013. This facility now houses offices and shops for the Physical Plant staff and for custodial services.

**Wells Science Hall**, named for former president Dr. E.H. Wells, was constructed in 1920. It is devoted to classrooms, laboratories, and offices for Mathematics and Physics, undergraduate Psychology, Social Work, Sociology, and Criminal Justice. The building was renovated in 1996, 2001, and 2013.

**W.W. Walton Chapel** was completed in the spring of 1967. Named for donor W.W. Walton of Bartlett, the building serves as a chapel and an auditorium. The Chapel was remodeled in 2003.

**York House** supports the Office of English as a Second Language.

**York Science Center**, named in memory of longtime faculty member Dr. C.L. York, provides offices, classrooms, and laboratories for the Biology and Chemistry departments and also contains the **Anne Ammons Brindley Auditorium**. The building was completed in 1996.

## Athletic Facilities

**Andersen Field House** was made possible by a gift from the Andersen Foundation and was opened in 1998. Renovations were completed in 2011. This facility now combines state-of-the-art video and training facilities for the football program with offices for the football program staff.

**Campus Recreational Office and Courts** were completed in August 2012, encompassing four tennis courts, 3 sand-volleyball courts, and 2 basketball courts. The building consists of 2,000 square feet of office and storage space.

**Crusader Stadium** was completed in 2013 as the first on-campus stadium for the Crusader football program. The facility was made possible through a lead gift from the family of Elizabeth and Drayton McLane, Jr., and is considered by many to be the finest stadium in NCAA Division III football.

**Cummins Field House** was named in honor of Chris and Cindy Cummins of College Station, Texas. The field house offers locker rooms, training areas, and therapy space for the Crusader football program. Dedicated in 2012, Cummins Field House is located adjacent to Andersen Field House in the university SportsPlex.

**Dee Dillon Softball Field** was completed in 2004 as part of the university's SportsPlex on Crusader Way. The field was named in honor of Dee Dillon, chairperson of the Health and Physical Education department at UMHB from 1954 to 1965.

**Frank and Sue Mayborn Campus Center** opened in January 2005. This 122,000 square-foot facility provides offices for Athletics coaches and Exercise and Sport Science faculty, classrooms, a fitness center, a natatorium, an indoor jogging track, a 2,500-seat multi-purpose special events center, and the Mabee-Farris recreation gymnasium.

**Red Murff Baseball Field**, located in the SportsPlex on Crusader Way, was completed in 2004. The field is named in honor of Red Murff, who helped start the baseball program at UMHB in the 1970s.

**Soccer and Tennis Field House** opened in the fall of 2019 and was officially dedicated on October 12, 2019. This 9,763-square-foot facility houses locker rooms for both men's and women's soccer and tennis, athletic training room, meeting room, and full-service laundry facility.

**Yvonne Li Tennis Center** is named in honor of Yvonne Li. Opened in spring 2005, the center includes eight courts, storage space, and support areas for the UMHB tennis teams.

**UMHB Sportsplex** includes football practice field, baseball field, softball field, tennis courts, soccer practice field, and a lighted soccer competition field.

## Campus Living

**Beall Hall** is an apartment style residential building hall made possible by and named for Mary and James Beall. This building was opened in 2000.

**Burt Hall** is a women's residence hall made possible by a gift from Mr. and Mrs. R.E. Burt. The building was constructed in 1920 and remodeled in 1990 and 2001.

**College View Apartments** reverted back to UMHB ownership in May 2014. Phased renovations began in 2014 and were completed in 2016. This complex includes a total of 11 buildings and offers 414 beds for male and female students.

**Farris Hall** is a four-story complex which offers 163 beds for male and female students. The complex was built in 2011 and was named in honor of Martha White Farris (Class of 1942) of Floydada, Texas.

**Gettys Memorial Hall** is a men's residence hall named for Dr. and Mrs. A.C. Gettys. The building was constructed in 1965 and renovated in 1991.

**Johnson Hall** is a women's residence hall named for the mother of Lyndon Baines Johnson, former President of the United States. The building was constructed in 1968 and renovated in 2011.

**McLane Hall** is a men's residence hall named for Mr. Drayton McLane, Jr., of Temple, a major benefactor. The building was completed in 1989 and was renovated in 2002.

**Remschel Hall** is a women's residence hall named in honor of Corrine Remschel, a 1931 graduate. The building was completed in 1993 and was renovated in 2007.

**Stribling Hall** is a women's residence hall named for the daughter of J.C. Stribling, whose gift made the building possible. The building was constructed in 1920 and renovated in 1990.

**Lord Hall** is a residence hall named in honor of Griff and Kathy Lord, Michael and Sharon Lord Dagget, and their families. The three-story facility offers dormitory-style

housing for up to 214 male and female students. The building was constructed in 2018.

## Independence Village

Independence Village pays tribute to the beginnings of the university's history, which was founded in Independence, Texas, as part of Baylor University. The complex, composed of apartment-style housing, was originally opened in 1996 and expanded in 1998, 2005, and 2010.

- **Shannon Commons** was named for John H. Shannon, honorary member of the UMHB Alumni Association and late husband of Pat Lockridge Shannon, Class of 1953. The building was constructed in 2005.
- **Clark Hall** was named for Dr. Horace Clark, principal of the Female Department of Baylor University and president of Baylor Female College in 1871. This building was constructed in 1996.
- **Ferguson Hall** named for Miriam Amanda "Ma" Ferguson, a former student of the late 1800s and first woman governor of Texas. This building was constructed in 1996.
- **Garner Hall** is a housing complex which offers 72 apartments for 141 men and women. The complex is named for John Hood Garner and Alleen Weatherford Garner, whose charitable trust made a key gift toward construction of the facility in 2010.
- **Grover Hall** was named for the late O. Stanley and Blanche Grover, avid supporters and recruiters for the university. This building was constructed in 1998.
- **Hobby Hall** was named for Oveta Culp Hobby, a former student of the early 1920s, who was a businesswoman and first commanding officer of the Women's Army Corps. This building was constructed in 2005.
- **James Hall** was named for the James family, which has maintained close ties with the university since 1885 by serving on the board of trustees, teaching, and attending the university. Eleanor James, Class of 1933, was the author of "Forth from Her Portals," a history of the first 100 years of the university in Belton. This building was constructed in 1998.
- **Provence Hall** was named for Sally A. Provence, a graduate of 1937 and former professor of pediatrics at Yale University. This building was constructed in 1998.
- **Taylor Hall** was named for Mattie E. Taylor, a graduate of 1910 and former member of the board of trustees. This building was constructed in 1998.
- **Tryon Hall** was named for William M. Tryon, one of the original founders of the university in 1845. This building was constructed in 1998.

- **Tyson Hall** was named for Dr. Arthur K. Tyson, president of Mary Hardin-Baylor College from 1954 to 1966. This building was constructed in 2005.
- **Wilson Hall** was named for William A. Wilson, president of Baylor Female College from 1896 to 1911. This building was constructed in 2005.

### Points of Interest/Landmarks:

Allen International College Plaza  
Baylor Academy Gazebo Plaza  
Campus Boys Gazebo  
Class of '42-'46 People Place  
Christ in the Garden Sculpture  
Crusader Sculpture  
Forth From Her Portals Sculpture  
Fountain in Vann Circle  
Historical Park  
Intramural/Band Rehearsal Field  
Landmark Entryway  
Luther Memorial/Old Baylor Bell Tower  
Millennium Oaks Park  
Musick/Flowers Plaza  
N.B. Moon Building (Bell Baptist Association)  
Parker Prayer Garden  
Potter Gazebo  
Potts Plaza  
Senior Bell Plaza  
Student Memorial in Millennium Oaks Park  
York Sesquicentennial Plaza



## RESOURCES AND SERVICES

We have a number of helpful resources available to our university community and the community at large. Below are a number of our most requested resources and services. For additional assistance, you may contact specific departments, faculty or staff by using the directory. If you're not sure who to contact, use our quick contacts. Additionally, the search feature above is a great way to quickly find information.

### The Meadows Center For Academic Excellence

The Meadows Center for Academic Excellence (CAE) is designed to support students in their pursuit of academic success. The center is located on the second floor of the Mabee Student Success Center and provides the following services:

#### Academic Support

The CAE provides individual support for students seeking assistance. Personalized success plans are developed through a partnership between the student and a CAE staff person and are intended to map clear directions for improving academic performance.

FREE tutors are provided for a variety of courses. Generally, tutors are available in the areas of English, math, religion, biology, and chemistry. Tutors from other subject areas may be secured and scheduled upon request to meet student needs. Tutors are recommended by faculty to the (CAE) Staff. Private rooms are usually available for tutoring or studying. A larger Study Zone provides individual study space and areas for groups to work together.

#### Resources Library

College success, note taking, listening, test taking, stress management, time management, and other such topics for college students are addressed through a number of different resources available to students upon request. Private rooms are usually available for studying and tutoring.

#### Registration and Orientation Program

In partnership with various campus offices, the CAE coordinates new student registration and orientation. These events include advising, registration, and an orientation program developed to help new students succeed at UMHB. Registrants are given the opportunity to visit the campus and meet with academic advisors who assist them in their pursuit of educational plans and programs.

### UMHB 1101 Freshman Seminar Student Development Course

Freshman Seminar is one semester hour credit course required of all freshmen who are new to the University of Mary Hardin-Baylor and transfer students who have less than twelve (12) transferable hours (excluding Credit by Exam, AP, CLEP, and ACT). This course must be taken the first semester the student is admitted to UMHB. The main goal of the course is to equip new freshmen with strategies for full, active participation in the process of making a successful transition to UMHB.

This required one hour credit freshman course, taught by faculty from various academic disciplines, provides an experience aimed at improving your chances for success during your first year. A variety of creative, interesting topics are available for you to choose from. This course will:

- Assist you in transitioning to UMHB;
- Provide you with an opportunity to build effective relationships through in-class and out-of-class interactions with other students, faculty, and staff;
- Equip you to take responsibility and initiative for your learning experience as both a UMHB student and a lifelong learner.

#### Advising

Throughout your time at UMHB, a faculty member will serve as your academic advisor. Advisors genuinely care about your academic success and will meet with you periodically and upon request to ensure your needs are met. In 2019, UMHB launched a new app, Navigate Student, which will make contacting your advisor and scheduling appointments quick and easy.

- Establish a trusting, confident, professional relationship with you
- Serve as your source for information related to your major
- Assist in selecting a major and choosing classes
- Assist in solving various concerns that arise
- Refer you to other university sources when appropriate

## The Robert and Linda Black Center for Student Counseling, Testing, and Health Services

### Students Seeking Disability Accommodations

Students who are otherwise qualified for a university program or course and who desire accommodation(s) for a disabling condition are responsible for initiating the request (prior to the accommodation being needed) directly to:

Director of Student Counseling, Testing & Health Services  
UMHB Box 8437  
900 College Street  
Belton, Texas 76513  
Office: (254) 295-4696  
Fax: (254) 295-4196  
Email: [balaniz@umhb.edu](mailto:balaniz@umhb.edu)  
<https://go.umhb.edu/resources/disability/home>

More information regarding procedures and required documentation will be provided to the student upon receipt of the student's specific request.

### Student Counseling

Professional and confidential clinical counseling services are available to students in need of assistance for a wide variety of issues. Crisis counseling, stress management, and a range of other emotional issues are addressed, as appropriate, on an individual and support group basis. Free counseling services are offered to currently enrolled students on a short-term basis by appointment only. When appropriate, referrals are made to mental health providers in the local area. Confidentiality is maintained in accordance with state regulations. More information can be found online at <https://go.umhb.edu/resources/counseling/home>. The Student Counseling Center is located in the Mabey Student Success Center, Third Floor.

### Testing

The Student Testing Program provides students opportunities to receive credit in areas of demonstrated academic proficiency, which is measured utilizing credit by examination programs. When academic proficiency is demonstrated, the University is then able to grant the student appropriate advance standing, elective credit, or equivalency credit as approved by University policy. The following examinations are utilized and/or accepted in the Testing Program:

American College Testing (ACT) Program - National and Residual Assessments  
Accuplacer  
Accuplacer Basic Skills Test

CollegeBoard Advanced Placement (AP) Exams  
CollegeBoard SAT College Admission Test  
College Level Examination Program (CLEP) Exams  
DANTES Subject Standardized Tests (DSSTs)  
International Baccalaureate (IB) Exams  
Departmental Exams

The Student Testing Center facilitates protocols, procedures, and test administration. These functions are in cooperation with the University Registrar, who reports the credit, and respective academic departments. The respective academic departments establish criteria for performance required on Credit by Examination tests and other testing for which credit is waived or granted.

When utilizing the Student Testing Center, students must fully comply with all testing protocols and the university's academic integrity policy.

Miscellaneous testing services offered at the University include Accuplacer and foreign language testing. Exams not offered, but for which information resources are available, include GRE, GMAT, MCAT, LSAT, MAT, ExCET, TExES, NTE, TOPT, and TOEFL.

Townsend Memorial Library offers a variety of online practice tests including the GRE, MCAT, LSAT, TOEFL, GMAT, and NCLEX. Simply access the library's homepage and look for Learning Express Advantage in the list of databases.

For further information regarding Credit by Exam and other examinations, access the following website: <https://go.umhb.edu/resources/testing/home> or contact:

UMHB Student Counseling, Testing & Health Services  
UMHB Box 8437  
900 College Street  
Belton, Texas 76513  
Office: (254) 295-4696  
Fax: (254) 295-4196  
E-mail: [nwilliams@umhb.edu](mailto:nwilliams@umhb.edu)

### Credit by Examination

Students seeking credit by examination may earn semester hours through the following examinations:

1. American College Testing (ACT) Program - National Assessments Only
2. CollegeBoard Advanced Placement (AP) Examinations
3. CollegeBoard SAT College Admission Test
4. College Level Examination Program (CLEP) Examinations
5. DSST (formerly DANTES)
6. International Baccalaureate Program (IB) Examinations
7. Departmental Examinations

## Taking an Exam

- Refer to the current Student Testing Services information on-line at <https://go.umhb.edu/resources/testing/home> for a complete list of approved examinations, minimum scores, additional requirements, and corresponding courses.
- Permission for department examinations must be secured from the specific subject area Associate Dean or Department Chairperson. (A student seeking credit through a department examination during his or her last thirty hours must secure a petition first from the Dean of the student's college.)
- Application for CLEP examinations must be made at the Student Counseling, Testing & Health Services Center. Arrangements for department examinations must be made through the respective academic department. (Students with disabilities should make arrangements at the time of application to test under conditions that meet their pre-approved, documented requirements.)
- Fees must be paid for test administration and for transcription of credit awarded.
- Prerequisites for courses for which a student is seeking credit must be satisfied prior to the examination.

## Credit by Exam Policies

Official credit by examination policies are listed in the Student Testing Services brochure and can be obtained from the Student Counseling, Testing & Health Services Center or on-line at <https://go.umhb.edu/resources/testing/home>. The following are some important policies:

- Credit for any course a student has previously audited, taken for noncredit, received the grade of "D", or failed may not be earned by examination.
- Duplicate credit will not be awarded.
- Grade points are not earned through credit by examination.
- Residence hours may not be earned through credit by examination.
- No more than one-fourth of the total semester credit hours required for a degree may be earned through credit by examination.
- Students may not use more than six hours of credit by exam for English or Writing courses. This includes credits earned by any combination of exams (AP, CLEP, etc.)
- Credit earned by examination will be placed on a student's transcript after the official score report is received, processed, and the transcription fee is paid.
- Credit by examination secured through another college or university by a student transferring to UMHB must meet the minimum score requirements stated in the Student Testing Services brochure in effect at the time of the request.
- An official ACT, AP, or CLEP test score report must be sent to the Registrar for evaluation of the credit.
- Processing of transcripts is accomplished by the Registrar's Office.

## Student Health Services Center

A vital component of the university experience for UMHB students is a healthy lifestyle. The goal of the Student Health Services Center is to educate students on health issues and encourage healthy lifestyles. Health fairs, wellness screenings, and health topic presentations are examples of UMHB's effort to educate and empower students to make informed decisions about their health.

A full-time Registered Nurse serves as Coordinator of the Student Health Services Center and provides a range of student health services, including first aid, nursing assessment for wellness and illness, immunizations, patient education, and referrals to local healthcare providers and community health resources as needed.

The Student Health Services Center is available at no cost to UMHB students during regular business hours, with or without an appointment. The Student Health Services Center is located in the Mabee Student Center.

Student requirements:

- Once accepted for admission to UMHB, all students who are applying for campus housing must submit a housing application, which includes a Medical History form.
- Vaccinations and TB Tests (there is a nominal charge):
  - Effective January 1, 2014, the State of Texas requires all first-time students &/or transfer students who are 21 years or younger to receive a vaccination for Bacterial Meningitis. The vaccine must be obtained within five years preceding enrollment or a booster is required. Written evidence of vaccination must be submitted to UMHB. A student must receive vaccination or booster at least 10 days prior to the first of class or moving into campus housing, whichever is first (Texas Education Code, §51.9192, Subchapter Z).

- If a student has been outside the US in the last year for more than a 3 week period, a TB skin test is recommended. Once accepted for admission to UMHB, international students from countries identified as “TB high-risk” (source: World Health Organization) are required to submit a negative TB test from a licensed medical professional within the United States. Results from test completed outside the United States recorded on government-issued documents are presented by the student upon arrival. UMHB reserves the right to review the source of test results to determine if they will be accepted. The test results must be dated no more than 6 months prior to the student’s initial enrollment date at UMHB. Either a negative TB skin test or a negative (normal) chest x-ray report will be accepted. Test results may be included on the UMHB Medical History form or scanned and emailed separately to UMHB Health Services. The Student Health Center also offers the TB skin test at a nominal charge. Students are encouraged to submit proof of current immunizations for their age, as published by the State of Texas. (source: 25 TAC §§97.61; 97.63-97.72) Student Health Services Center contact

### **Student Medical Expenses**

*UMHB assumes no responsible for medical expenses incurred by students and strongly encourages all students to maintain individual medical insurance.*

Various health insurance applications are available for the student’s convenience at the Student Health Center. It is up to the individual student/parent to choose which healthcare plan would best meet their needs.

Students may be required to show proof of individual medical insurance acceptable to UMHB as a condition of participation in some university programs or activities.

### **Resources for Pregnant Students**

The University of Mary Hardin-Baylor continues to provide equal access to its education programs to students during pregnancy and childbirth. Any student may meet with UMHB’s Title IX Coordinator to learn how the university supports and encourages pregnant students in continuing their education. Depending on the circumstances, the university may be able to help students with excused absences, a leave of absence from school, or other reasonable alterations to academic programs in order to help students remain in school in spite of limitations which may be recommended by a health care provider.

Pregnant students who anticipate a need for assistance with their academic program are encouraged to contact the Title IX Coordinator rather than individual faculty members. The Title IX office will work with the student

and with faculty as needed to develop an individualized education plan that will insure equal access to the university’s programs and provide pregnant students the best opportunity to complete their education. Contact: Susan Owens, Vice President for Human Resources, Title IX Coordinator and non-discrimination compliance officer, Sanderford Administrative Complex, 900 College Street, Belton, Texas 76513, 254-295-4527, [susan.owens@umhb.edu](mailto:susan.owens@umhb.edu)

## **Career Services**

### **Mission**

The mission of Career Services, a department within the Student Life Division, is to encourage and assist students and alumni in the discovery of their unique talents and gifts, development of career and job-related skills, and leadership in purpose and vision as they pursue their calling.

### **Assessments**

The Career Center offers several programs to assist the student in their career decision-making process. The assessment tools include the on-line Traitify, Strong Interest Inventory College Profile, and I-Start Strong. Each provides a collection of data related to a student’s abilities, interests, and values.

### **Career Coaching**

Career Services is committed to assisting each student in career planning and development. A realistic career path strategy will be mapped out and explored through regular visits with the Career Center. Effective career planning is a 4-year activity with specific tasks to be completed including shadowing and internships. Students should Start Early, Get Prepared & Be Noticed for career success upon graduation.

### **UMHB 4100 Career Coaching & Planning Course**

Each Semester Career Services offers a Career Coaching & Planning Course for one hour academic credit to assist students in career development education. This course is designed to offer students enhanced career coaching through personalized coaching, planning and course of action with opportunity for independent study. Activities and assignments are designed to meet personal career calling and planning needs.

### **Handshake**

The Career Center serves as a clearinghouse for job leads, and the center is in contact with employers striving to expand networks for internships, part-time, and full-time opportunities. The center does not serve as a staffing or placement service, but is a resource for contacts and job postings. All jobs posted by recruiters can be found through Handshake. Handshake also provides Career Services event information, appointment scheduling, and company reviews from other college students.

### **Job Search Skills & Tools**

A wide range of skills and tools are required in today's competitive and challenging economic environment. Students will have the opportunity to participate in group workshops or individual meetings to sharpen their skills and develop documents to best market them for employment. This includes resumes, cover letters, personal statements, writing samples, professional portfolios, and online profiles such as LinkedIn.

### **Resources**

The Career Center maintains a library of career-related materials. Available on the Career Services website is "What Can I Do With This Major?", Glassdoor, "Going Global," and "Candid Career Videos." Other resources available include tips for interviewing, attending job fairs, and researching employers.

### **Special Career Events**

Career Services offers an array of special events to help students in their career path.

Programs include: Part-Time Job Fair, Education Job Fair, Job & Internship Fair, Nursing Job Fair, Mock Interviews, Senior Etiquette Dinner, Speed Interviews, Summer Camps Info Tables, Company Showcase Days and Information Sessions, Graduate and Professional School Information sessions, and Employer Q&A Panels

**Career Services** is located in the Mabee Student Success Center, Suite 202. Hours are Monday – Friday 8-5. Appointments available. Walk-ins welcomed.

Career Services  
UMHB Box 8415  
900 College Street  
Belton, TX 76513  
Office: (254) 295-4691

careerservices@umhb.edu  
<http://careerservices.umhb.edu>

## **Registrar**

Students who change their local or home address after registration, or change their name after enrollment are expected to notify the Registrar of this change immediately. A legal document, such as a marriage license, divorce decree allowing a name change, or a court document is required for any name change. Any communication mailed from the university to the name and address on record in the Registrar's Office will be considered to have been properly delivered, and the student is responsible for the information contained therein.

## **Townsend Memorial Library**

The University Library contains resources to support research in disciplines leading to degrees and collateral material for breadth of comprehension and leisure reading. The library acquires materials in greater depth in those disciplines for which graduate work is offered. Faculty and librarians select materials specifically to support the curriculum. Monographs, full-text journals, and databases provide infrastructure to both undergraduate and graduate research.

Library services are directed to increasing the successful delivery of pertinent information.

Professional librarians teach skills to allow the student to determine the extent of information needed from the wide array available. Effectively and critically surveying a subject to identify needed information and evaluating its validity and authority are research techniques taught in classroom and personal instruction that contribute to information literacy and lifelong learning.

The library contains total volume holdings of over 209,000 items, including books, audiovisual materials, and electronic books. More than 125 subscription periodical databases are available for scholarly research. The library subscribes to about 500 print journals and there is online access to more than 140,000 full-text journals. NetLibrary provides about 27,000 electronic book titles which are searchable through the library's online catalog.

Current UMHB students, faculty, and staff who have a valid library account may access library resources electronically from off-campus locations. Additional information about the library may be found at <http://lib.umhb.edu> or by calling (254) 295-4637.

## **Student Professional Liability Insurance**

Student professional liability insurance is provided by the University at no additional cost to the student for students

who participate in clinical instruction as part of required academic coursework in the following areas: nursing, counseling, social work, physical therapy, occupational therapy, clinical lab science, cytogenetics and anatomic pathology, and exercise sport science/physiology. For more information, contact the Dean or Program Director.

## STUDENT LIFE

Student Life is a student-services and development component that, while supporting the university's mission, distinctive Baptist heritage, and Christian approach to higher education, provides leadership in strategic planning, programming, policies, and personnel decisions that create opportunities and cultivate insight by attending to the student experience.

Student Life also provides a comprehensive program which is focused on the total (spiritual, physical, social, cultural, and academic) development of each student.

Major goals of Student Life:

- Provide a campus environment conducive to the purpose and mission of the University;
- Provide a balance of challenge and support designed to enhance students' educational growth and development;
- Provide students an opportunity for the practical application of what is learned in the classroom;
- Develop student leadership;
- Involve students in activities, programs, and relationships which promote the development of the whole person;
- Assist in University student retention;
- Develop, maintain, and administer an appropriate discipline program;
- Provide faculty and staff development opportunities.

In addition, we view ourselves as educators who, along with the faculty are concerned with the development of each student. The "classroom" for the Student Life staff may be a residence hall, an office, the gymnasium, an athletic field, the student center, or wherever students and staff are gathered to plan, promote, and conduct activities for student enjoyment, enrichment, and entertainment.

Student activities at UMHB include those designed to provide leadership training, service learning, spiritual growth, intellectual stimulation, cultural engagement, recreational opportunities, and social skills development; to allow the pursuit of individual interests; and to foster a better understanding of the world and of one's self.

### Campus Activities

Activities for students are planned and coordinated through Campus Activities, which is located within the Student Activities Office on the second floor of the Bawcom Student Union. Many of these activities such as Easter Pageant, Play Day, Pancake Supper, most athletic events,

movies, and concerts are free to UMHB students. Other activities such as athletic play-off games, Miss Mary Hardin-Baylor Pageant, Crusader Knights, and Family Weekend, off-campus events such as snow skiing, bowling, etc. may require a fee. The Campus Activities Board is a student organization that has the opportunity to plan and host many different events for the UMHB student body, throughout the year. Membership is open to all students. For more information about when and where these events happen, students and families can access them through UMHB's online calendar, in addition to the Campus Activities Twitter and Instagram accounts, @CAB\_UMHB. The calendar can be found at <http://www.umhb.edu/events.html>. Anyone with questions or seeking more information about events may call the Campus Activities Department at (254) 295-5552.

### Cultural Affairs/Community Service

UMHB values our role as a Christ-centered university which addresses educational, cultural, civic, and economic needs by providing service opportunities for students, faculty, and staff. We strive to instill within students an awareness of people in need and a commitment to seeking solutions, both locally and globally.

### Residence Life

The Office of Residence Life strives to promote the mission of the University of Mary Hardin-Baylor by providing an on-campus living environment that is conducive to scholarship and personal growth. The Residence Life team at UMHB is dedicated to serving students as they choose campus housing and find a place they will call "home" during their time at UMHB. The University of Mary Hardin-Baylor operates eight residence halls, three apartment complexes, and campus houses. Each living area is supervised by a Resident Director (RD), a full-time professional, who lives and works within the designated living area. These RDs each manage a staff of Resident Assistants (RA) who are undergraduate students living and working throughout each building to promote community development. Students living in campus housing are offered the opportunity to engage in a variety of activities and programs, and the focus is on making each facility a community where students can live and learn.

### Spiritual Life - Campus Ministries

The University of Mary Hardin-Baylor strives to provide students with a quality education and prepare them to experience a higher quality of life. While academic excellence can set conditions for a good standard of living, knowing and serving God enables one to appreciate the

purpose of life. Life is more enjoyable and fulfilling when one is aware of God's purpose, understands their calling, and actively pursues God's will for their life. To this end, corporate worship through one of our local churches is recognized as part of a normal, healthy college experience. UMHB welcomes students of all faiths and denominations.

The Spiritual Life Department provides a variety of on-campus spiritual development opportunities including weekly chapel services, ONE services, Missions Emphasis Week, UMHB33 Authentic Manhood discipleship group, Psalm 139 Event women's conference, a campus revival each spring, an annual community service initiative called The Big Event, and worship concerts. The Dean of Spiritual Life and University Chaplain and staff maintain an online prayer wall, stand ready to assist students in identifying local church options, and provide spiritual support to students through all seasons of life at UMHB.

**Global Outreach** - Students have the opportunity to participate with domestic and international teams traveling during routine breaks in the academic calendar. The Director of Global Outreach and a team of student leaders cultivate relationships with global partners and provides robust training and support throughout the experience.

**Baptist Student Ministry** - The Baptist Student Ministry (BSM) at UMHB is the oldest organized in Texas and serves as the local expression of university outreach by Texas Baptists. The BSM is student-led under the guidance of the Director for Baptist Student Ministries, Christ-centered, church-related, community-oriented, and globally-minded in its intentional proclamation of Jesus in the university setting. The BSM hosts weekly worship, evangelism, and discipleship events; prayer initiatives; service projects; and an annual mission effort over Spring Break.

**Additional Opportunities** - Other avenues for spiritual development and outreach are available through Residence Life as well as numerous student organizations (e.g., Apostolic Cru, Bridges International, Delight Ministries, Fellowship of Christian Athletes, Nurses Christian Fellowship, and Young Life).

## Student Organizations

UMHB has approximately sixty-five chartered student organizations, including religious and cultural organizations, academic and honor societies, leadership and service clubs, and sport and spirit clubs. All organizations seeking recognition must be approved by the Student Government Association and ultimately the President of Mary Hardin-Baylor. It is the policy of the

University not to grant official recognition to any organization which promotes goals or purposes inconsistent with the goals and purposes of the University. Faculty and staff serve as advisors and represent UMHB in all planned activities involving the organization or their members. The staff of Student Organizations provides support and other needed services to student organizations, their leaders, advisors, and members.



## COURSE DESCRIPTIONS

### Chapel (UMHB 1002)

A complete education includes experiences that seek to develop the mind, body, and spirit. Chapel attendance is an integral part of the educational process and one of the distinctive features of attending a Christian university. All full-time, degree-seeking students are required to receive credit for chapel attendance. Regular chapel programs are held each Wednesday at 10:00 a.m. and 11:00 a.m. in the W. W. Walton Chapel. Information on the programs presented is available on the [Spiritual Life website](#). All students, faculty, and staff are invited to attend chapel services.

#### Chapel Attendance Requirements

Satisfactory chapel attendance requirements are as follows:

**Incoming Freshmen** must earn “Credit” for Chapel (UMHB 1002) during four semesters at the University of Mary Hardin-Baylor.

#### Transfer Students:

- Students who transfer from other Baptist institutions can apply to the Dean of Students for a review of chapel credits previously earned in order to assess equivalency and, if approved, award credit on their UMHB transcript. Chapel credit is awarded based on the number of semesters for which they earned credit on their transcript at the former institution. Credit is not given for the number of chapels they were required to attend each week, but rather awarded only for the number of semesters they attended chapel.
- Freshmen (entering UMHB with less than 30 semester credit hours)
  - Those who enter UMHB without any chapel credit from previous institutions approved by the Dean of Students must earn credit for **four** semesters of Chapel (UMHB 1002) at the University of Mary Hardin-Baylor.
  - Those who receive credit for chapel attendance at other institutions must earn a total of **four total** chapel credits—the sum of those recognized from other institutions and those earned at UMHB.
- Sophomores (entering UMHB with 30 to 59 semester hour credits)
  - Those who enter UMHB without any chapel credit from previous institutions approved by the Dean of

Students must earn credit for **three** semesters of Chapel (UMHB 1002) at the University of Mary Hardin-Baylor.

- Those who receive credit for chapel attendance at other institutions must earn a total of **four total** chapel credits—the sum of those recognized from other institutions and those earned at UMHB.
- Juniors (entering UMHB with 60 to 89 semester credit hours)
  - Those who enter UMHB without any chapel credit from previous institutions approved by the Dean of Students must earn credit for **two** semesters of Chapel (UMHB 1002) at the University of Mary Hardin-Baylor.
  - Those who receive credit for chapel attendance at other institutions must earn a total of **four total** chapel credits—the sum of those recognized from other institutions and those earned at UMHB.
- Seniors (entering UMHB with 90 or more semester hour credits)
  - Those who enter UMHB without any chapel credit from previous institutions approved by the Dean of Students must earn credit for **one** semester of Chapel (UMHB 1002) at the University of Mary Hardin-Baylor.
  - Those who receive credit for chapel attendance at other institutions must earn a total of **four total** chapel credits—the sum of those recognized from other institutions and those earned at UMHB.

In-person attendance is mandatory to earn attendance credit for those registered for the 10:00 a.m. service (UMHB 1002-01) and the 11:00 a.m. service (UMHB 1002-02).

Live attendees must bring their CruCard to chapel services to earn attendance credit as CruCards are scanned to document participation.

There are no course grades in Chapel, only Credit or Non-Credit.

The minimum number of attendance credits required for students to earn “Credit” on their transcript is listed in the course syllabus, and any changes are communicated via course announcements.

Requests for excused absences should be directed to the Dean of Students. Chapel absences for authorized field trips are excused. The faculty advisor will present a list of participating students to the Provost's Office.

Students who have class conflicts, clinicals, practicums, or internships that prevent them from attending live chapel services on Wednesdays at both 10:00 a.m. and 11:00 a.m. should apply for Alternative Chapel through the Student Development Office located in the Student Life suite on the second floor of Bawcom Student Union. If approved by the Dean of Students, applicants will be assigned to a section of the course (UMHB 1002-03) that allows them to complete all chapel requirements online—asynchronously—for the semester in question.

Students are responsible for making sure they fulfill all attendance requirements. If a student feels that an error has been made, he/she has until the end of the second week of the following semester to reach out to Student Development in person or at 254-295-4590 to question the accuracy of the records. If attendance records indicate that a student did not complete the minimum number of required services or did not make up the absences with the Dean of Students, then that student will receive Non-Credit on their transcript for Chapel on their transcript at the end of the semester.

Non-degree seeking students are not required to fulfill chapel requirements. Non-degree seeking students shall be defined as follows:

- Students entering UMHB on Non-Degree Admissions application form.
- Students entering UMHB with a Baccalaureate Degree seeking to obtain a teacher's certificate or course work to prepare for entry into a professional school such as pre-law courses necessary to enter law school.

(Note: All students included here are not involved in course work requiring their graduation from UMHB or other college or university.)

#### **Students Shifting from Part-Time to Full-Time:**

Chapel requirements do not apply to part-time students. If a part-time student, at any point, registers for twelve or more semester hours thereby becoming a full-time student, then they are required to complete chapel requirements according to their academic standing (freshmen, sophomore, junior, or senior) at the time they begin their first semester in a full-time status. The respective chapel

requirements for transfer students stated above will apply to any student who shifts from part-time to full-time status and continue to remain in effect for as long as said student is enrolled at UMHB. Any students with questions may reach out to the Student Development Office at (254) 295-4590 for guidance.

#### **Chapel Registration**

Students should register for a section of Chapel (UMHB 1002) when registering for classes. Direct any questions regarding chapel registration to the Student Development Office at (254) 295-4590. Students are advised to sign up for Chapel the first semester they begin as a full-time student. By doing this, scheduling conflicts later on may be avoided.

### **Fine Arts Experience (UMHB 1005)**

The general education core at UMHB is designed to help students develop to their full potential as educated persons. UMHB strives to offer its students a setting in which they can mature culturally, as well as intellectually. In an effort to provide a well-rounded education, the University requires a Fine Arts Experience (FAE) in addition to three hours of fine arts course credit required in the core curriculum. The purpose of this Fine Arts Experience requirement is to establish and foster a life-long pattern of fine arts involvement.

All full-time undergraduate, degree-seeking students must attend no less than eight (see requirements listed below) FAE events, one each semester they are enrolled. Students are advised to enroll for UMHB 1005: Fine Arts Experience each semester of full time attendance at UMHB.

#### **What is a Fine Arts Experience Event?**

Each semester a calendar of approved Fine Arts Experience events is prepared. Approved FAE events will cover a wide variety of programs and will be chosen from areas such as plays, art exhibitions and musical performances, or from lectures/presentations of general appeal related to the fine arts. These events will be scheduled and approved by the FAE Coordinator.

#### **How Can the Requirement Be Fulfilled?**

Satisfactory Fine Arts Experience (FAE) attendance requirements are as follows:

1. **Incoming Freshmen** (or transfer students with less than thirty semester hours accepted by UMHB) must acquire eight semesters of FAE credit.
2. **Transfer Students**

- a. Sophomores (students with thirty to fifty-nine semester hours accepted by UMHB) must acquire six semesters of FAE credit.
  - b. Juniors (students with sixty to eighty-nine semester hours accepted by UMHB) must acquire four semesters of FAE credit.
  - c. Seniors (students with ninety or more semester hours accepted by UMHB) must acquire two semesters of FAE credit.
3. Students who complete their education in fewer than the expected number of semesters based on the number of hours with which they entered, will have their FAE requirement reduced to one per full semester they are at UMHB. For example: a student who enters as a freshman but completes a degree in seven semesters will only be required to complete seven FAE credits.
  4. FAE attendance is mandatory, if attendance records indicate that a student did not attend the required number of FAE events, or did not make-up the absence, they will receive non-credit for FAE on the grade report for that semester. Students are responsible for making sure they have fulfilled all requirements for attendance and can check the records of attendance with the FAE Coordinator.

**If a student feels that an error has been made, he/she has until the first two weeks of the following semester to question the accuracy of the records.**

To receive credit, the student must personally present his/her UMHB ID card for scanning to the designated event staff at the conclusion of the event.

## Freshman Seminar (UMHB 1101)

Freshman Seminar is one semester hour credit course required of all freshmen who are new to the University of Mary Hardin-Baylor and transfer students who have less than twelve (12) transferable hours (excluding Credit by Exam, AP, CLEP, and ACT). This course is taken in the first semester the student is admitted to UMHB. The main goal of the course is to equip new freshmen with strategies for full, active participation in the process of making a successful transition to UMHB.

This required one hour credit freshman course, taught by faculty from various academic disciplines, provides an experience aimed at improving your chances for success during your first year. This course will:

- Assist you in transitioning to UMHB;
- Provide you with an opportunity to build effective relationships through in-class and out-of-class interactions with other students, faculty, and staff;
- Equip you to take responsibility and initiative for your learning experience as both a UMHB student and a lifelong learner.

## Peer Mentor Seminar (UMHB 3202)

In the Peer Mentor Seminar, the Peer Mentors (Cru-Leaders) will deepen their understanding of the developmental issues that face first year students as they transition to college life. The Cru-Leaders will have the opportunity to learn theory and apply practical knowledge while working with their assigned mentees.

## Career Coaching & Planning (UMHB 4100)

This course is designed to offer students enhanced career coaching through personalized advisement, planning, and courses of action with the opportunity for independent study. Activities and assignments are designed to meet personal career development needs. Course content will include interest assessments, review of what careers match the student's major, mock interview, and creation of professional cover letters and resumes. In addition, students will learn how to network, conduct successful job searches, and best use of social media. A course of study for any student and major.

## STUDENT AWARDS AND HONORS

### Awards

**The Mary Hardin-Baylor Loyalty Cup:** Awarded at commencement to the senior student(s) who is most representative of the ideals, traditions, and spirit of the University both in the classroom and on the campus.

**The President's Award:** Presented at commencement to a student(s) for meritorious service to the senior class and to the University. This award is not necessarily given every year.

**Accounting Excellence Award:** Presented annually to an outstanding third or fourth year Accounting major by the Texas Society of Certified Public Accountants.

**American Institute of Chemists Award:** Administered by the American Institute of Chemists to recognize outstanding seniors majoring in Chemistry. Given in recognition of a demonstrated record of ability, leadership, and professional promise.

**Austin-Burks Award:** Presented annually to the outstanding Art major. This award is sponsored by the Art Department and is selected by the Art faculty on the basis of academic performance and artistic ability. This award is given in honor of Dr. Ted Austin and Mrs. Maurine Burks who taught Art at UMHB for 25 and 21 years respectively.

**Baylorian Award:** Presented annually to the Managing Editor, Literary Editor, and Art Editor of the *Baylorian*.

**The Evelyn McFatridge Brashears Award:** These awards are given on behalf of Mr. Charles E. McFatridge in honor of his sister, Mrs. Evelyn M. Brashears, former English professors at UMBH: Vignette Award, All Literature Award, and Poetry Award.

**The Business Education Award:** Presented to the graduating senior pursuing certification in business education who shows the greatest potential for becoming an outstanding teacher.

**The Laura Cole Award:** Presented to the senior Nursing student selected by the Nursing faculty as the outstanding member of the graduating class. The award is based on scholarship, leadership, and service. This award was established in honor of Miss Anna Laura Cole, Director Emeritus of Scott and White Memorial Hospital College of Nursing.

**McLane College of Business Dean's Award:** Presented annually to a senior pursuing a McLane College of Business major who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished business leader.

**McLane College of Business Faculty Award:** Presented annually to a senior pursuing a McLane College of Business major who has best exemplified Christian ethical and moral standards, leadership, and scholarship.

**Delta Psi Theta Award:** Presented annually by Delta Psi Theta, UMHB Mathematics Society, to the student with the highest grade in Calculus I.

**School of Exercise and Sport Science Dean's Award:** Presented annually to a senior pursuing an EXSS major who has demonstrated exceptional leadership qualities in the school. Outstanding academic performance along with Christian ethical and moral standards are major criteria in recipient selection.

**Outstanding Student in Sport Management:** Presented annually to a senior Sport Management major who has demonstrated exceptional qualities of scholarship, leadership, integrity and character throughout their academic career. Outstanding academic performance along with distinguished ethical and moral standards are major criteria in recipient selection.

**Outstanding Student in Health Science:** Presented annually to a senior Health Science major who has demonstrated exceptional qualities of scholarship, leadership, integrity and character throughout their academic career. Outstanding academic performance along with distinguished ethical and moral standards are major criteria in recipient selection.

**Outstanding Student in Exercise Physiology:** Presented annually to a senior Exercise Physiology major who has demonstrated exceptional qualities of scholarship, leadership, integrity and character throughout their academic career. Outstanding academic performance along with distinguished ethical and moral standards are major criteria in recipient selection.

**Outstanding Student in Physical Education:** Presented annually to a senior Physical Education major who has demonstrated exceptional qualities of scholarship, leadership, integrity and character throughout their academic career. Outstanding academic performance along with distinguished ethical and moral standards are major criteria in recipient selection.

**The Freshman Science Award:** Given annually to the freshman student who has the highest grade in General Chemistry.

**Genetics Award:** Presented annually to the most outstanding student in Genetics. This award is sponsored by the UMHB Biology Department and the selection of awardees is made on the basis of combined academic performance in lecture and lab.

**The Lillian Shelton Harral Speech Award:** Given annually to an outstanding senior Speech Communication student.

**The W. F. Hutmacher Scholarly Writing Award:** Given annually for the best presentation of literary scholarship in honor of Dr. W. F. Hutmacher, a faculty member in the UMHB English Department for 22 years.

**Kappa Mu Epsilon Award:** Presented annually by the Texas Kappa chapter of Kappa Mu Epsilon, National Mathematics Honor Society, to the student with the highest grade in Abstract Algebra.

**Outstanding Graduating Senior in Christian Studies Award:** This award is given to the graduating senior with the highest GPA in the College of Christian Studies who also demonstrates outstanding Christian character and ministry service.

**Outstanding Senior Chemistry Major Award:** Given to outstanding senior Chemistry majors. This award is sponsored by the UMHB Chemistry Department, and the selection of awardees is made by the Chemistry faculty on the basis of academic performance, professional involvement, and service to the department.

**Outstanding Student in Biology Award:** Presented each spring to the most outstanding senior majoring in Biology. The selection of the awardee is made by the Biology faculty based on scholarship, integrity, professionalism, and potential for success in the field of biology.

**Outstanding Student in Business Computer Information Systems Award:** Presented annually to a Business Computer Information Systems senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Distributed Operating Systems Award:** Presented annually to a Computer Science major with a specialization in Distributed Operating Systems that has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Economics Award:** Presented annually to an Economics senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Entrepreneurship Award:** Presented annually to an Entrepreneurship senior who has demonstrated exceptional leadership, scholarship, integrity,

and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Finance Award:** Presented annually to a Finance senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in International Business Award:** Presented annually to an International Business senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Investment Management Award:** Presented annually to a business student who has demonstrated noteworthy investment management skills, exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Management Award:** Presented annually to a Management senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Marketing Award:** Presented annually to a Marketing senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Multimedia and Information Technology Award:** Presented annually to a Multimedia and Information Technology senior who has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Outstanding Student in Network Security Award:** Presented annually to a Computer Science major with a specialization in Network Security that has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work

performance are major considerations in recipient selection.

#### **Outstanding Student in Object-Oriented Systems**

**Award:** Presented annually to a Computer Science major with a specialization in Object-Oriented Systems that has demonstrated exceptional leadership, scholarship, integrity, and potential for becoming a distinguished leader in his/her profession. High academic performance and successful practical work performance are major considerations in recipient selection.

**Pi Gamma Mu Award:** Given to a senior Social Science major who has demonstrated scholarship, leadership, and service.

**Presser Undergraduate Scholar Award:** Presented annually to an outstanding Music major at the end of his/her junior year. This award is selected by the Music faculty of the basis of academic performance and musical ability. this award program supported by the Presser Foundation includes music programs that show evidence of meeting high professional standards for faculty, curriculum and facilities.

**Sigma Tau Delta Short Story Award:** Presented annually by Sigma Tau Delta, National Honorary English Fraternity, for the best short story of the year.

#### **Education Deans of Independent Colleges and Universities (EDICUT) Outstanding Student Teacher**

**Award:** Presented to the student teacher each semester who has demonstrated to the faculty in the College of Education both excellent academic ability but also the skills and characteristics indicative of excellent teaching performance.

#### **Zondervan-UMHB Award for Excellence in Biblical**

**Greek:** The biblical languages faculty awards the Zondervan-UMHB Award for Excellence in Biblical Greek to the student with the most hours in biblical Greek and who attains the highest grade point average in biblical Greek.

#### **Zondervan-UMHB Award for Excellence in Biblical**

**Hebrew:** The biblical languages faculty awards the Zondervan-UMHB Award for Excellence in Biblical Hebrew to the student with the most hours in biblical Hebrew who attains the highest grade point average.

## **Medals**

**The Provost's Medal:** Given at commencement to the senior(s) with the highest overall grade point average for four years. Recipients must complete a minimum of 60 hours in residence at UMHB.

**The Bluebonnet Medal:** Awarded annually to the editor of the University annual, *The Bluebonnet*, in recognition of the time and effort expended in editing the publication.

**Outstanding Christian Young Man Medal:** Presented to the outstanding Christian young man of the University whose influence has been most helpful to the entire student body and the University as a whole.

**The Jewel Vickers Payne Memorial Medal:** Presented annually to the Art student who exhibits superior drawing skills.

**Stella P. Ross Memorial Medals:** Established by Dr. A. A. Ross as a memorial to Stella P. Ross:

Presented to the student who makes the most progress in the academic discipline of English during the school year. The recipient shall be selected by members of the English faculty of the University.

**The F. B. Russell Journalism Medal:** Presented annually to the editor of the University newspaper, *The Bells*.

## ADMISSIONS

**(For graduate admissions standards, refer to the graduate catalog.)**

**(For Competency-Based Education (CBE) admissions standards, refer to the MyWay at UMHB catalog.)**

### All Applicants

The University of Mary Hardin-Baylor grants admission to students who demonstrate adequate academic preparation and who possess the characteristics necessary for success at a Christian liberal arts university.

In order to be admitted, all applicants must meet the requirements established by the University. Admissions decisions will be based on academic credentials and recommendations. The UMHB Office of Admissions and Recruiting will notify all applicants of admission decisions. If formal notification of admission has not been received, the applicant should contact the Office of Admissions and Recruiting.

By submitting an application for admission to UMHB, the applicant affirms that he/she will comply with all University rules and policies if admitted.

All admission forms and correspondence should be addressed to:

University of Mary Hardin-Baylor  
Office of Admissions and Recruiting  
UMHB Box 8004  
900 College Street  
Belton, Texas 76513

### Enrollment Deposit

Admitted undergraduate students are required to pay an Enrollment Deposit to confirm their plans to attend UMHB. Enrollment Deposits are \$150 for commuting students and \$300 for resident students (housing deposit included). Upon registration, the Enrollment Deposit is applied directly to the student's bill. Deposits should be paid by cash, credit card, money order, or check payable to UMHB.

Once the Enrollment Deposit is received, UMHB will provide information about new student orientation, academic advising and registration.

Admitted new students should pay their Enrollment Deposit by May 1 for the Fall semester or within two weeks following notification of acceptance if admitted after May 1 for the Fall semester or if admitted for the Spring semester or Summer sessions. The date the deposit is paid could affect the financial aid package as well as the orientation/registration date offered, and building eligibility for those applying for housing.

A refund of 100% of the Enrollment Deposit will be given if requested prior to May 1. After May 1, the \$150 pre-payment will not be refunded. A refund of 50% of the housing portion of the Enrollment Deposit will be given if requested after May 1 but prior to June 1. After June 1, the student will forfeit the entire Enrollment Deposit if choosing not to enroll at UMHB. Enrollment Deposits for the Spring semester and/or Summer sessions are nonrefundable.

### Special Note to Students in University Housing

Admitted undergraduate students planning to live in University housing must submit a campus housing application with the required \$300 Enrollment Deposit. Housing is available on a first-come, first-served basis. Applications are made available to students upon acceptance. A completed housing application includes the following: the Enrollment Deposit, a completed Report of Medical History form (which is part of the housing application), and the required meningitis vaccine documents. A Report of Medical History form is required of all University housing students before moving into the facility. Effective January 2, 2012, the State of Texas requires all first-time students and/or transfer students who are 21 years or younger to receive a vaccination for Bacterial Meningitis. The vaccine must be obtained within five years preceding enrollment or a booster is required. Written evidence of vaccination must be submitted to UMHB. A student must receive vaccination or booster at least 10 days prior to the first of class or moving into campus housing, whichever is first (Texas Education Code, §51.9192, Subchapter Z). Students who have not had the meningitis vaccine at least ten days prior to the opening of campus housing will not be allowed to take occupancy of the assigned space.

Residence living requirements: Students at UMHB are typically required to reside in campus housing unless they meet one of the following criteria: a) will live with a spouse, parent, or legal guardian within commuting distance of the campus; b) have 48 or more accumulated hours and/or at least 21 years of age; c) will attend the University as a part-time student. This policy applies to fall/spring semesters only.

**Note: Admission to or completion of a UMHB undergraduate or graduate program does not guarantee licensure by any state licensing board.**

## Admission Requirements

### Regular Admission for Degree-Seeking Students

**\*Note: An official transcript is one that has been received by UMHB directly from the issuing institution. It must bear the school seal, date, and an appropriate signature.**

#### Freshman

Applicants who enroll the semester following high school graduation or have no college hours must:

1. Rank in the:
  - top 1/2 of their high school graduating class with no ACT or SAT score required

**OR**

- lower 1/2 of their graduating class and score a minimum SAT of 1070, or minimum ACT of 21

**OR**

- graduate from high school with a minimum Grade Point Average (GPA) of 3.0

Submit an ACT writing sample or SAT writing sample. required for advising purposes.

Students must have graduated from a regionally accredited or state accredited high school and must have completed the Foundation High School Program [22 credits of which must be of the following: 4 credits of English (I, II, III, and an additional/advanced English course), 3 credits of Mathematics (Algebra I, Geometry, and an advanced math course), 3 credits of Science (Biology, IPC or an advanced science course, and an additional advanced science course), 3 credits of Social Studies (U.S. History, 0.5 credit U.S. Government, 0.5 credit Economics, and a World History or World Geography), 1 credit of Physical Education, 1 credit of Fine Arts, 2 credits of language in the same language other than English (may substitute 2 credits from Computer Science I, II, and III), 5 credits of electives and one endorsement.

**OR**

Completed equivalent credits from a home school curriculum.

**OR**

Received the General Education Diploma (GED) with a minimum score of 145 on each of the four exams.

These qualifications do not guarantee acceptance to UMHB.

A limited number of students may be admitted on conditional admission by consent of the Office of Admissions and Recruiting. An interview may be required.

Applicants must submit:

1. An application for admission with an application fee of \$35 (non-refundable).
2. An official ACT or SAT score report. [For more accurate academic advising and awarding of credit based on subject scores, an official score report from the American College Testing (ACT) Program is needed.] Freshmen age 25 or older that rank in the upper half of their high school graduating class will not be required to take the ACT or SAT. Freshmen age 25 or older that do not rank in the upper half of their high school graduating class have the option of being admitted on academic probation or taking the ACT or SAT while meeting the regular admission requirements.
3. **(for early acceptance)** A high school transcript indicating current class rank, GPA, and/or ACT, SAT scores. The transcript must be sent at the end of the fall semester of the student's senior year.
4. An official final high school transcript after graduation that indicates graduation date and class rank.

#### Transfers from Other Colleges

**(Students transferring less than 12 transferable semester hours [non-developmental, non-vocational] will be admitted using criteria for freshman applicants as well as the following.)**

Applicants must:

1. Be transferring 12 or more transferable credits from a regionally accredited college or university.
2. Have an overall GPA of 2.0 or better (based on a 4-point system). **Entering GPA will be calculated using all hours attempted.** The one exception to this requirement concerns a course that was repeated. In this circumstance, only the highest grade received for the repeated course will be used when calculating the entering GPA.
3. Not be on scholastic or disciplinary suspension from the last college or university attended.

These qualifications do not guarantee acceptance to UMHB.

Applicants must submit:

1. An application for admission with application fee of \$35 (non-refundable).
2. An official transcript from each college previously attended **(sent directly from the institution to UMHB). Even though courses taken at one**



**institution are noted on another college's transcript, applicants must submit transcripts from the institution at which the courses were taken.** Transcripts from other institutions which have been submitted for admission or evaluation become part of the student's academic file and are not returned or copied for distribution

A limited number of students with a grade point average between 1.5 and 1.99 may be admitted on probationary status. Typically, students with a grade point average of less than 1.5 will not be admitted. Written appeals will be sent to the Office of Admissions and Recruiting for further consideration. See Probation (p. 60) for more information.

Admission status will be based on overall transfer grade point average and academic standing at the last college/university attended.

### Transient Students

A transient student is a degree-seeking student at another college or university who desires to take courses at UMHB for transfer. Admission may be gained by furnishing the Office of Admissions & Recruiting with a statement of good standing in lieu of a current transcript from the parent school from which the degree will be granted. Transient students are not eligible for financial aid. See "\*Note" for additional information regarding transient students.

### Individual Approval

In exceptional cases, persons who do not meet the requirements for either regular or transient applicants may be granted special permission by the Admissions and Recruiting Department to study at UMHB. Applicants are required to notify the Admissions and Recruiting Department in writing as to their plans to seek a degree from UMHB.

### Audit

Students desiring admission to the University for the purpose of auditing classes must complete an application in the Admissions Office. An application fee is required. Individuals 18 or under must provide proof of high school graduation or a GED. See "\*Note" and Audit Registration (p. 63) for additional information on auditing classes.

### Non-Degree Students

Students who already have a baccalaureate degree but desire to take additional undergraduate courses (not towards a second degree or teacher certification) must furnish the Office of Admissions and Recruiting with an official transcript reflecting only the last degree acquired. Non-degree students are not eligible for financial aid. See "\*Note" below for additional information regarding non-degree seeking students.

### Just Taking Courses

Students who want college credit for courses but do not plan to complete a degree program must meet regular admission requirements and are not eligible for financial aid; see the "\*Note" below for additional information regarding students who are just taking courses.

### Readmission of Former Students

Former students who have officially withdrawn, stopped attending classes without officially withdrawing, attended another institution during their absence, and/or have served a period of Academic Suspension and who are otherwise eligible may apply for readmission by completing the undergraduate applications for admissions. If readmission is approved, re-admit students are not required to pay the application fee again. If, during their absence from UMHB, students attended any other institutions, they must submit official transcripts reflecting such attendance. Students experiencing a disruption in continuous enrollment lasting longer than one academic year must reorganize their respective degree plan under the current catalog. See additional comments under "Graduation Under a Particular Catalog". (p. 83)

**\*Note: For students who plan to switch from transient, audit, non-degree, or just taking courses to a regular, degree-seeking status, the application procedures listed above for transfer students must be completed. The student's degree program will be determined from the school catalog current at the time of the status change.**

### Admission of International Students

**Note: All forms must be completed in English. All money must be in U.S. dollars.**

**All International Students applying for Admission to the University of Mary Hardin-Baylor must:**

1. Submit completed International Application form. All items must be completed.
2. Submit a notarized Affidavit of Educational Support (I-134) showing the availability of funds to finance student's education and transportation both to school and back to student's home country. A signed letter of support may be substituted for the affidavit. The letter should state the relationship of the sponsor to the applicant and specify exactly what expenses are covered. Documentation is required. All money amounts must be stated in U.S. dollars.
3. Submit official transcripts or diplomas from all schools, colleges, and universities previously attended. If the student has attended United States colleges/universities, the official transcripts must be mailed directly from the college/university to the Office of Admissions and Recruiting. Students wishing to submit undergraduate transcripts for possible transfer credit are required to submit the original transcript to a

recognized evaluation service with the course-by-course evaluation sent directly to the university. Transcripts from other institutions which have been submitted for admission or evaluation become part of the student's academic file and are not returned or copied for distribution.

4. Submit a score report from a university recognized English proficiency exam. UMHB accepts reports from Test of English as Foreign Language (TOEFL), International English Language Testing System (IELTS), and Pearson Test of English (PTE). Students unable to submit scores from one of the accepted language proficiency tests may be able to substitute a face-to-face interview with a university representative. Interviews will be conducted via an electronic medium in which identity can be verified.
5. Submit a copy of the passport identification page. Passport must show validity at least 6 months from the expected date of enrollment.
6. Submit the following fee (in U.S. dollars):  
\$135 Application Fee (Not refundable.)

When all of the above items have been received from the student, action will be taken by the Office of International Student Services. An I-20 form cannot be issued until the student has been accepted by the university.

The University reserves the right to change its tuition, fee, and other costs at any time..

**Once accepted for admission**, all international students are required to:

1. Submit a completed Medical History form.
2. If living in campus housing, submit completed University Housing Reservation form - including Medical History form and validation (copy of shot records) of the meningitis vaccine (Menactra).
3. All students from countries identified as "TB High Risk" as published by the World Health Organization: submit validation of a negative TB skin test and/or report of negative (normal) chest x-ray - must be no more than within 6 months prior to initial enrollment. Tests and reports must be from a medical provider in the United States. Reports from other countries will not be accepted.

## General Academic Requirements

Students who are seeking a major or an approved academic program offered by UMHB will be considered for admission. All degree-seeking students will be required to meet all University degree requirements including all applicable chapel and Fine Arts Experience requirements and the required six semester hours of Christian Studies courses; no degree requirements are waived for international students. Students will be allowed to continue

in enrollment only if they maintain good academic progress.

## I-20

This U.S. Immigration Student Eligibility form will be issued only after all conditions of the application and admissions processes have been met. Mary Hardin-Baylor is an Academic School, and no I-20 will be issued to any student for the sole purpose of aiding the student in avoiding military service in his/her home country.

## Transportation

The major international airport serving Central Texas is the Dallas/Fort Worth International Airport. Commuter flights are available from this international airport to the local airports in Killeen (32 miles from campus) and Austin (50 miles from campus). Cab transportation may be obtained at the airports. Bus transportation to Belton is another option.

## Money

Students are encouraged to carry travelers' checks or cashier checks. Money may be deposited in a local bank. Advanced fees, tuition, and room and board must be paid in U.S. dollars or negotiable instruments.

## Payment of Accounts

Students may use cash, traveler's checks, or credit card for payment. All payments made directly from a financial institution outside the United States must use the Flywire by Peer Transfer network. Enrollment in the Peer Transfer network should be completed before arrival in the United States. Detailed instructions are available at [umhb.peertransfer.com](http://umhb.peertransfer.com). Please note this is a UMHB specific site and may be used only for tuition/fee payments to the university.

## Mail all Correspondence to:

University of Mary Hardin-Baylor  
Director of International Student Services  
UMHB Box 8367  
900 College Street  
Belton, Texas 76513  
USA

## English Proficiency Guidelines

### English Proficiency Guidelines

#### Overview

UMHB does not offer a full-time English for Speakers of Other Languages (ESOL) program. Some students may require ESOL classes in addition to degree credit classes in order to succeed in university level classes. Therefore, an

English language proficiency test must be submitted as part of international admissions requirements.

Students who have completed high school courses in an English-language program or who complete an interview with the ESOL program director may be exempted from submitting an English language proficiency score report. Documentation of the high school language of instruction is required. This exemption does not apply to ESOL class requirements unless specifically granted by the ESOL program director.

Graduate international students must submit a TOEFL or IELTS score as a part of their application. Students whose scores do not meet the minimum requirements for admission to graduate academic work may be required to enroll in ESOL classes.

If the score is above the requirements for admission to the undergraduate or graduate programs (as described below), the student will be admitted to his/her academic program without further ESOL restrictions.

### **Admission to Undergraduate Programs without ESOL**

The minimum scores required to enter academic classes bearing credit toward graduation:

TOEFL=At least 80 (iBT) with at least 20 in *each* band.

IELTS=At least 6 in *each* band.

PTE (Pearson Test of English) = 53

Graduate students must submit a TOEFL or IELTS score as a part of their application. English language proficiency admission requirements may vary due to the linguistic competence necessary for each graduate program. If an international student has attended an English-speaking college or preparatory school prior to admission to UMHB, the ESOL requirements may be waived. Please contact the ESOL Director for information regarding waivers.

### **Admission to Graduate Programs without ESOL**

Please contact the Graduate Admissions office for English language proficiency scores specific to each graduate program.

### **Students Who Do Not Meet English Language Placement Standards for Admission to UMHB Undergraduate Programs without ESOL support**

Upon arrival, the student will be given a 3-part English placement test. Parts 1 & 2 are the Listening and Reading Comprehension components. Part 3 is a writing sample administered and graded by UMHB faculty. Students are scored on accuracy of grammar, coherence of writing, and skilled use of written English. Based upon the results of placement testing, students will be enrolled in the appropriate combination of ESOL and/or academic courses.

Several ESOL classes of 3 credit hours are offered: Grammar, Reading, Writing, and Oral Communication. In addition, there are basic, intermediate, and advanced levels of each class to meet student needs. ESOL tuition is 50% of the cost of undergraduate tuition.

In order to progress from the ESOL program to other classes, a student must meet ALL of the following exit requirements:

1. Score at or above the designated cut-off on the English Proficiency exam.
2. Score at least 75% in all ESOL classes.
3. Pass an oral interview with a team of UMHB faculty members.

The interview team will evaluate the communication skills of the student and make the decision as to whether the student can be released to all regular classes or remain in a specified number of ESOL courses. Students must enroll in all ESOL courses recommended by this interview team.

After an ESOL student has completed these exit requirements, he/she will be released from the ESOL program.

### **Standards for Continued Enrollment**

Undergraduate Students: If, after completion of the advanced level ESOL classes, a student does not meet the ESOL exit requirements for all language skills (listening, reading, and writing), he/she will be evaluated by an academic committee to determine whether enrollment can be maintained.

## FINANCIAL AID

The University of Mary Hardin-Baylor makes available a broad range of financial assistance to qualified students. Most financial aid is awarded in accordance with demonstrated need for assistance, as determined by use of the Free Application For Federal Student Aid (FAFSA). Certain University scholarships are awarded upon the basis of excellence in academics or proficiency in a particular field of study or activity.

All financial aid is granted for no more than a nine-month academic period. Financial aid is renewable each year, **upon reapplication**, if the student is in **good academic standing**. Possible changes in the amount of aid for each succeeding year may occur because of changes in funding levels and applicants' financial data. There is no deadline to apply for financial aid; however, the priority date is December 1st of each year.

Generally, students do not receive grant/scholarship funds in excess of their direct university expenses, except as required by law.

### Application Procedures

Students applying for financial aid must complete the following steps:

1. **Process a Free Application For Federal Student Aid (FAFSA):**

This is a form that determines the family's ability to contribute to the student's education. The completed form can be completed electronically via the internet at [www.studentaid.gov](http://www.studentaid.gov)

2. **Submit additionally requested documents:** UMHB Verification Worksheet(s) and parent's and/or student's IRS Tax Return Transcript(s) as requested. All requested documents will appear on [myfinancialaid.umhb.edu](http://myfinancialaid.umhb.edu) under the "Documents" page.

3. **The UMHB Financial Aid Office** will follow up with an email request asking for other forms and documentation that may be required of the student in order to verify information provided on the Free Application For Federal Student Aid.

All electronic communication should be directed to [finaid@umhb.edu](mailto:finaid@umhb.edu). Scanned documents, should be imported securely through the financial aid portal ([myfinancialaid.umhb.edu](http://myfinancialaid.umhb.edu)).

All mail to the Financial Aid Office should be addressed:

University of Mary Hardin-Baylor  
Financial Aid Office  
900 College Street UMHB Box 8080  
Belton, TX 76513

**\*Note: A student's financial aid application may be processed on an estimated basis until all required documentation is submitted.**

### Awarding Policy

The Free Application For Federal Student Aid uses a federal formula to determine an amount which the family and/or the student is expected to contribute towards the student's expenses. This family contribution amount is then deducted from the student's budget, which estimates all reasonable and moderate expenses for the period of enrollment.

Once the maximum amount of aid eligibility has been determined, the Financial Aid Office prepares a financial aid package. The Financial Aid Administrator will award in this "package" a combination of grants, scholarships, loans, and/or campus employment to help meet the student's financial need.

The completed financial aid package is submitted to the student for acceptance through an online Financial Aid Notification. The student may accept the package in part or in whole. If certain programs are rejected, they will not necessarily be replaced with aid dollars from other programs. **The Financial Aid Offer must be accepted through <http://myfinancialaid.umhb.edu> by the stipulated timeframe, or the offer becomes void.**

### Leaving School

All students who have received financial aid must clear their records with the Financial Aid Office prior to withdrawing from school. Those financial aid recipients who plan to graduate or who plan not to return to Mary Hardin-Baylor the following regular semester must also clear their records with the Financial Aid Office. Failure to do so will result in a hold placed on the student's account and/or transcript.

### Refund/Repayment Policy

Please refer to the financial section for more information.

### Satisfactory Academic Progress (SAP) and Financial Aid

The Higher Education Act of 1965, as amended by Congress, mandates that institutions of higher education monitor the academic progress of students who receive federal financial aid. The University of Mary Hardin-Baylor has established the following minimum standards to be eligible for and continue to receive federal financial aid.

This policy reflects the changes to federal regulations that are effective as of July 1, 2011.

Satisfactory Academic Progress (SAP) will be reviewed at the end of each payment period (fall, spring, and summer semesters) and will be based on the student achieving both a minimum cumulative grade point average (CGPA) and earning a minimum of 70% of credit hours attempted (also known as, “meeting SAP”).

Please note that state and institutional programs may have higher academic requirements, and eligibility for those financial aid programs is subject to the conditions of each program.

- Merit-based academic scholarships also have minimum GPA requirements to maintain each semester.
- Tuition Equalization Grant (TEG), a Texas resident need-based program, students must complete a minimum 24 hours per year and maintain a minimum cumulative 2.5 GPA for renewal. If a student fails to meet the required cumulative GPA or minimum earned hours at the end of each academic year, a student will receive notification of TEG SUSPENSION.

## CGPA requirements by classification

Minimum 1.80 CGPA: undergraduates before their 4th semester of attendance

Minimum 2.00 CGPA: undergraduates after their 4th semester of attendance

Minimum 3.00 CGPA: graduate students

Note: Students should note that the standards for Satisfactory Academic Progress (SAP) for Financial Aid purposes are slightly different from the standards for academic purposes. See “Academic Probation” for the academic standards and how they apply to academic standing.

## Pace

Satisfactory academic progress is determined by dividing the cumulative number of credit hours successfully completed by the cumulative number of credit hours attempted (including transfer credit hours that have been accepted). The percentage must be greater than or equal to 70% in order to meet SAP. The maximum timeframe for program completion is 150% of the published program length.

Financial aid will not be disbursed until all prior academic year grades have been posted.

## (SAP) Warning Period

In the first payment period (semester) after SAP has not been met, students will be sent notification to inform them that they are not meeting SAP for purposes of financial aid. The notification will include SAP requirements, steps necessary to meet SAP in the upcoming payment period (semester), and the consequences for failing to meet SAP at the end of the warning period.

During the warning period, students may continue to receive financial aid. At the completion of the warning period, students who do not meet SAP are ineligible for financial aid. The Financial Aid Office will notify students at the end of the warning payment period (semester) if they failed to meet SAP. The notification will include information concerning the loss of financial aid for the upcoming payment period (semester) due to failure to meet CGPA and/or 70% completion rate, and the appeal process.

## (SAP) Probation Period

If a student is placed on Suspension, he/she has the option of appealing the suspension through the SAP appeal process. If the appeal is granted, the student will be placed on Probation for the next semester, and the student must bring his/her SAP eligibility to Good Standing status during the semester or be placed on Suspension. While on Probation, the student may continue to receive financial assistance if he/she is otherwise eligible.

## SAP Suspension

If a student was previously under a financial aid Warning or Probation SAP status and fails to meet SAP eligibility requirements during the next semester, the student's status will be placed on Suspension, and the student is NOT eligible for federal, state, or institutional financial aid during the next semester he/she attends the university. A student who is placed on Suspension may appeal this decision through the appeal process.

## SAP Appeal process

Step One: Students who choose to follow the appeal process must:

- Submit appeal to the Financial Aid Office
- State why he or she failed to meet SAP requirements
- State what has changed so that he or she will meet SAP at the next review (semester)

Step Two: The Financial Aid Office will:

- Review the appeal
- Send results of appeal to the student

- Approved appeals include:
  - Approval and terms of reinstatement of financial aid eligibility
  - Possibility of meeting SAP in next payment period (semester)
  - Possibility of an academic plan over a period of time
  - Consequences for not meeting terms of approval
  - Approved appeals will result in financial aid being awarded for the payment period
- Denied appeals include:
  - Reasons for denial
  - What the student must do to meet SAP
  - Denied appeals will not be awarded financial aid until SAP is met

Step Three: Students must continue to meet terms, as established until SAP is met in order to continue receiving financial aid on a probationary basis. Once SAP is met, the student is no longer considered to be on probation. Failure to maintain SAP thereafter will result in receiving an additional warning for the upcoming payment period (semester).

## Transfer Credits

Accepted credit hours will be included in the SAP calculation for the next payment period (semester).

- Assumes all accepted credits will be at least 2.0 GPA
- Counted in the next evaluation period following receipt and review of the transcript
- Incoming transfer students transfer in, meeting SAP
- Transfer credits accepted by The University of Mary Hardin-Baylor are included in the credit completion rate and maximum time frame calculations, but not the GPA.

## Remedial/Developmental Coursework

The University of Mary Hardin-Baylor does not accept remedial transfer credit hours.

The University of Mary Hardin-Baylor does include its own developmental coursework toward credit hours.

## Incomplete Grades

Incomplete credit hours will be considered as attempted credit hours when meeting the pace component of SAP. Grades will be included in the CGPA component of SAP during the term in which they were assigned.

## Repeating Classes

- Classes that have been passed may be retaken one time to improve GPA and included in the SAP review (any grade higher than an "F" is considered passing)
- Classes that have been failed may be retaken as necessary and included in the SAP review

## Withdrawing from the University

Prior to the census date – No impact on SAP as no credit hours have been attempted. However, some financial aid may be considered “earned” and be retained by UMHB to assist in covering costs associated with student attendance.

After census date – Credit hours attempted and included in the SAP review.

## Aid Programs by Category

### Federal Programs

There are five major financial aid programs which are funded by the federal government and are made available to UMHB students.

#### 1. Federal Pell Grant

This grant can be applied for when a student completes the Free Application For Federal Student Aid (FAFSA). The Pell Grant Program processes the information reported, then the student's Expected Family Contribution (EFC) is determined and reported back to the student on an Institutional Student Information Report (ISIR). The amount of the grant is based upon the EFC, enrollment status, and cost of attendance. Funds awarded are directly credited to the student's UMHB account.

#### 2. Federal Supplemental Education Opportunity Grant (FSEOG)

Eligibility for this grant is determined after Pell Grant eligibility has been established. SEOG recipients will also be Pell recipients and will show the smallest of family contributions. This program is funded only in a limited manner. Funds awarded are directly credited to the student's UMHB account.

#### 3. Federal Direct Loans

##### • Federal Direct Subsidized Student Loan

This is a federally insured loan. Student with demonstrated need may receive up to \$ 3,500 per academic year for the first year (0-29 hrs), \$4,500 for the second year (30-59 hrs), and \$5,500 for subsequent years (60+ hrs), not to exceed an aggregate total of \$23,000. No interest is charged on the loan until the student falls below half-time status. After being awarded this loan, students must

complete online entrance counseling and a master promissory note

- **Federal Direct Unsubsidized Student Loan**  
Same terms and conditions as Subsidized Stafford loans, except that the borrower is responsible for interest that accrues during deferment periods (including in-school) and during the six-month grace period. Dependent Students who do not demonstrate a financial need may borrow up to \$5,500 per academic year for the first year (0-29 hrs), \$6,500 for the second year (30-59 hrs), and \$7,500 for subsequent years (60+ hrs)

#### **Loan Borrowing Limits**

| <b>Year</b>   | <b>Dependent Students (except students whose parents are unable to obtain PLUS Loans)</b> | <b>Independent Students (and dependent undergraduate students whose parents are unable to obtain PLUS Loans)</b> |
|---|---|--|
| First-Year Undergraduate Annual Loan Limit            | \$5,500—No more than \$3,500 of this amount may be in subsidized loans.                   | \$9,500—No more than \$3,500 of this amount may be in subsidized loans.  |
| Second-Year Undergraduate Annual Loan Limit           | \$6,500—No more than \$4,500 of this amount may be in subsidized loans.                   | \$10,500—No more than \$4,500 of this amount may be in subsidized loans.   |
| Third-Year and Beyond Undergraduate Annual Loan Limit | \$7,500—No more than \$5,500 of this amount may be in subsidized loans.                   | \$12,500—No more than \$5,500 of this amount may be in subsidized loans.   |
| Graduate or Professional Students Annual Loan Limit   | Not Applicable (all graduate and professional students are considered independent)        | \$20,500 (unsubsidized only)   |



|  |   |   |
|--|---|---|
| Subsidized and Unsubsidized Aggregate Loan Limit | \$31,000—No more than \$23,000 of this amount may be in subsidized loans. | \$57,500 for undergraduates—No more than \$23,000 of this amount may be in subsidized loans. \$138,500 for graduate or professional students—No more than \$65,500 of this amount may be in subsidized loans. The graduate aggregate limit includes all federal loans received for undergraduate study. |
|--|---|---|

#### 4. **Federal Direct Parent Loan for Undergraduate Students (PLUS)**

Parental based loans that an undergraduate student may qualify for based on their parents credit history. The U.S. Department of Education is the lender. The maximum loan amount is the student's cost of attendance minus any other financial aid received.

#### 5. **Federal Work-Study**

This college work program (need-based) allows a student to work on campus at the prevailing minimum wage. Students on Federal Work-Study are also eligible to apply for select community service positions within the Belton area. Work awards are calculated on 13 hours per week for each 15-week semester. The maximum work award will be indicated on the student's award letter. Timesheets are completed online daily and require the student's supervisor's approval. Earnings are issued bi-weekly through the Bursar's Office and will be used to pay any outstanding balance on the student's account. If the student does not have an outstanding balance, the earnings will be issued directly to the student.

### **State Programs**

#### 1. **Tuition Equalization Grant (TEG)**

This is a need-based grant which requires that recipients be Texas residents and enrolled full-time. The application for this grant is made through the Financial Aid Office. Funds are awarded on a first come first-served basis. Upon

enrollment verification, funds are directly credited to the student's UMHB account.

#### 2. **State Funded Scholarships**

There are various scholarships funded by the State of Texas available to students. These scholarships are need-based and have individual academic criteria. Examples of these scholarships include Fifth-Year Accounting Student Scholarship Program and the License Plate Insignia Scholarship Program.

#### 3. **Texas College Work Program**

This college work program (need-based) allows a student to work on campus at the prevailing minimum wage. Work awards are calculated on 13 hours per week for each 15-week semester. The maximum work award will be indicated on the student's award letter. Timesheets are completed online daily and require the student's supervisor's approval. Earnings are issued bi-weekly through the Bursar's Office and will be used to pay any outstanding balance on the student's account. If the student does not have an outstanding balance, the earnings will be issued directly to the student.

### **Institutional Programs**

#### 1. **Endowed Scholarships**

These are funds made available to students by the institution through endowment programs and special gifts to the University. A detailed list of scholarships follows. In most cases endowed scholarships are need-based and given out based on the results of the FAFSA.

#### 2. **Institutional Scholarships**

These funds are made available to students by the institution. Scholarships are awarded based on academic skills and/or merit. On the following pages, academic scholarships are outlined in greater detail.

#### 3. **Work Duty**

This college work program allows a student to work on campus at the prevailing minimum wage. Work awards are calculated on 13 hours per week for each 15-week semester. The maximum work award will be indicated on the student's award letter. This program is similar to the Work-Study program except that students may be hired because of special skills or other criteria instead of demonstrated financial need. Time sheets are completed online daily and require the student's supervisor's approval. Earnings are issued bi-weekly through the Bursar's Office and will be used to pay any outstanding balance on the student's account. If the student does not have an outstanding balance, the earnings will be issued directly to the student.

## SCHOLARSHIPS

### Academic Scholarship Programs

#### President's Scholarship:

Criteria: Minimum ACT: 31, or \*SAT: 1390, or National Merit Scholarship Finalist

Annual \$ Amount: \$72,000: \$18,000 per year

Required GPA: 2.0 (Cumulative)

#### Vice President's Scholarship:

Criteria: ACT 28-30, or \*SAT: 1300-1380

Annual \$ Amount: \$60,000: \$15,000 per year

Required GPA: 2.00 (Cumulative)

#### Dean's Scholarship:

Criteria: ACT 24-27, or \*SAT 1160-1290

Annual \$ Amount: \$40,000: \$10,000 per year

Required GPA: 2.0 (Cumulative)

#### Honor Scholarship:

Criteria: Meet regular admissions requirements

Annual \$ Amount: \$28,000: \$7,000 per year

Required GPA: 2.0 (Cumulative)

\* SAT score equals Critical Reading + Math. All students must complete the written portion for the exam, but no minimum score is required.

#### Requirements for the First-Time Freshman Scholarships:

- Maintain full-time status (12 hours or more) each fall and spring semester.
- Maintain full-time status (12 hours or more) each fall and spring semester.
- Must reside on-campus to receive the amounts shown. If you reside off-campus, you will qualify for \$2,000 less in annualized academic scholarship amounts (\$1,000 per semester).

ACT and/or SAT results must be received by the UMHB Admissions Office by April 1 for students entering in the Fall semester or by November 1 for students entering the Spring semester. Retesting scores will not be considered after these deadlines.

- Renewable for up to eight consecutive fall and spring semesters based on a cumulative grade point average of 2.0 or above
- Academic Scholarships are limited to one per student.
- Scholarship criteria are subject to change each year.
- Must be enrolled as a degree-seeking undergraduate student.
- Please note that students may initially qualify for an academic scholarship based on self-reported and/or unofficial test scores. If you have not already done so, please submit your official test score(s) and to the Admission's & Recruiting Office to finalize academic scholarship offerings.
- Academic scholarships are tuition based scholarships and will only be applied to the tuition portion of a student's bill.
- Please keep in mind, receipt of additional funding (e.g. Veteran Affairs benefits, outside scholarship, increase in academic scholarships, etc.) may require adjustments to your financial aid award package.

#### Transfer President's Scholarship:

Criteria: 12 transferable hours with a minimum 3.5 cumulative grade point average

Annual \$ Amount: \$10,000 per year

Required GPA: 2.0 (Cumulative)

#### Transfer Vice President's Scholarship

Criteria: 12 transferable hours with a 3.0-3.49 cumulative grade point average

Annual \$ Amount: \$8,000 per year

Required GPA: 2.0 (Cumulative)

#### Transfer Dean Scholarship

Criteria: 12 transferable hours with a 2.5-2.99 cumulative grade point average

|                  |                  |
|------------------|------------------|
| Annual \$ Amount | \$6,000 per year |
| Required GPA     | 2.0 (Cumulative) |

## Requirements for the Transfer Academic Scholarships:

- Renewable for up to 7 semesters based on a cumulative grade point average of 2.0 or above
- Maintain full-time status of 12 or more hours each fall and spring semester.
- UMHB Admissions office must have all prior college transcripts in order to make an evaluation of scholarship eligibility.
- Academic Scholarships are limited to one per student.
- Previously enrolled UMHB students do not qualify for transfer academic scholarships.
- Scholarship criteria are subject to change each year.
- Must be enrolled as a degree-seeking undergraduate student.
- Academic scholarships are tuition-based scholarships and will only be applied to the tuition portion of a student's bill.
- Please keep in mind, receipt of additional funding (e.g. Veteran Affairs benefits, outside scholarship, increase in academic scholarships, etc.) may require adjustments to your financial aid award package.

## General Scholarships

**Central Texas Scholarship Fund:** All students will be assessed for this scholarship. Recipients are selected through the UMHB Financial Aid Office.

**Denominational Worker's Dependent Scholarship:** Students, who are children, or spouses, of Baptist denominational workers, and in good academic standing, may apply for the Denominational Worker's Dependent scholarship. Scholarship amounts are: \$1,500/yr for full time enrollment; \$1,125/yr for 3/4 time enrollment; and \$750/yr for 1/2 time enrollment. The scholarship is renewable.

**General Scholarship:** All students will be assessed for this scholarship. Recipients are selected through the UMHB Financial Aid Office.

**Minister's Dependent Scholarship:** Students who are children or spouses of Baptist ministers currently engaged in half to full-time vocational ministry in a local Baptist church or through a Baptist mission-sending agency may apply for the Baptist Minister's Dependent Scholarship.

Scholarship amounts are \$1,500/year for full-time enrollment; \$1,125/year for ¾ time enrollment; and \$750/year for ½ time enrollment. The scholarship is renewable annually for students who are in good academic standing. The Director of Church Relations must verify eligibility.

## BGCT Ministerial Financial Assistance (MFA)

**Scholarship:** The Baptist General Convention of Texas provides financial assistance to Baptist students who are attending Texas Baptist Schools and preparing for careers in church-related vocations. Eligible freshman and sophomore students receive \$50 per semester hour, and eligible junior or senior students receive \$75 per semester hour. An applicant for the MFA scholarship must show evidence of a divine call to church-related vocational ministry, must demonstrate a life-style of commitment to the principles of Christian life, and must be an active member of a Baptist\* church. Students receiving the scholarship must complete, at minimum, a minor in Christian Studies (see the Christian Studies degree requirements page in this catalog). To apply for the scholarship, first-year students must complete the UMHB Ministry Scholarship Application form and the BGCT First-Year Certification form (with Church Certification). To remain on the scholarship after the first year, students must complete the Certification Renewal Form each year. The scholarship works in conjunction with other tuition-based scholarships toward the tuition portion of the student's bill. The UMHB Director of Church Relations must verify eligibility. Applications are available in the office of the College of Christian Studies or from the UMHB Director of Church Relations.

\*First-year students must be certified by a Baptist church. Annual renewal of the MFA will require certification by a Baptist church affiliated with the Baptist General Convention of Texas.

**International Student Scholarship:** Undergraduate students holding an F1 visa are eligible to receive the International Students Scholarship in the amount of \$3,750 per semester. The amount will be applied to tuition charges only. Students may receive the scholarship in their first semester of full-time, academic credit enrollment. Students enrolled in English as Second Language classes will receive a 50% tuition discount on the ESOL classes in lieu of the scholarship. Students will transition to the International Student Scholarship whenever they have full-time enrollment hours outside of ESOL courses. The scholarship is available for 8 semesters for a maximum award of \$30,000 over the course of those semesters. Students are required to maintain good academic standing and adhere to US government regulations governing F1 visa recipients.

**Weir Annual Scholarship:** All students will be assessed for this scholarship.

### **Student Development Scholarships**

**Resident Assistant Scholarship:** Recipients of this scholarship serve as assistants in campus housing. Recipients are selected through the UMHB Student Development office.

## FINANCIAL INFORMATION

### Fees

The following fees are established by the Board of Trustees of the University of Mary Hardin-Baylor. Fees are reviewed annually or as the need arises. A new fee schedule is normally established June 1st of each year.

#### Admission Fee

Applicants are required to pay a non-refundable application fee (\$35 U.S. Students/\$135 International Students). This fee does not apply toward tuition and is paid only once.

#### Enrollment Deposit

|          |   |
|----------|---|
| Resident | \$300 (\$150 enrollment deposit, applied to first semester enrolled and \$150 room deposit, refundable when student is no longer a resident of on-campus housing and eligible for refund) |
| Commuter | \$150, applied to first semester enrolled   |

#### Tuition

Undergraduate — \$965 per semester hour  
 Graduate — \$985 per semester hour  
 Doctoral — \$1,040 per semester hour

#### Other Required Fees

Class Dues — \$15 per semester (for undergraduate students enrolled in 12 or more credit hours)  
 General Service — \$60 per semester hour  
 Technology Fee — \$25 per semester hour  
 Transportation Fee — \$50 per semester (Fall and Spring)  
 Replacement Vehicle Tag — \$15  
 Replacement Student ID — \$10

#### Special Fees

Alternative Chapel — \$25  
 Application of ACT Credit to Transcript — \$60 per course  
 Application of AP Credit — \$30  
 Application of CLEP Credit to Transcript — \$60 per course  
 Application of IB (International Baccalaureate) credit to Transcript — \$60 per course  
 Application of Credit By Exam to Transcript — \$15 per semester hour  
 Application of Nursing Escrow Courses to Transcript — \$30 per course  
 Application of SAT Credit to Transcript — \$60 per course  
 Applied Music Tuition — \$965 per semester hour  
 Applied Music Lab Fee — \$15 per credit hour

Applied Music Practice Room Fee— \$30 per course  
 Audit (undergraduate lecture course only) — \$965 per course \*(non-refundable after two weeks)  
 Credit By Exam Examination — \$35 per semester hour  
 English for Speakers of Other Languages Tuition — \$482.50 per semester hour  
 Graduation — \$30 undergraduate  
     (filing for degree late — additional \$25; refiling for degree — additional \$30)  
 Late Payment Fee — \$50 per month — (See late payment section below for more details.)  
 Schedule Reinstatement— \$100  
 Non-scheduled Exam — \$40  
 Returned check fee — \$30  
 Senior examination fee — \$30

### University Housing

#### Residence Halls

Room and Board Costs Per Semester

Central Bath — \$4,265

Gettys Hall  
 Johnson Hall

Suite Bath --- \$4,615

Burt Hall (2 bedroom/ 1 bath)

Beall Hall (3 bedroom/ 3 bath)  
 Private Bath — \$4,955  
 Lord Hall  
 McLane Hall  
 Remschel Hall

Board Plan (Meal Plan) included in Residence Hall rate (Choose One):

6 Meals per week with \$400 Dining Dollars  
 10 meals per week with \$300 Dining Dollars (default plan)  
 14 meals per week with \$200 Dining Dollars  
 Unlimited meals with \$100 Dining Dollars

#### Apartment-Style Complexes

Costs Per Semester

(Includes \$275 Cru Cash; Meal plan not included)

College View

2 person unit \$3,200  
 3 person unit \$3,475

Independence Village Complex:

4 person unit \$3,500  
 (Clark, Ferguson, Grover, Taylor, Provence, Tryon & James Halls)  
 2 person unit \$4,625

(Wilson, Hobby, Tyson & Garner Halls)  
Farris Hall

2 person unit \$4,900

3 person unit \$4,625

4 person unit \$4,390

Apartment / Commuter Board Plan (Meal Plan)

75 meals + \$300 Dining Dollars — \$925 Summer

Rates (does not include \$275 Cru Cash)

| Apartment Style Housing | Per Person           |
|-------------------------|----------------------|
|                         | \$780                |
| Transportation Fee      | \$25                 |
|                         | (per summer session) |

Students taking at least 6 hours during the May — July 2022 summer sessions may qualify for free summer housing. Please contact Residence Life for more details.

### Estimated Expenses

The average cost is \$19,352 per semester or \$38,730 per year for a typical resident undergraduate. Resident student cost may vary according to room. Commuter cost is \$14,700 per semester or \$29,400 per year. Averages are based on 14 semester hours, room and board (for residential students), technology fee, transportation fee, and general service fee, but do not include books, lab fees, or personal expenses. Tuition, fees, and room and board are due by the due dates set forth for each semester.

### Trip Fees

Courses that have a trip component associated with them will also have a trip fee assessed to cover costs associated with travel. Trips range from weekend camping trips to semester long international study abroad opportunities. Trip deposits and trip fees are non-refundable. Please refer to the course instructor for more information on trips and trip fees.

### Inclusive Access Fees

An inclusive access fee may be assessed for certain courses. An inclusive access fee indicates that the required course materials are included and covered by this fee. Students have access to course materials on first day of course and no prior purchase is required. Students have the opportunity to opt-out of the inclusive access fee during the first five days of the start of the semester.

## Financial Settlement

Account statements are available on MyCampus ([www.mycampus.umhb.edu](http://www.mycampus.umhb.edu)) 24/7. Paper statements are not mailed. Prior to the start of each semester, students are required to Confirm Your Registration using MyCampus. During the Confirm Your Registration process, students identify how they intend to financially settle account charges for the upcoming semester as well as agree to all terms and conditions of registration.

Settlement dates are established and communicated each semester. Tuition, fees, and room & board charges are due by August 1 for the Fall semester and December 15 for the Spring semester. Students receiving any type of financial aid (scholarships, grants, loans, campus work programs, etc.) must complete all financial aid documents by the due date each semester or at the time of registration if the due date has passed. Corrections, adjustments, and / or charges associated with schedule changes after the settlement date are due and payable at that time.

Payments may be made on the MyCampus site with a credit card - Visa, MasterCard, American Express or Discover (credit card convenience fees of 2.5% will apply) or E-Check. No payments are accepted over the telephone. For any check or e-check not honored by a bank, a returned check fee of \$30 will be charged and check writing privileges on campus may be revoked.

Books and other supplies are generally not included on student account bills. Students should have funds available for these expenses. Students with excess financial aid can use a book voucher for textbook purchases at the UMHB Campus Store.

Exclusive arrangements have been made with Nelnet to offer a monthly payment plan option. The monthly payment program is not a loan and bears no interest. An enrollment fee of \$40 per semester enables the payer to make 4 or 5 equal payments to cover projected semester costs. The first payment for the Fall semester is due July 10 (if electing 5 payments) or August 10 (if electing 4 payments), but the program may be entered into later by including all previously due payments with the enrollment fee. The first payment for the Spring semester is due December 10 (if electing 5 payments) or January 10 (if electing 4 payments). Life insurance which covers the unpaid contract amount is included with this enrollment fee.

The payment plan budget is determined by subtracting all financial aid (including scholarships, grants, campus work, if applied to account balance, and loans) from the total of tuition, fees, and room and board. Books, commuter meal plans and other personal expenses may *not* be budgeted and must be paid for at the time they are incurred. Students may call Nelnet toll free at 1-800-7609-5086 or contact via

the web at <https://mycollegelapaymentplan.com/umhb> to assist in calculating monthly payment requirement. If a student is dropped from the monthly payment plan due to nonpayment, the balance owed on the student's account will become due immediately.

UMHB will not release transcripts until all accounts have been settled and paid in full. The University also reserves the right to withhold a student's access to campus services, including MyCampus, MyCourses and UMHB email, and to restrict a student's participation in university events, including commencement, for failure to make complete payment of a student account. Additionally, UMHB may administratively withdraw a student for failure to demonstrate proper responsibility in the handling of financial matters as related to the University.

UMHB utilizes the UMHB Sadermail account as the official means of communicating account notices to students. It is the student's responsibility to periodically check their Sadermail account.

## Account Holds

Accounts that are not financially settled after the first day of each semester will have a financial hold placed on the student account. This hold prevents the release of student's transcript as well as prevents registration for future classes. The hold may also prevent a student from securing their on-campus housing assignment for a future semester.

## Late Payment Fee

Payments are due by August 1, 2020 for the Fall semester, and December 15, 2020 for the Spring semester. Summer and Minimester due dates are posted each term on the Bursar's Office website and in the financial notices sent to students upon registration. Students who are not enrolled and current in the payment plan or who do not have an approved third party payment arrangement (Texas Tomorrow, VA Benefits, etc.) may be assessed a **late payment fee of \$50** per month.

For students enrolled in the payment plan, if monthly payments are not sufficient to equally cover account balance by the last payment due date for the semester enrolled, the late payment fee may still be assessed to the student's account each month. Please verify monthly payments to Nelnet will be sufficient to cover the outstanding balance.

This **non-refundable** fee will be assessed each month thereafter until the account is paid in full or student is administratively withdrawn.

## Collection Costs

The student will remain responsible for all unpaid balances incurred. In the event an account becomes delinquent and is placed with an outside agency for collection, all collection costs and/or legal fees will be the responsibility of the student.

## Schedule Cancellations

A cancellation occurs when a student decides not to attend the University prior to the first day of classes of that term per the published University academic calendar. Cancellations must be in writing or by email to the Registrar's Office prior to the first day of classes for the semester. If the student has a housing assignment, the student must also contact the Residence Life Office in person or in writing to inform them that they will not be attending. For cancellations, all tuition, fees, and room & board will be refunded at 100%. Financial aid for the term is cancelled and returned to the programs. A student's schedule cannot be cancelled on or after the first day of classes.

## Administrative Withdrawal

The university reserves the right to withdraw a student from classes and/or the university if the student's account is delinquent or if such action is deemed in the best interest of the student and/or the university. Students who are administratively withdrawn are subject to the refund and withdrawal policies of the University.

Recorded grades for students who are administratively withdrawn will be I, W, WP, WQ, NC or F. The grade will depend on the time of withdrawal and the student's grade at that time or the circumstances causing the withdrawal. Depending on the circumstances of the withdrawal, an application may be required for readmission.

## Refund Policy

Once the semester begins, registration in the University is considered a contract binding the student for charges for the entire academic period. However, a student may find it necessary to make schedule changes once the semester begins.

Added courses are billed full tuition and fee rate currently in effect regardless of when the student registers for the course.

Dropped courses are refundable according to the refund terms and schedule in effect for the current semester.

**Tuition** — Tuition refunds, when approved, will be granted according to the following schedule:

**Fall or Spring (16 week) semester:**

- 100% refund of tuition, associated general service fee, and associated technology fee prior to expiration of 4th semester day, (4 calendar days) scheduled from the first day of the start of the semester\*.
- 80% refund of tuition prior to expiration of first 2 weeks, (14 calendar days) scheduled from first day of start of semester\*
- 60% refund of tuition prior to expiration of first 3 weeks, (21 calendar days) scheduled from first day of start of semester\*
- 40% refund of tuition prior to expiration of first 4 weeks, (28 calendar days) scheduled from first day of start of semester\*
- No tuition refunds will be made after the end of the 28th calendar day, counted from the first day of the semester\*. Refunds for courses other than regular day classes will be prorated.

\*The start of the semester as published in the University Calendar

Beyond these dates, a student who drops a course because of excessive class non-attendance, poor academic performance, or similar causes, who withdraws without notice, or who is expelled and / or administratively withdrawn is not entitled to a refund. Failure to attend class or simply notifying an individual instructor will not be regarded as an official withdrawal.

Financial aid recipients who drop classes resulting in a change in enrollment status (full-time, part-time) from status at time of financial aid award may be subject to a reduction in institutional aid. This reduction in aid may result in student owing UMHB for the returned institutional aid. Please consult with UMHB's Bursar's Office or Financial Aid Office to understand this impact prior to adding or dropping a course.

**Summer terms:**

- Please refer to the Tuition Refund section on the Bursar's webpage, [bursar.umhb.edu](http://bursar.umhb.edu) for the complete Tuition Refund schedule for summer terms. Due to the accelerated nature of many summer courses, the tuition refund schedule will also follow a more accelerated schedule.

**Fees** — No refunds are available on general service fee, technology fee, or other required or special fees, except as indicated during the 100% refund period.

**Room & Board**— No refunds are available on room & board charges since housing is contracted for an entire academic period.

**Room Deposit** —Unless refunded prior to initial occupancy in accordance with policies in the Guide to Campus Housing, the room deposit constitutes a permanent room deposit for as long as the student resides in university housing. The fee is refundable when a student ceases residency in university owned housing provided the student's room is clean and undamaged and the student has followed the required steps to notify Residence Life and withdraw from campus housing. The student must submit a room deposit refund request, in writing, to the Residence Life/Housing Office in the Student Development Department prior to June 1. If student has an outstanding balance on student account or other residential fines, room deposit will be applied to that balance prior to issuing refund.

A student who moves into university housing and subsequently moves out prior to the end of a semester forfeits the campus housing deposit.

## Withdrawing from the University

Students who must withdraw from the University before the expiration of the semester or session for which they are enrolled must complete the official Withdrawal Form in the Registrar's Office and secure the approval of the Business Office. University housing students must also secure the approval of the Dean of Students before withdrawing from the University.

The federal government mandates that students who withdraw from all classes may only keep the financial aid they have earned up to the time of withdrawal. If a student withdraws or stops attending classes before 60% of a semester is completed, a portion of Title IV funds must be returned in accordance with U.S. Department of Education regulations. In addition, if a student fails to earn a passing grade in at least one class during the semester, the student is deemed by the U.S. Department of Education to have unofficially withdrawn. Title IV funds that were disbursed in excess of the earned amount must be returned by the University. This situation could result in the student owing aid funds to UMHB, government or both.

To determine the amount of aid the student has earned up to the time of withdrawal, the Bursar's Office will do a Return of Title IV (R2T4) calculation. The Bursar's Office will notify and provide instructions to students who are required to return funds to the government. If the student disputes the withdrawal date used in this calculation, the student must provide evidence of participation in an



academically related activity after 60% of the semester to avoid return of Title IV funds. The University's R2T4 Policy can be found at <https://go.umhb.edu/resources/bursar/releaseofTitleIVfunds>.

Students are encouraged to understand the financial impact of withdrawal prior to completing the withdrawal process. The Bursar's Office can assist the student in understanding this policy and the resulting financial impact.

In addition to federal aid returns, a student may be required to repay institutional aid funds to UMHB, based on tuition refund percentage, i.e. Students receiving 80% tuition refund will repay 80% of the institutional aid.)

Students should also be aware that as a recipient of financial assistance, they must comply with the Satisfactory Academic Progress (SAP) Policy. By withdrawing, a student, may not be eligible for financial assistance from UMHB in the future, due to not completing a specified number of credit hours for which aid was disbursed.

A student who withdraws is immediately eligible to apply for readmission except that:

1. A student on academic suspension due to receipt of WQs for withdrawn courses cannot be readmitted until one Spring or Fall semester has passed; and
2. A student may be disqualified for readmission for disciplinary reasons.

- Students who are graduating are sent instructions via email notification 1 month before graduating. Those who do not complete the counseling before graduating receive a follow-up notice after graduation. Holds are placed on student accounts 2-3 weeks after last day of class. Students with a hold on their account will not be able to obtain an official academic transcript until the hold is removed by the Office of Financial Aid.
- Exit counseling is required of students who have not graduated and are not enrolled for the next academic semester, students who are registered less than half-time, or students who are expelled. This same counseling is required even if the student plans to transfer to another institution.

Financial counseling is available to all students, not just students in the circumstances outlined above, and it can be completed at <https://studentloans.gov>.

## Exit Counseling

UMHB takes seriously its responsibility to counsel students with regard to debt and its financial impact. To that end, UMHB offers financial counseling (which is also a federal requirement of the Department of Education). This counseling (also referred to as Exit Counseling) is coordinated through the Office of Financial Aid and is completed online. Exit counseling helps students understand their rights and responsibilities as a student loan borrower and provides useful tips and information to help students manage their loans.

Students in certain circumstances are required to take advantage of financial counseling.

## ACADEMIC STANDARDS

### Credit Hour

The credit hour is a unit by which an institution measures the volume of work a student must complete to earn credit for a course of study. Defining the work required in terms of credit hours allows for comparable work requirements across programs, majors, and degrees. The value of a credit hour may be determined by time, the educational experience, and outside preparation by the student.

For purposes of this policy, an hour of instructional time = 50 minutes. Thus, three instructional hours = 150 minutes.

The following constitutes the definition of a credit hour for various modes of instruction offered at UMHB:

1. **Lecture/Seminar Classes:** A credit hour equates to a minimum of forty-five (45) hours of student work: a minimum of fifteen (15) hours in-class or direct instruction plus a minimum of thirty (30) hours of out-of-class work.
2. **Laboratory/Experiential Classes:** A credit hour equates to a minimum of thirty (30) to forty-five (45) hours of direct instruction in a laboratory/experiential setting, and a minimum of fifteen (15) to thirty (30) hours of out-of-class student work per credit hour to total a minimum of forty-five (45) hours of student work.
3. **Studio Art Classes:** A credit hour equates to a minimum of forty-five (45) hours of student work: a minimum of thirty (30) hours in-class or direct instruction plus a minimum of fifteen (15) hours of out-of-class work.
4. **Ensemble/Production Classes (Music and Theater):** A credit hour equates to a minimum of ninety (90) hours of student work: a minimum of forty-five (45) hours in-class or direct instruction plus approximately forty-five (45) hours of out-of-class time. Total term hours may happen in irregular scheduling. Ensemble or Production Classes beyond degree requirements are awarded zero (0) credit.
5. **Applied (Private) Music:** A credit hour equates to a minimum of forty-five (45) hours of student practice, plus approximately seven and a half (7.5) hours of direct individual instruction.
6. **Internships, clinical and field experiences** require a minimum of forty-five (45) clock hours for each credit hour.
7. For online, hybrid and other nontraditional modes of delivery, credit hours are assigned based on learning outcomes that are equivalent to those in a traditional

course setting; forty-five (45) hours of work by a typical student for each hour of credit.

Syllabi for every course will contain the appropriate definition of a credit hour from the list above. Each course should then follow this definition.

### Course Numbers

The first digit in the numbering system denotes the course level (1-Freshman, 2-Sophomore, 3-Junior, 4-Senior). The second digit denotes the number of semester credit hours the course carries. The third and fourth digits are departmental numbers. Junior- and senior-level courses are upper-level. (e.g. UMHB 1110 would be a freshman-level class of 1 semester credit hour).

### Student Course Load

To be considered a full-time undergraduate student, one must be enrolled in twelve semester credit hours for the fall/spring semesters and six for the summer session. Fifteen to eighteen semester credit hours is considered a normal undergraduate load for a regular semester. Six or seven semester credit hours is considered a normal undergraduate load for a summer session and three to four semester credit hours is considered a normal undergraduate load for mini-mester. Nineteen semester credit hours may be permitted during a regular semester, if the student has earned a minimum grade point average of 3.00 for the preceding semester. Any student desiring to carry a load in excess of this amount must have an overall GPA of 3.00 and at least a 3.30 GPA for the preceding semester before such a request may be considered. A maximum of 8 semester credit hours for one summer session or 14 semester credit hours for the full summer term may be permitted if the student has earned a minimum grade point average of 3.00 for the preceding semester or full summer term. Graduating seniors may be permitted to earn 15 semester credit hours during the full summer term. All overloads must be approved by the student's Dean.

### Class Standing

The class standing of an undergraduate degree-seeking student is determined as follows:

|       |                       |           |
|-------|-----------------------|-----------|
| 0-29  | semester hours earned | Freshman  |
| 30-59 | semester hours earned | Sophomore |
| 60-89 | semester hours earned | Junior    |
| 90+   | semester hours earned | Senior    |

## Grading System

| Grade | Range  | Grade Points | Interpretation of Grades |
|-------|--------|--------------|--------------------------|
| A     | 90-100 | 4            | Superior                 |
| B     | 80-89  | 3            | Above Average            |
| C     | 70-79  | 2            | Average                  |
| D     | 60-69  | 1            | Below Average            |
| F     | < 60   | 0            | Failing                  |
| I*    |        | 0            | Incomplete               |
| P*    |        | 0            | Pass                     |
| CR*   |        | 0            | Credit                   |
| NC*   |        | 0            | No Credit                |
| S*    |        | 0            | Satisfactory             |
| U*    |        | 0            | Unsatisfactory           |
| NG*   |        | 0            | No Grade Submitted       |
| AU*   |        | 0            | Audit                    |
| W*    |        | 0            | Withdrawal               |
| WP*   |        | 0            | Withdrawal—Passing       |
| WQ**  |        | 0            | Withdrawal—Failing       |

\* Not counted in computing GPA

\*\* Counted in computing GPA for the semester in which the course was taken AND for computing overall GPA.

The School of Nursing adheres to the University grading scale with one exception. The School of Nursing has additional grading policies based on critical components. If the student does not meet the required minimum grade of 75% average on the critical components, the student will not pass the course and will be assigned an F. If the student meets the requirement of 75% average on the critical components, then the course grade will be calculated according to the assignment grading weights, consistent with the University grading scale.

In addition, students should be aware that there is no rounding of grades on assignments or final grades. Students must meet the minimum of 75 percent in each of the critical component areas to be successful in the course. This means that a 74.99 is a failing grade and the student would not meet the criteria for successful

completion of the critical component. See the School of Nursing Handbook for more information.

## Incomplete Grade

An “I” (Incomplete) indicates **inability** of a student to complete some vital requirement of a course (e.g. final exam, major report, term paper, etc.) **due to conditions beyond the student’s control**. It is not the intent of the “I” grade to give a student an unfair time advantage over other students who complete their work in a timely manner. As such, an “I” grade will be approved only when exceptional circumstances, clearly beyond the student’s control, are substantiated (e.g. protracted illness, injury, or other acute personal emergency). It is the responsibility of the student to contact his/her professor prior to the final exam to execute the Incomplete Grade Contract.

Once an “I” grade is assigned, it is the responsibility of the student to take the initiative to complete the work within thirty (30) calendar days after the start of the next semester (excluding full summer term). If more than thirty days are required, an extension request is to be submitted by the student through the instructor and Associate Dean or department chairperson to the Dean. Approved extensions will be filed with the Registrar’s Office. An extension longer than the end of the next semester (excluding full summer term) will not be approved. **The “I” will be automatically changed to an “F” if the course is not satisfactorily completed within this time frame.** A \$25 fee is charged to remove an “I” grade.

## Grade Reports

All final grades are available on MyCampus at <https://mycampus.umhb.edu/ics/>.

## Transcript of University Credits

A transcript of university credits is an official copy of a student’s permanent record, bearing the University seal and the signature of the Registrar. Copies of students’ transcripts are available upon written request to the Registrar’s Office.

Requests should include the students’ name at time of attendance, social security number, or student identification number, and complete address of where the transcript is to be sent. Requests can be sent to:

Office of the Registrar  
UMHB Box 8425  
900 College Street  
Belton, TX 76513

Transcripts will not be released if the student owes money to the University. This includes, but is not limited to, money owed to the library, bookstore, health center,

business office, or any other department or agency considered a part of the University.

### *Disciplinary Notation on Transcript*

If a student is ineligible to reenroll at UMHB for a reason that is neither academic nor financial, the university is required by law to note that fact on the student's transcript.

If a student withdraws from the university with pending disciplinary charges that may result in the student becoming ineligible to reenroll for a reason that is neither academic nor financial, the university may not end the disciplinary process until it makes a final determination of responsibility and eligibility to reenroll.

Any transcript issued while such charges are pending may be reissued with the required notation by the university (1) once the disciplinary charge is concluded (and the student is found responsible), and (2) the student's appeal rights are either concluded or expired. For purposes of this policy, a disciplinary charge is pending as soon as an allegation of student misconduct has been made to the university official who is responsible for making an investigation or determination with respect to such misconduct.

The university may remove a notation described in this paragraph from a student's transcript if the student requests the removal and the university determines that good cause exists to remove the notation.

## Provost's Honor Roll

At the end of the fall and spring semesters, a scholastic honor roll is compiled by the Provost. This honor roll includes all students completing 12 or more undergraduate hours during the semester who have earned a 3.85 grade point average or above on those hours. Neither courses taken at another institution during a semester nor courses earned by examination such as Advanced Placement or CLEP count toward requirements for the Provost's Honor Roll.

## Dean's Honor Roll

At the end of the fall and spring semesters, a scholastic honor roll is compiled by the dean of each college. This honor roll includes all degree-seeking undergraduate students who had completed 12 or more undergraduate hours during the semester and earned a 3.50 grade point average or above on those hours. Neither courses taken at

another institution during a semester nor courses earned by examination such as Advanced Placement or CLEP count toward requirements for the Dean's Honor Roll.

## Academic Probation

For a student to remain in good standing with the University, he/she must maintain academic Satisfactory Academic Progress (SAP). (This should not be confused with Financial Aid SAP, discussed in a previous section of this catalog.) If the student is unable to maintain SAP, then the university will place the student on probation and/or suspension.

There are three categories of academic probation status recognized at the University of Mary Hardin-Baylor: *probation*, *continued probation*, and *probation by petition*. Each of these is explained in appropriate areas of the following sections.

**Academic probation:** An undergraduate student failing to meet the following minimum standards is automatically placed on *academic probation*:

|           |                             |                                    |
|-----------|-----------------------------|------------------------------------|
| Freshman  | 0-29 semester hours earned  | 1.8 GPA on cumulative graded hours |
| Sophomore | 30-59 semester hours earned | 2.0 GPA on cumulative graded hours |
| Junior    | 60-89 semester hours earned | 2.0 GPA on cumulative graded hours |
| Senior    | 90 + semester hours earned  | 2.0 GPA on cumulative graded hours |

A student who is admitted to the University on *academic probation* or who is placed on *academic probation* is expected to conform to the following regulations:

- (1) Reduce academic load to a maximum of 12 semester hours;
- (2) Adjust his/her work program (if applicable) to better fit the academic needs of the student;
- (3) Attend all classes; and
- (4) Adhere to individualized academic action plan if deemed necessary by the student's academic Dean.

To be removed from academic probation, a student must achieve the cumulative GPA level required for the student's classification.

**Continued probation:** If a student does not achieve the cumulative GPA level required to be removed from probation, he/she may be placed on *continued probation*

if the student earned a term GPA of 2.0 or better the semester on academic probation.

During the period of continued probation, the student may be required to adhere to an individualized academic action plan as deemed necessary by the student's academic Dean and will not be eligible to participate in any non-curricular activity or represent the University, except under the following conditions:

1. No participant in any class for which he/she is registered shall be prohibited from taking field trips or from taking part in productions which are a part of that class.
2. A student who is on continued probation status usually may participate in tours and other such activities only if his/her credit for the course is dependent on participation in said activities and provided he/she receives prior approval from the Provost/Senior Vice President for Academic Affairs.
3. A student who is on continued probation status may not represent the University in activities other than those stated in 1 and 2 above. This probation includes, but is not limited to, such activities as intercollegiate contests, off-campus productions, or active membership in a club or student organization. (Official representation is defined as participation in any activity under the name of the University of Mary Hardin-Baylor, under the direction, supervision, or sponsorship of any university area.)

If the student did not achieve a term GPA of at least 2.0 during the semester on probation, he/she is placed on *academic suspension*.

Note: Students should note that the standards for Satisfactory Academic Progress (SAP) for Financial Aid purposes are slightly different from the standards for academic purposes. See "Financial Aid" for the Satisfactory Academic Progress and how they apply to the financial aid award.

## Academic Suspension

A student who is placed on academic suspension will be suspended for a minimum of one "long" semester. For example: A student placed on academic suspension at the end of the fall semester will not be allowed to re-enroll until the start of the summer semester. A student placed on academic suspension at the end of the spring semester will not be authorized to register for classes until the start of the next spring semester (excluding full summer term). A student placed on academic suspension will meet with their Student Success Coordinator to make an academic plan for their semester of suspension. This plan may include taking courses at another institution for transfer back to UMHB upon readmission. A student who has been suspended must

apply to be readmitted (on probation) through the regular admission procedure at the completion of the suspension period. If readmission is granted, the student would be required to comply with the regulations listed in the Academic Probation section above. Falsifying transcripts will result in the permanent dismissal of a student from UMHB.

A student who appeals academic suspension and has the suspension waived by the student's academic Dean will be placed on probation by petition. The student will be required to adhere to an individualized academic action plan as determined by the student's academic Dean or Student Success Coordinator and will not be eligible to participate in any non-curricular activity or represent the University, except under the following conditions:

1. No participant in any class for which he/she is registered shall be prohibited from taking field trips or from taking part in productions which are a part of that class.
2. A student who is on probation by petition usually may participate in tours and other such activities only if his/her credit for the course is dependent on participation in said activities and provided he/she receives prior approval from the Provost/Senior Vice President for Academic Affairs.
3. A student who is on probation by petition ordinarily may not represent the University in activities other than those stated in 1 and 2 above. This probation includes, but is not limited to, such activities as intercollegiate contests, off-campus productions, or active membership in a club or student organization. (Official representation is defined as participation in any activity under the name of the University of Mary Hardin-Baylor, under the direction, supervision, or sponsorship of any university area.)

The university reserves the right to take into account the student's compliance with the university's student code of conduct when considering whether to grant a student continued probation or probation by petition status.

## Academic Appeal

### Grounds for Appeal

Students may appeal any academic decision that is arbitrary, capricious, or unfair. For an appeal to have merit, the student must show that the decision was clearly erroneous or that the university failed to follow its policies or rules.

The following do not form a valid basis for an academic appeal:

- Dissatisfaction with a grade or decision
- Poor academic performance as a result of the student's personal circumstances
- Interference caused by the student's employment
- Failure to make a timely application for a disability accommodation
- Failure to make a timely application for a withdrawal, including a withdrawal necessitated by illness or injury

At every level the appeal must be in writing and state: (1) the change requested, (2) all valid reasons for the change, (3) any evidence to support the change, and (4) the student's contact information. Appeals must be submitted utilizing the form available on the Registrar's page of the UMHB website.

### **Appeals Related to Academic Coursework**

An appeal must be submitted to the faculty member who made the decision no later than ten (10) calendar days after the decision. The faculty member shall notify the student of the appeal decision within seven (7) calendar days.

The student may appeal the faculty member's decision to the dean of that college\* (see section below for Mayborn College of Health Sciences appeal process). The appeal must be submitted by the student within seven (7) calendar days after receiving the faculty member's decision.

The dean (or the dean's designee) will provide the student a written decision on the appeal within seven (7) calendar days after receiving the appeal.

The student may appeal the dean's decision by submitting an appeal to the Provost's Office within seven (7) calendar days after receiving the dean's decision. The Provost or the Provost's designee will provide the student a written decision on the appeal within seven (7) calendar days after receiving the appeal. This decision shall be final.

### **\*Appeals in the Mayborn College of Health Sciences**

The path for appealing a decision related to academic coursework in the Mayborn College of Health Sciences shall be first to the faculty member, then to the school's Dean for undergraduate programs (or to the Program Director for graduate programs), and finally to the Executive Dean, who shall serve as the Provost's designee and whose decision shall be final. Otherwise, the procedures and timelines described in the previous section shall apply.

### **Timelines**

If the student has received no response within seven (7) calendar days after submitting an appeal to the dean or

provost's office, the student may inquire of the appeal recipient about the status of the appeal.

### **Other Provisions**

The Provost's Office may extend the time for the university to respond to an academic appeal at any level when the appeal requires more extensive review, a school break occurs during the appeal response time, or other extenuating circumstances apply.

If an academic decision affects both a student's grade in a course and dismissal from a Program because of the grade, the appeal shall take both issues into consideration as a singular appeal.

Faculty who are no longer employed by the University (e.g. retired, adjuncts) are not participants in the appeal process beyond their last day of employment. In such a case the student should begin the appeal at the next level. If the appeal is in progress, the exiting faculty member will pass the appeal to the next administrator in line for completion.

### **Other Types of Academic Appeals**

The procedure for appealing decisions regarding incidents of academic dishonesty is discussed in the Academic Integrity section of this Catalog.

The procedure for appealing decisions related to academic probation and academic suspension are provided to the student in writing when the student is notified of academic probation or academic suspension status.

For academic appeals not otherwise specified in this policy, the student should promptly consult the Provost's Office for specific information on whether an appeal process is available.

## REGISTRATION POLICY AND PROCEDURES

Registration is completed according to the procedures and time schedule published on the website at <http://registrar.umhb.edu>.

### Academic Advisement

Each student is assigned an academic advisor according to major. The academic advisor assists the student in making progress towards a degree. **Prior to registering each semester, all students must obtain approval of their proposed schedules as well as registration clearance in the student information system from their assigned academic advisor.**

### Dropping or Adding Courses (Schedule Change)

**All dropping, adding, and changing courses must be arranged by the student through the Registrar's Office in order to be considered official.** A student wishing to drop or add a course must complete the schedule change (if prior to the start of the semester) through the UMHB online registration system accessible via MyCampus or (if on or after the start of the semester) by contacting the Registrar's Office in person or via email. Schedule changes may not be conducted over the phone. Students receiving VA benefits must also provide information on schedule changes to the UMHB VA Office.

Courses may be dropped as follows. Students should refer to the website for the exact dates of each drop period as these dates will vary:

- **The Pre-Census\* Period:** If a course is dropped before or on the census date, no grade or record of the class will appear on the student's transcript.
- **The "W" Period:** If a course is dropped during the "W" Period, the class is recorded on the student's transcript with a grade of "W".
- **The "WP/WQ" Period:** If a course is dropped during the "WP/WQ" Period, the class is recorded on the student's transcript with a grade of "WP" or "WQ" as reported by the instructor.
- **No course may be dropped after the end of the "WP/WQ" Period.**

**Any student who stops attending a class but fails to officially drop the course through the Registrar's Office will be given a failing grade in the class.**

\*Census date is the specific day in the semester that is used for all official reporting or calculations. It is currently the eighth class day.

### Repeating a Course

A student may repeat a course for the purpose of raising a grade by re-taking that course at UMHB or at another accredited institution.

For a course re-taken at UMHB, the highest grade earned will be used to compute the cumulative grade point average. Nonetheless, the grades for all attempts will print on the transcript. The graded hours and quality points for each additional time the course was taken will count in the respective term grade point average but not towards graduation requirements.

Re-taking a course at another accredited institution that was initially taken at UMHB may satisfy degree requirements so long as a grade of "C" or higher is attained for the transfer course. The grade for the transfer course, however, is not posted to the student's academic record and is not included in term or cumulative grade point average calculations. Instead, the UMHB grade is flagged as a repeat and removed from the cumulative grade point average calculation. Nonetheless, the UMHB grades for all attempts will print on the transcript.

Students re-taking a course at another accredited institution that was initially taken at UMHB are strongly urged to submit a Pre-approval of Transfer Credits Form to the Registrar's Office to ensure the suitability of the course prior to enrolling at the other institution.

### Audit Registration

A student may register for most courses by audit, however, laboratory courses, workshops, activity PE (EXAC) courses, and music ensembles may be audited only by approval of the instructor. An audit course may not be changed to a credit course nor may a credit course be changed to an audit course after the last day of registration for that particular course.

### Withdrawal from the University

Students who withdraw from the University before the expiration of the semester or session for which they are enrolled must complete the official Withdrawal Form in the Registrar's Office and secure the approval of the Business Office. University housing students must also secure the approval of the Dean of Students before withdrawing from the University.

The federal government mandates that students who withdraw from all classes may only keep the financial aid they have earned up to the time of withdrawal. If a student withdraws or stops attending classes before 60% of a

semester is completed, a portion of Title IV funds must be returned in accordance with U.S. Department of Education regulations. In addition, if a student fails to earn a passing grade in at least one class during the semester, the student is deemed by the U.S. Department of Education to have unofficially withdrawn. Title IV funds that were disbursed in excess of the earned amount must be returned by the University. This situation could result in the student owing aid funds to UMHB, government or both.

To determine the amount of aid the student has earned up to the time of withdrawal, the Bursar's Office will do a Return of Title IV (R2T4) calculation. The Bursar's Office will notify and provide instructions to students who are required to return funds to the government. If the student disputes the withdrawal date used in this calculation, the student must provide evidence of participation in an academically related activity after 60% of the semester to avoid return of Title IV funds. The University's R2T4 Policy can be found at [https://go.umhb.edu/resources/bursar/release of Title IV funds](https://go.umhb.edu/resources/bursar/release%20of%20Title%20IV%20funds).

Students are encouraged to understand the financial impact of withdrawal prior to completing the withdrawal process. The Bursar's Office can assist the student in understanding this policy and the resulting financial impact.

In addition to federal aid returns, a student may be required to repay institutional aid funds to UMHB, based on tuition refund percentage, i.e. Students receiving 80% tuition refund will repay 80% of the institutional aid.)

Students should also be aware that as a recipient of financial assistance, they must comply with the Satisfactory Academic Progress (SAP) Policy. By withdrawing, a student, may not be eligible for financial assistance from UMHB in the future, due to not completing a specified number of credit hours for which aid was disbursed.

Students are encouraged to consider carefully both the program and financial implications of an official withdrawal or receipt of failing grades for discontinuing attendance without an official withdrawal. A student whose withdrawal is necessitated by illness or injury may qualify for a medical withdrawal. Additional information about medical withdrawals may be obtained by contacting the Dean of Students at [mburns@umhb.edu](mailto:mburns@umhb.edu). Medical withdrawals must be initiated by the student within three weeks of the last day a student attends class.

A student who withdraws is immediately eligible to apply for readmission except that:

- A student on academic suspension due to receipt of WQs for withdrawn courses cannot be readmitted until one Spring or Fall semester has passed; and
- A student may be disqualified for readmission for disciplinary reasons.

Students experiencing a disruption in enrollment lasting longer than one academic year must reorganize their respective degree plan to conform with the current catalog.

**Failing grades in all courses will be posted for any students who stop attending classes but do not officially withdraw.** Students are encouraged to consider carefully both the program and financial implications of an official withdrawal or receipt of failing grades for discontinuing attendance without an official withdrawal.

## Administrative Withdrawal

The university reserves the right to withdraw a student from classes and/or the university if the student's account is delinquent or if such action is deemed in the best interest of the student and/or the university. Students who are administratively withdrawn are subject to the refund and withdrawal policies of the University.

Recorded grades for students who are administratively withdrawn will be I, W, WP, WQ, NC or F. The grade will depend on the time of withdrawal and the student's grade at that time or the circumstances causing the withdrawal. Depending on the circumstances of the withdrawal, an application may be required for readmission.



## HONORS

The Honors Program at UMHB offers students a chance to cultivate their intellectual curiosity and social awareness. The program encourages students to investigate relevant moral and ethical systems and to enhance aesthetic awareness. Through an interdisciplinary approach, the Honors Program also attempts to give students an understanding of the relationships that unite all scholarly disciplines.

The Honors Program encourages students to begin a lifelong journey of understanding who they are and what it means to live a good life. Perhaps the greatest benefit to the honors student is the chance to become a part of a larger community in which academic curiosity is seen as normal and necessary.

### UNIVERSITY HONORS PROGRAM

Students who aspire to graduate with honors from the University of Mary Hardin-Baylor without participation in the University Honors Program must complete a minimum of 60 hours in residence at UMHB and maintain a cumulative grade point average of 3.6000 to 3.7499 for **cum laude** designation, a cumulative grade point average of 3.7500 to 3.8999 for **magna cum laude** designation, or a cumulative grade point average of 3.9000 or better for **summa cum laude** designation. Otherwise, students aspiring to graduate with honors from UMHB must participate in the University Honors Program as described here.

#### Purpose

The purpose of the University Honors Program is to stimulate intellectual curiosity and social awareness, to investigate relevant moral and ethical systems, and to enhance aesthetic awareness. Through an interdisciplinary approach, the University Honors Program also attempts to give students an understanding of the relationships which unite all scholarly disciplines.

#### Administration

A committee composed of faculty members called the Honors Committee administers the University Honors Program in coordination with the Honors Program Director and Assistant Director.

#### Admissions Requirements

A student may enter the University Honors Program at two different points of his or her UMHB academic career.

1. Students may apply for the lower division Honors Program if they have an ACT Composite Score of 25 or SAT Composite Score of 1200, and be in the top 15% of their graduating class. Priority consideration will be

given to those with an ACT Composite Score of 27 or SAT Composite Score of 1280 and in the top 10% of graduating class. Application deadline is April

1. Acceptance into the program allows the student to take any of the designated lower division honor courses for credit toward a degree and for honors credit toward University Honors at graduation.

2. A student may apply for the upper division University Honors Program any time after completing 60 semester hours (must include a minimum of 12 semester hours at UMHB) and maintaining a GPA of 3.50 or higher.
3. Students may also enter the University Honors Program at the invitation of the Honors Committee.

#### Admission Procedure

Students who are eligible to participate in the lower division University Honors Program are typically invited to apply during the general admissions process. Others may initiate the application if they meet the admissions requirements.

Students wishing to participate in the upper division University Honors Program will submit the following to the Honors Program Director for approval.

1. A written application for admission
2. A written recommendation by a faculty member
3. A conference with the Honors Committee (if required by the committee)

#### Scholarships

A limited number of Honors Program scholarships will be awarded on a competitive basis each academic year. The scholarships will be renewable for up to two years and will be awarded to assist students in completing the requirements of the upper-level honors program.

The following criteria will be followed in determining scholarship recipients:

- Membership in the Honors Program and a 3.5 G.P.A. or higher
- Completion of 60 hours or junior standing by the fall semester
- Preference will be given to applicants that have completed all of the requirements of the lower-level program
- G.P.A., personal statement, and program participation (both academic and non-academic) will be evaluated

- The faculty reference may be contacted to provide information about student's academic performance and other qualifications

If a scholarship is awarded and accepted, the student will agree to:

- register for and complete HNRS 3110, 3120, 4010, 4020, and any required contract courses, and complete and submit a senior honors project application during the junior year;
- complete and submit a senior honors project prospectus and present senior honors project research during the senior year; and
- participate in Honors Program events and activities.

## PROGRAM REQUIREMENTS

The University Honors Program is administered at two levels: lower division and upper division.

### I. Lower Division Requirements:

#### a. Students must take the following courses during their freshman and/or sophomore years:

|           |                            |   |
|-----------|----------------------------|---|
| UMHB      | Freshman Seminar           | 1 |
| 1101      |                            |   |
| CSBS 1311 | Engaging the Old Testament | 3 |
|           | or                         |   |
| CSBS 1312 | Engaging the New Testament | 3 |

All sections must be Honors.

#### b. Plus, two of the following must be taken during the freshman and/or sophomore years:

|           |  |   |
|-----------|--|---|
| HIST 1311 | History of World Civilizations to 1500 | 3 |
| PSYC 1301 | General Psychology                     | 3 |
| CSBS 1311 | Engaging the Old Testament             | 3 |
|           | or                                     |   |
| CSBS 1312 | Engaging the New Testament             | 3 |
| ENGL 2380 | Honors Literature                      | 3 |

#### c. One general education class contracted as an honors class must be taken during the first two years of student enrollment.

### II. Upper Division Requirements:

Students must:

#### a. Successfully complete both HNRS 3110, 3120, 4010 and 4020.

|           |                    |   |
|-----------|--------------------|---|
| HNRS 3110 | Honors Seminar     | 1 |
| HNRS 3120 | Honors Seminar     | 1 |
| HNRS 4010 | Honors Research I  | 0 |
| HNRS 4020 | Honors Research II | 0 |

#### b. Students who complete all the lower-level requirements must contract one course in their majors. Students who do not participate in the lower-level program must contract their courses in their majors.

#### c. Honors students who have maintained at least a 3.5 G.P.A. and who aspire to graduate magna cum laude or summa cum laude through participation in the Honors Program must undertake a senior research project in his or her major subject or teaching field.

The project is carried out under the direction of a faculty member conversant with the topic under investigation. When completed, the research project will be submitted to a committee composed of the members of the University Honors Committee and the supervising faculty member. In addition, the student will present the paper orally to the same committee and other faculty wishing to attend. The student will receive three hours credit in his or her major subject or teaching field for the research project, if he or she enrolls in an Independent Study course or a Research course.

## HONORS (HNRS) COURSES

### I. Lower Division Courses:

|           |  |   |
|-----------|--|---|
| UMHB      | Freshman Seminar                       | 1 |
| 1101      |  |   |
| CSBS 1311 | Engaging the Old Testament             | 3 |
| CSBS 1312 | Engaging the New Testament             | 3 |
| ENGL 2380 | Honors Literature                      | 3 |
| HIST 1311 | History of World Civilizations to 1500 | 3 |
| PSYC 1301 | General Psychology                     | 3 |

HNRS 2310-H and HNRS 2320-H: Students may take HNRS 2310 for Social Studies credit. Students may take HNRS 2320 for Humanities credit.

### II. Upper Division Courses

|           |                    |   |
|-----------|--------------------|---|
| HNRS 3110 | Honors Seminar     | 1 |
| HNRS 3120 | Honors Seminar     | 1 |
| HNRS 4010 | Honors Research I  | 0 |
| HNRS 4020 | Honors Research II | 0 |

HNRS 3110 Content of the senior seminar will vary to include (but not limited to) historical perspectives and contemporary social issues, great works of literature, philosophy, and theory of science. Students will be responsible for guiding the discussion in most meetings. Emphasis will be placed on analysis, interpretation, and application to living and thinking in the world today.

HNRS 3120: Seminar designed to expose students to some of the major challenges facing humanity as a whole and the student as an individual. One of the primary course objectives is the exploration of the tensions and possibility that exist for Christian faith and values in the society permeated with individualism, materialism, and despair. Deals with moral philosophy in the context of the

development of a Christian world view and its application to the students' vocation by considering specific social issues and moral problems from the vantage point of individual ethics and responsibility.

**HNRS 4010: Honors Research I** This course is designed to provide guidance to upper-level honors students undertaking the senior honors project. Requirements include attendance at relevant honors research sessions and submission of a successful senior honors project application. Upper-level honors students must enroll in this course during the second semester of their junior year.

**HNRS 4020: Honors Research II** This course is designed to provide guidance to upper-level honors students undertaking the senior honors project. Requirements include attendance at relevant honors research sessions and submission of a successful senior honors project prospectus. Upper-level honors students must enroll in this course during the first semester of their senior year.

student aspiring to graduate **magna cum laude** or **summa cum laude** will be determined by the University Honors Committee, based upon the evaluations of the student's performance in the honors seminar, the quality of the senior research project, the student's final grade point average, and an evaluation of the student by the faculty in his/her major.

**For more information, contact:**

Dr. David Holcomb, Director

## Honors Program Probation and Withdrawal

Transcripts of UMHB Honors students will be evaluated at the end of each academic year. Honors students must maintain a 3.5 cumulative G.P.A. to remain in good standing. Students that fall below a 3.5, but not below a 3.0, will be placed on probation. Probation status may be extended up to one year during which time a student may continue to participate in the Honors Program. Students on Honors Program probation must raise their G.P.A.'s to at least a 3.5 by the end of the probation period. Otherwise, they will be automatically withdrawn from the program.

Students whose G.P.A.'s fall below a 3.0 will be automatically withdrawn from the program.

## Reinstatement

Students that have been withdrawn from the Honors Program may submit a formal written petition for readmission to the program director. The petition, which must include an explanation and rationale for reinstatement, will be considered once the student achieves at least one semester of 3.5 or higher academic work.

## Recognition

Any student, who has successfully completed the requirements for three designated honors courses in his or her major subject (or the equivalent), HNRS 3110, 3120, 4010, 4020, and who has maintained a cumulative grade point average of 3.50 or higher will graduate from Mary Hardin-Baylor **cum laude**. Any student, who aspires to graduate **magna cum laude** or **summa cum laude** through the Honors Program and who has maintained a cumulative grade point average of at least 3.50, must complete a senior research project. The level of recognition awarded a

## STUDY ABROAD PROGRAMS

UMHB has made a strong commitment to create study abroad programs with opportunities that are feasible for all students. Opportunities to study abroad are offered by UMHB colleges and departments and also by academic partners such as the Consortium for Global Education and the Coalition of Christian Colleges and Universities.

UMHB's flagship study abroad opportunity is the spring semester London Studies Program. The majority of study abroad opportunities are faculty-led and range from a course-related trip of one week to a month-long summer program. Some of the countries on recent study abroad itineraries include Morocco, China, Israel, Italy, Taiwan, Thailand, Spain, Costa Rica, Panama, France, United Kingdom, and Ecuador. For more information about current UMHB Study Abroad opportunities, please visit our website <http://academics.umhb.edu/studyabroad> or email the Study Abroad office at [mreina@umhb.edu](mailto:mreina@umhb.edu).

The University is committed to providing some opportunity to study abroad to all students, including students with disabilities who are otherwise qualified to participate. The availability of accessible facilities and cultural attitudes about accommodating disabilities vary greatly from country to country. Some programs, by their very nature, require specific skills or the ability to perform certain physical tasks. Students should always carefully investigate the location and nature of a particular study abroad program to make sure that they are qualified to undertake that experience and that any necessary accommodations will be available. It is the student's responsibility to request an accommodation by contacting [disabilityservices@umhb.edu](mailto:disabilityservices@umhb.edu).

Study abroad experiences in certain countries can also present challenging new experiences. In some cultures, relationships between men and women are very different from what students are accustomed to at home, and students may experience attitudes which they consider sexist or demeaning. While most students report very positive experiences while studying abroad, learning about the culture and knowing what to expect in a particular country will help every student get the most out of his or her international experience.

For more information about UMHB Study Abroad opportunities, please visit our website <http://academics.umhb.edu/studyabroad> or call the Study Abroad office at (254) 295-4015.

## LONDON STUDIES

The *London Studies Program* provides an exciting opportunity for students to live and study in the heart of London, England. The program is operated in partnership with Hardin-Simmons University with both schools sending students and faculty for a three-month intensive study experience during the Spring semester. Local British faculty participate to give students the benefit of native knowledge of life and culture in England. Participants and faculty live in a residence hotel and/or apartments. Costs of the program include up to sixteen hours of tuition, room and board, London travel cards good for underground and city bus travel, field trips, theater and museum tickets, as well as a coach tour of northern England, Scotland, and Wales.

### LONDON STUDIES PROGRAM

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#### PROGRAM OFFERINGS

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##### Courses

|              |   |   |
|--------------|---|---|
| ARTS 1350    | Art Appreciation  | 3 |
| HIST 4391    | British Life and Culture                                  | 3 |
| THEA 4391    | London Theatre  | 3 |
| UMHB<br>1002 | Chapel  | 0 |
| UMHB<br>1005 | Fine Arts Experience                                      | 0 |
|              | Two courses offered by the<br>UMHB faculty representative |   |
|              | Two courses offered by the HSU<br>faculty representative  |   |

##### Selection Criteria:

Each university will select up to ten students to participate in the Program. The participants will be selected on the basis of the following criteria:

1. Classification: Must be a sophomore or higher in classification and have completed at least one semester of residence at UMHB.
2. A cumulative G.P.A. of 2.5 or higher.
3. Evaluations of two faculty members.
4. Other academic and college achievements.

##### For more information, contact:

Dr. David Holcomb, Coordinator

## CLASSROOM EXPECTATIONS AND ETHICS

### Christian Citizenship

UMHB accepts students of all faiths or persuasions, but attendance at the University should be understood by all as a statement of agreement to live in accordance with the regulations governing the campus community. The spirit of Christian behavior is demonstrated in conduct, speech, dress, attitudes, integrity, honesty in academic and personal activities, and respect for the property and rights of others as well as respect for the officials of the University. This applies both to on-campus and off-campus life.

### Children in the Classroom

One of the advantages employees and students have at UMHB is the family atmosphere created by the small size of the UMHB classes and the value placed on people in our learning community. The value placed on people also makes it necessary for the university to provide employees and students a comfortable, safe, and non-distracting work or study environment. Students and employees should not bring children into the classroom. Occasional needs or emergency situations should be discussed with students' instructors. This policy is designed to be people-sensitive both in emergencies and in the day-to-day function of the university.

### Student Responsibility

All students are responsible for knowledge of and adherence to regulations governing admissions, advising, registration, drop/add, withdrawal, and financial settlement. Students are also expected to be familiar with the specific academic and attendance requirements of the degree/certification that they plan to pursue.

### Class Attendance

The University of Mary Hardin-Baylor expects regular and punctual attendance in class. Punctuality is deemed as important as attendance since tardiness is disruptive and distracting to both faculty and fellow students and is undesirable for personal and professional activities. Students arriving late to class assume responsibility for checking with the instructor to make sure they were marked tardy instead of absent. Because attendance is expected, students are responsible for all course work and assignments. Students are required to abide by the attendance policy that pertains to each class, as indicated in the course syllabus.

#### Types of Absence

**University Excused Absence:** An absence due to participation in certain University-related activities may be designated as a University Excused Absence. If an absence is designated as a University Excused Absence, faculty will provide reasonable opportunity for students to make up work that is missed. If it is not feasible for the student to make up work, some allowance may be made in order that the student will not be overly penalized. The student must inform the instructor regarding a University Excused Absence in advance of that absence. This will allow a reasonable opportunity for the student to make up missed work. Depending on the policies of a course's academic college, department or program, University Excused Absences may count toward the total number of absences allowed in a course.

**Excused Absences:** Students who miss class due to illness, death of a family member, or other unavoidable circumstances may be granted an excused absence. Should an excused absence be granted, faculty will provide reasonable opportunity for student to make up work that is missed. If it is not feasible for the student to make up work, some allowance may be made in order that the student will not be overly penalized. The student must inform the instructor as soon as possible of such absences. It shall be up to the discretion of the faculty member to determine whether the circumstances that caused the absence warrant granting an excused absence. The instructor may request verifying documentation for non-medical care related absences (i.e. death in family). It is the student's responsibility to check with the instructor upon their return to class as to whether a particular absence will be considered excused.

**Unexcused Absences:** Absences for reasons other than University Excused Absences or Excused Absences are Unexcused Absences. Students who miss class due to an unexcused absence may only make up work at the discretion of the individual instructor, as stated in the course syllabus.

In those instances where absence policies limit the number of absences allowed in a class, faculty may count all absences—University Excused Absences, Excused Absences, and Unexcused Absences—toward the total. All absences are counted from the first class session of the term.

While some colleges or departments might have policies that are used by all faculty in the respective college or department, students are required to abide by the attendance policy that pertains to each class, as indicated in the course syllabus.

## Academic Decorum

The learning environment involves an exchange of ideas and an exploration of concepts between faculty and students and a certain level of decorum facilitates that learning environment. In order to create an effective learning environment, students pledge to:

1. Come to class prepared. This includes careful reading of assignments, being prepared to participate in discussions and completing any assignments that are due.
2. Be attentive and responsive in class
3. Respect fellow students' opinions and ideas
4. Contribute to the class by making topic-specific comments as appropriate
5. Offer critiques and alternative ideas in a non-condescending manner
6. Provide a fair share of work to group projects and team activities

Examples of disruptive behaviors to avoid include:

1. Talking, sleeping, or otherwise distracting members of the class
2. Using electronic devices in class without permission or in a manner that disrupts the class or other students
3. Exhibiting argumentative or attention-seeking behavior
4. Failing to show respect or act with civility

## Academic Integrity

As an institution committed to the Christian values of honesty and integrity, the University of Mary Hardin-Baylor expects all members of the learning community to commit themselves to high standards of academic integrity. Academic integrity is vital not only as we live out our Christian calling but also for our students' success in their future vocations. To that end, students are expected to take responsibility for all the work they produce at the University and to ensure that it meets the University's standards for academic integrity.

### **Section One: Standards of Academic Integrity**

1. Written work shall reflect the student's own ideas, and any use of others' words, ideas, or patterns of thought shall be appropriately quoted and/or cited.
- Plagiarism in any form is expressly prohibited.

- Failure to comply with the university's copyright policy is expressly prohibited: <http://libguides.umhb.edu/copyright>.
2. Students are responsible for understanding the instructor's rules governing any particular piece of academic work and abiding by those rules. Any questions about persons or materials not authorized to be used on any particular assignment shall be clarified before accessing those persons or materials.
  - Submitting academic work produced with unauthorized assistance or materials is expressly prohibited. This may include assistance from fellow students, other faculty members, textbooks, notes, online resources, or commercial sources such as professional paper writers that are available for hire, or any other material that has not been authorized by the instructor for use.
  - Papers (in whole or in part) or other work prepared for one course shall not be submitted to meet the requirements of another course without express permission from the instructor.
  3. Students assigned to collaborate in group projects are expected to contribute their fair share of the work necessary to complete the project or notify the instructor of their failure to contribute.
  4. Academic integrity requires that students be truthful in all their academic work.
  - Falsifying research data, lab reports, or other academic work product is expressly prohibited.
  - Students must refrain from disclosing the specific contents of any test, exam, or other required assignment to a student who will, or may, later be required to complete that same assignment.
  - Students must refrain from soliciting or otherwise acquiring specific information about the contents of any test, exam, or other assignment that will, or may, be administered in the future.
  5. As members of a learning community, we all have a responsibility to assure that all members have equal access to learning materials.
  - Keeping, taking, intentionally misplacing or damaging library books, online files, laboratory equipment, or other academic resources in order to obtain an academic advantage over another student is expressly prohibited.
  - 
  6. Students taking online courses shall be diligent to maintain the same standards of academic integrity for work performed off campus as for work performed in the classroom, the library, or other campus facilities. Online students shall maintain strict privacy of their login identity and passwords.

7. The University's standards of academic integrity go beyond the classroom to encompass all aspects of a student's academic life.

- Falsifying an academic record, a degree plan, a prerequisite waiver, or any other official document is expressly prohibited.
- Students must not mislead any official of the University in order to secure a required form or otherwise obtain an academic advantage.

8. The University is a learning community in which participants are responsible for one another.

- Assisting a student in any violation of the academic integrity standards is expressly prohibited. For example, providing or receiving unauthorized assistance, including (but not limited to) taking another student's exam, providing answers to another student during a test, or contributing to another student's written work without permission.

This is not an exhaustive list and the university reserves the right to interpret and reasonably apply academic standards to individual situations.

### **Section Two: Violations of Academic Integrity Standards**

1. Students who violate these standards shall be subject to appropriate sanctions as determined by the circumstances of the act of academic dishonesty.

- Category One violations are defined as incidents of alleged academic dishonesty that occur within a single course.
- Category Two violations are defined as incidents of alleged academic dishonesty that occur in multiple courses and/or multiple incidents within a single course during the student's enrollment at UMHB.

2. In furtherance of the mutual responsibility students share for academic integrity, students are expected to respond fully and candidly to any request from a University official for assistance in any investigation of violations of the University's standards. Failure to respond candidly and fully to such a request is a violation of the university's standards of conduct.

3. The university will normally use a progressive system of sanctions for students who violate this policy, but reserves the right to consider the totality of a situation (including mitigating or aggravating factors, previous incidents, current academic performance, etc.) and may impose one or more sanctions for any instance of misconduct. The university may use the following sanctions or another sanction that the university deems appropriate under the circumstances.

- Category One: Faculty members may impose a verbal warning, a lower or failing grade, additional or repeated assignments and/or suspension from participating in an academic group or event associated with that course (i.e. speech team, music ensemble, travel to a conference, etc.)
- Category Two: In addition to one or more of the sanctions above, the persons appointed by the Provost \* to conduct the review may impose such sanctions as (1) suspending the student from the university for one long semester, (2) removing the student from a course, and/or (3) removing the student from a major, or alternatively (4) recommending to the Provost that the student be expelled from the university. For sanctions of removal from a course, suspension or expulsion, the university's grading, tuition, housing and other refund policies will apply.

\*Although the Associate Provost for Institutional Effectiveness is typically tasked with review of student appeals, the Provost may designate this review to another administrator.

4. If the incident of academic dishonesty involves other possible student conduct violations, the faculty member or other reviewing authority shall immediately report the incident to the Dean of Students, who will review the matter as outlined in the university's Student Handbook.

5. Review Process for Allegations of Academic Dishonesty:

- Category One: An incident of alleged academic dishonesty that occurs within a single course:

1) If a faculty member has reason to suspect academic dishonesty may have occurred within a course he/she is teaching, the faculty member will request a meeting with the student to discuss the issue. This meeting should occur within two (2) business days from the date that the faculty member became aware of the possible student misconduct. Students are required to meet with the faculty member upon request and to cooperate in the process.

2) In the course of this meeting, the faculty member and the student may agree on whether academic dishonesty occurred and any appropriate academic penalty. The student may withdraw such an agreement by notice to the faculty member within three (3) days business days after the agreement was made.

3) If the student fails to meet with the faculty member, or in the absence of an agreement between the faculty member and the student suspected of academic dishonesty, the faculty member may interview other persons who may have pertinent information about the allegations, including any person identified by the student who may provide information on the student's behalf. The



faculty member may also request information or counsel from other persons whom the faculty member may consider appropriate and conduct additional interviews with the accused student.

4) The preceding steps may occur in an order different from that listed above. In particular, faculty members may decide to interview other persons before meeting with the student, if the faculty member deems it appropriate.

5) Sanctions and Reporting to the Provost's Office

- The faculty member will make a decision regarding the allegations against the student and any sanction imposed within a reasonable time, normally within two weeks after the initial meeting, although the school schedule may require a longer period of time. If sanctions are imposed, the faculty member will notify the student of the decision in writing (See Appendix A).
- The faculty member will also inform the student in writing that he/she will report the violation to the Provost's Office, and if there are other instances of academic dishonesty on record, the student will be contacted by the Provost's Office and may be subject to additional sanctions.
- The faculty member will contact the Provost's office via the Academic Dishonesty Incident Report portal (found on the Faculty Tab of MyCampus) so that the Provost's Office can determine whether the student has had previous incidents of academic dishonesty.

6) Under normal circumstances, sanctions imposed by the faculty member are not effective until the time for appeal has expired or a student has exhausted the appeal process. However, the Associate Dean or Dean (as applicable to the College) may direct that any sanction imposed will take effect immediately if it is determined that immediate sanctions are reasonably necessary, given the circumstances of the incident.

7) The student has the right to appeal the faculty member's decision by delivering a letter of appeal to the Associate Dean or Dean (as applicable to the School or College) within seven (7) calendar days after notification of the decision by the faculty member. The letter of appeal shall state the portions of the faculty member's decision which the student wishes to appeal, the reasons why the student disagrees with the faculty member's decision, and the relief requested by the student.

8) The Associate Dean or Dean (as applicable to the School or College) shall review the faculty member's decision in light of the letter of appeal. The Associate Dean or Dean (as applicable to the School or College) may interview anyone who may have pertinent information about the issue and request information or counsel from other persons.

9) The Associate Dean or Dean (as applicable to the School or College) will provide a written decision on the appeal to the student and the faculty member within a reasonable time, normally within ten (10) days after receiving the appeal, although the school schedule may require a longer period of time. The Associate Dean or Dean (as applicable to the School or College) may affirm the decision of the faculty member, make a different determination of the facts, or change any academic penalties imposed on the student. The decision of the Associate Dean or Dean (as applicable to the School or College) is final.

- Category Two: For incidents of alleged academic dishonesty that occur in multiple courses and/or for multiple incidents within a single course during the student's enrollment at UMHB:

1) After the Associate Provost for Institutional Effectiveness is notified of an act of dishonesty and has verified that it is not the first incident, and after the appeal process regarding the faculty's sanctions for the latest incident is completed or expired, s/he will begin a review of the incidents.

2) The Associate Provost for Institutional Effectiveness will arrange a meeting with the student to discuss the issue.

- Students are required to attend this meeting and to cooperate in the process.
- It is important to note that at this point in the process, a student has been found responsible for academic dishonesty on at least two occasions, and the Associate Provost for Institutional Effectiveness role is to determine whether additional sanctions should be imposed after a review of the circumstances and sanctions already imposed.
- The Associate Provost may interview other persons who may have pertinent information about the incidents, including any person identified by the student who may provide information on the student's behalf.

3) The Associate Provost for Institutional Effectiveness will make a decision regarding any additional sanction imposed (up to and including suspension) within a reasonable time, normally within two weeks after the initial meeting\*, although the school schedule may require a longer period of time. If sanctions (up to and including suspension) are imposed, the Associate Provost for Institutional Effectiveness will notify the student of the decision in writing. See section below for sanctions regarding expulsion.

\*If the student fails to meet with the Associate Provost for Institutional Effectiveness for two consecutive scheduled appointments, the Associate Provost will continue the review with the available information.

4) The Associate Provost for Institutional Effectiveness shall report the decision to the Provost, typically within five (5) business days of the decision. Upon receipt, the Provost will update the student's record and notify any other university offices necessary to process a sanction, if one is given.

5) The student has the right to appeal the Associate Provost for Institutional Effectiveness decision by delivering a letter of appeal to the Provost within seven (7) calendar days after the decision by the Associate Provost. The letter of appeal shall state the portions of the Associate Provost's decision which the student wishes to appeal, the reasons why the student disagrees with the decision, and the relief requested by the student.

6) The Provost shall review the Associate Provost for Institutional Effectiveness's decision in light of the letter of appeal. The Provost may interview anyone who may have pertinent information about the issue and request information or counsel from other persons.

7) The Provost will provide a written decision on the appeal to the student and the Associate Provost for Institutional Effectiveness within a reasonable time, normally within ten days after receiving the appeal, although the school schedule may require a longer period of time. The Provost may affirm the decision of the Associate Provost for Institutional Effectiveness, make a different determination of the facts, or change any academic penalties imposed on the student. The decision of the Provost is final.

Expulsion: In the event that the Associate Provost for Institutional Effectiveness recommends a student be expelled from the university, the following steps will apply:

1) The Provost will review the matter, request information or counsel from other persons as he may consider appropriate, including at a minimum the Dean of Students, and may elect to conduct additional interviews with the student or others. The Provost may affirm the Associate Provost for Institutional Effectiveness's recommendation, impose one or more different sanctions, or refer the matter back to the Associate Provost for Institutional Effectiveness for consideration of different sanctions. If the student is expelled, the Provost will notify the student in writing and will also notify any university office necessary to process expulsion.

2) If the student is expelled, the student may appeal the expulsion to the President. The procedure for an appeal to the President shall be the same as set out in steps 8, 9 and 10 above for an appeal to the Provost. The President's decision shall be final.

Under normal circumstances, sanctions imposed are not effective until the time for appeal has expired or a student has exhausted the appeal process. However, sanctions

imposed will take effect immediately if reasonably necessary, given the circumstances of the incident.

The application of the University's Academic Dishonesty policy is strictly a matter between the student and the University. A faculty member or administrator has no obligation to permit a student to be accompanied by a parent or other advisor during any part of the process

## MILITARY BENEFITS

### Veterans and Family Members

The University of Mary Hardin-Baylor is fully approved to offer instruction to students attending college under the provisions of the United States Code, Title 38, and Chapter 30, 31, 32, 33, 35, 1606, and 1607.

The University contacts for individuals planning to use Veterans Administration (VA) benefits are the Veterans' Certifying Officials in the Registrar's Office.

Veterans who have successfully completed basic training will be granted a PE Activity waiver (unless specific EXSS courses are required) after providing satisfactory documentation to the Registrar's Office.

An individual planning to attend UMHB using VA benefits must comply with the following procedures:

1. **Complete all requirements for admission** to the University as a degree-seeking student or as a transient student with an approved formal degree plan from another university.
2. Have an evaluation of service schools/experiences completed by the Registrar's Office to determine any awarding of military credit.
3. In coordination with an assigned academic advisor, register for only courses that are required for completion of your selected degree.
4. Maintain satisfactory academic progress. The provisions found under the headings of "Scholastic Probation" and "Academic Suspension" in this catalog will apply.

In compliance with the Veterans Benefits and Transition Act of 2018, section 3679(e) of Title 38, United States Code, the University of Mary Hardin-Baylor

- will permit any **covered individual** to attend or participate in the course of education during the period beginning on the date on which the individual provides to the University a certificate of eligibility for entitlement to educational assistance under Chapter 31 or Chapter 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website - eBenefits, or a VAF 28-1905 form for Chapter 31 authorization purposes) and ending on the earlier of the following dates:
  1. The date on which payment from VA is made to the University.

2. 90 days after the date the University certified tuition and fees following the receipt of the certificate of eligibility.
- will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a **covered individual** borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the University due to the delayed disbursement funding from VA under Chapter 31 or 33.

As allowed under the Veterans Benefits and Transition Act of 2018, section 3679(e) of Title 38, United States Code, the **covered individual** will be required to:

1. Submit a certificate of eligibility for entitlement to educational assistance no later than the first day of a course of education.
2. Submit a written request to use such entitlement.
3. Provide additional information necessary to the proper certification of enrollment by the University (for example, official transcripts from all previously attended institutions).
4. Pay any amount that is the difference between the amount of the student's financial obligation and the amount of the VA education benefit disbursement.

**Note: A Covered Individual is any individual who is entitled to educational assistance under Chapter 31, Vocational Rehabilitation and Employment, or Chapter 33, Post-9/11 GI Bill® benefits.**

### Tuition Assistance

The University of Mary Hardin-Baylor is approved through the Memorandum of Understanding (MOU) enforced by the Department of Defense (DOD) to facilitate Tuition Assistance (TA) benefits for Service members.

To receive Tuition Assistance benefits:

1. **Complete all requirements for admission** to the University as a degree-seeking student or as a transient student with an approved formal degree plan from another university.
2. Have an evaluation of service schools/experiences completed by the Registrar's Office to determine any awarding of military credit.
3. Register for classes through the University in coordination with assigned academic advisor. Provide Certification Coordinator with a copy of UMHB class schedule.

4. Register for courses through select tuition assistance portal to secure available Tuition Assistance benefit.
5. Maintain Satisfactory Academic Progress (SAP). The provisions found under the headings of “Scholastic Probation” and “Academic Suspension” in this catalog will apply.

*Note: Active Duty Service members should seek information about UMHB’s Military Scholarship from the Financial Aid Office.*

## Yellow Ribbon Program

The Yellow Ribbon Program is a provision of the Post 9/11 Veterans Educational Assistance Act of 2008.

To be eligible for the Yellow Ribbon Program:

1. **Complete all requirements for admission** to the University as a degree-seeking student or as a transient student with an approved formal degree plan from another university.
2. Eligibility for Chapter 33 Post 9/11 veteran benefits at the 100% rate (as determined by the Department of Veterans Affairs). Chapter 33 Post 9/11 100% rate eligibility must be verified by the DD-214 Member-4 and Certificate of Eligibility (provided by the Department of Veteran Affairs).

**Note: According to VA, Active Duty Service members and their spouses are not eligible to participate in the Yellow Ribbon Program.**

This program allows UMHB to voluntarily enter into an agreement with VA to fund tuition expenses that exceed the annual cap for private institutions. The institution can contribute up to 50% of those expenses and VA will match the same amount as the institution.

Because of our Yellow Ribbon matching grant, merit and institutional based scholarships will no longer be awarded and previously awarded merit and institutional based scholarships will be cancelled. However, as noted above, tuition and mandatory fees will be covered through a combination of the Post 9/11 G.I. Bill®, Yellow Ribbon, and UMHB.

Conditions are as follows:

1. The Yellow Ribbon Grant is applied as a credit to the student’s account, and no cash and/or check payments will be awarded to the student.
2. The Yellow Ribbon Grant is used exclusively towards prior or current program charges.
3. The Yellow Ribbon Grant is awarded for each period in the program that the student is determined eligible and where the grant is needed.

## PROGRAMS OF STUDY

## DEGREES

The University of Mary Hardin-Baylor offers the following undergraduate degrees and majors:

### **Bachelor of Arts**

Art (p. 197)  
 Business Administration (p. 101)  
 Christian Studies (p. 123)  
 Criminal Justice (p. 192)  
 English (p. 156)  
 Film Studies (p. 153)  
 History (p. 182)  
 Mass Communication (p. 153)  
 Mathematics (p. 180)  
 Multimedia & Information Technology (p. 113)  
 Music (p. 200)  
 Music with Business Emphasis (p. 204)  
 Political Science (p. 184)  
 Psychology (p. 186)  
 Sociology (p. 190)  
 Southwest Borderlands Studies (p. 159)  
 Social Studies BA with Teacher Certification 7-12 (p. 185)  
 Spanish (p. 160)  
 Speech Communication (p. 154)

### **Bachelor of Business Administration**

Accounting (p. 103)  
 Business Computer Information Systems (p. 109)  
 Economics (p. 105)  
 Entrepreneurship and Small Business (p. 114)  
 Finance (p. 107)  
 International Business (p. 120)  
 Management (p. 116)  
 Marketing (p. 118)  
 Multimedia and Information Technology (p. 112)  
 Supply Chain Management (p. 111)

### **Bachelor of Christian Ministry (p. 125)**

### **Bachelor of Fine Arts**

Art Education (p. 197)  
 Graphic Design (p. 198)  
 Studio Art (p. 199)

### **Bachelor of General Studies (p. 89)**

### **Bachelor of Music**

Church Music  
 Music Education (p. 200)  
 Performance (p. 200)

### **Bachelor of Science**

Biology (p. 162)  
 Business Administration (p. 101)  
 Chemistry (p. 169)  
 Computer Science (p. 175)

Criminal Justice (p. 192)  
 Engineering (p. 178)  
 Exercise Physiology (p. 135)  
 Health Sciences, B.S. (p. 138)  
 History (p. 182)  
 Mathematics (p. 181)  
 Multimedia & Information Technology (p. 113)  
 Physical Education (p. 140)  
 Political Science (p. 184)  
 Psychology (p. 187)  
 Social Studies BS with Teacher Certification 7-12 (p. 186)  
 Sociology (p. 191)

### **Bachelor of Science in Education (p. 133)**

### **Bachelor of Science in Nursing (p. 144)**

### **Bachelor of Social Work (p. 188)**

### **Bachelor of Sport Management (p. 144)**

### **Bachelor of Transformational Development (p. 126)**

### **Minors**

The University of Mary Hardin-Baylor offers the following minors:

Applied Humanities (p. 152)  
 Art (p. 200)  
 Art History Minor (p. 200)  
 Biblical Languages (p. 127)  
 Biblical Studies (p. 127)  
 Biology (p. 164)  
 Business Administration (p. 101) (*not offered for any College of Business majors*)  
 Business Computer Information Systems (p. 111)  
 Christian Studies (p. 127)  
 Church Music (p. 200)  
 Classical Humanities (p. 152)  
 Communication (p. 154) (*not available to BA Mass Communication majors*)  
 Computer Science (p. 176)  
 Criminal Justice (p. 193)  
 Economics (p. 107)  
 English (p. 157)  
 Entrepreneurship and Small Business (p. 115)  
 Exercise Science (p. 138)  
 Film Production Minor (p. 154)  
 Finance Minor (p. 108)  
 Graphic Design Minor (p. 200)  
 History (p. 183)  
 Intercultural Studies Minor (p. 127)  
 International Business (p. 121)  
 Management (p. 118)

Marketing (p. 120)  
Mass Communication (p. 155)  
Mathematics (p. 181)  
Military Science  
(p. 195)  
Multimedia and Information Technology (p. 114)  
Music (p. 200)  
Pedagogy and Professional Practices (p. 134)  
Philosophy (p. 127)  
Political Science (p. 184)  
Psychology (p. 188)  
Social Enterprises (p. 102)  
Supply Chain Management  
(p. 112)  
Social Work (p. 190)  
Sociology (p. 191)  
Spanish (p. 160)  
Sport Management (p. 144)  
Southwest Borderlands Studies (p. 160)  
Theatre (p. 196)  
Writing (p. 151)

## DEGREE REQUIREMENTS

Requirements for individual undergraduate degrees are listed on the website for the respective degree title. Specific course requirements for majors, minors, or teacher education and specialization fields are listed in their corresponding department webpages. Schematic degree plans are available on the Registrar website or upon request from the Registrar's Office or the department of the major.

The University will not normally change degree requirements as detailed in this catalog after a student begins a degree program. **However, the University reserves the right to make reasonable changes to degree requirements for sound academic reasons, which may include changes to licensing or certification requirements by governmental or professional organizations.**

The University reserves the right to withhold a degree from a student whose conduct violates the moral and ethical standards which the University promotes as part of its educational mission. Preserving the academic integrity of the University is essential to protecting the value of a University degree and the reputation of the University's graduates. The University reserves the right at any time to revoke a degree which was improperly awarded due to fraud, deceit, or error, and to rescind a degree in the case of a graduate's egregious misconduct. The University will not revoke any degree without following a fair process, including an opportunity for the graduate to respond to the evidence and to protect his or her interests.

### General Requirements for All Undergraduate Degrees

To receive any undergraduate degree from the University of Mary Hardin-Baylor, a student must:

1. Earn a minimum of 120 semester hours (total varies with specific degree requirements) of credit which meet the requirements of one of the degrees listed in the Degrees section. The grade point average on courses taken at UMHB must be at least 2.00.
  - a. No more than one-half of the credit requirements for a degree may be fulfilled with credits from off-campus programs, conferences, institutes, short courses, workshops, special evening classes, special summer courses, foreign travel and study, or television and radio classes. More specifically, no more than one-fourth of the credits for a degree may be earned by correspondence; no more than one-third of the credits for a degree may be earned by off-campus programs; and no more than one-fourth of the credits for a degree may be earned by conferences, institutes, short courses, workshops, special evening classes, or special summer courses. (Students in teacher education programs should check with the College of Education for additional limitations.)
  - b. Furthermore, no more than one-fourth of the total number of hours required for a degree may be earned by special examination. (This rule does not apply to Nursing Advanced Placement examinations.)
  - c. Credit by examination received from another school may be accepted in transfer if the student can provide evidence that the testing standards upon which the credit was based are comparable to UMHB's standards. Such evidence might include an official transcript, a catalog, or an official copy of the test scores from the awarding school.
2. Complete at least thirty-six (36) semester hours in upper-level courses, unless pursuing the Bachelor of Arts with a major in Music or in Music with an emphasis in Music Business. Students pursuing the Bachelor of Arts with a major in Music or in Music with an emphasis in Music Business must complete at least thirty (30) semester hours in upper-level courses.
3. Fulfill the following residency requirements.
  - a. Complete one-fourth of the total number of hours required for a degree in residency. For degrees requiring a total of one hundred twenty (120) semester hours, thirty (30) hours must be in residency. For degrees requiring a total of one hundred thirty (130) or one hundred thirty-one (131) semester hours, thirty-three (33) hours must be in residency. For degrees requiring a total of one hundred thirty-six (136) semester hours, thirty-four (34) hours must be in residency. For degrees requiring one hundred thirty-seven (137) hours, thirty-five (35) hours must be in residency.
    - i. At least twelve (12) of the required residency hours must be in the major field with six upper-level hours (see Academic Standards section for a review of upper and lower level hours). The major requirement does not apply to the Bachelor of General Studies degree.
    - ii. At least six (6) of the required residency hours must be upper level in the minor field (if applicable).
    - iii. Interdisciplinary Academic majors must complete at least six (6) of the required residency hours at the upper level in their elementary specialization area.



- b. Complete one of the following:
  - i. Eighteen (18) of the degree's final thirty-one (31) hours in residency; or
  - ii. Twenty-four (24) of the total required residency hours at the upper level.
- 4. Follow a specific degree plan.
  - a. A student's degree plan is initially maintained in draft form by the student's major advisor. When the student is two semesters from graduating, the degree plan will be "formalized" by the Registrar's Office. A "formalized" degree plan should be on file in the Registrar's Office prior to Fall Registration for May graduates and prior to Spring Registration for August and December graduates.
  - b. Substitutions and/or waivers affecting the degree plan must be approved by the Department Chairperson, Associate Dean and/or the Dean at the time the degree plan is "formalized." Completed substitution and/or waiver form(s) must be on file in the Registrar's Office.
  - c. Once the degree plan has been "formalized" by the Registrar's Office, a Graduation Audit will be sent to the student (copy to the student's major advisor) listing those items the student needs to complete to graduate. If the student desires to make an appointment with the Registrar's Office to discuss the degree plan, the student is welcome to do so. A student experiencing a disruption in enrollment lasting longer than one academic year must reorganize his/her degree plan under the current catalog. The student cannot make formal application for degree, however, without Registrar's Office approval.
  - d. While following a degree plan should be a joint effort between a student and the student's advisor(s), **meeting the requirements for a particular degree is ultimately the responsibility of the student.** Adherence to the above schedule should be followed.
- 5. File an application for degree and pay the graduation fee by January 30 for Spring graduates, by May 30 for Summer graduates, and by September 30 for Fall graduates.
  - a. Degree conferral is not automatic.
  - b. All degree candidates, irrespective of participation in a commencement ceremony, must file an application for degree and pay the graduation fee by the applicable deadline. Students filing for graduation after their respective deadline will be charged a late fee and are NOT guaranteed inclusion in the printed commencement program.

- c. Applications for past graduation dates will not be accepted, even though all degree requirements may have been completed during previous semesters.
- d. Students failing to graduate in their respective anticipated graduation year and term may roll their application for degree and graduation fee forward for the duration of one academic year. Students still failing to graduate after the expiration of one academic year must reorganize their respective degree plan to conform with the current catalog and must submit another application for degree and pay another graduation fee by the deadlines mentioned above.

## Off-Site Components

Certain programs at the University require the student's successful completion of an off-site component, such as a clinical rotation, practicum, or student teaching. These off-site components are typically operated by separate institutions or organizations which are not controlled by the University and which may establish their own rules and conditions for participation. A student may be unable to complete a program of study and obtain a degree if he or she is unable to complete an off-site component after being excluded from participation by the University's off-site providers. Students who have reason to believe that they may be barred from participation by any of the off-site providers in their program of study are encouraged to determine early in the enrollment process what, if any, alternatives may be available.

## Awarding of Transfer Credit

The University of Mary Hardin-Baylor accepts in transfer college-level course work with a grade of "C" or higher from United States colleges or universities accredited by Council for Higher Education Accreditation (CHEA) recognized institutional accrediting organizations. Transfer credit may be applied to degree requirements, including core curriculum, major/minor curriculum, and general electives, as deemed appropriate by course age, level, and content. Transfer course equivalencies are determined through the collaborative efforts of the Registrar's Office, the academic departments, the deans, and the Provost's Office on the basis of the comparability of the nature, content, and level of the learning experiences to those offered by UMHB and the appropriateness and applicability of the learning experiences to the programs offered by UMHB. Documentation detailing content studied such as course syllabi may be requested for transfer course equivalency determination.

All transcripts, certificates, and diplomas from institutions outside the United States must be sent to an approved foreign credential evaluation service for a course-by-course

evaluation in order for the possibility of transfer credit to be determined.

Only official transcripts will be evaluated for potential transfer credit.

- New students must submit an official transcript from ALL previously attended colleges and universities. Even though courses taken at one institution may be noted on another institution's transcript, an official transcript from each institution at which courses were taken is required. Transcripts should be sent directly from prior institutions to the UMHB Admissions Office.

University of Mary Hardin-Baylor  
Admissions Office  
UMHB Box 8004  
900 College Street  
Belton TX 76513

- Readmitted students who attended any other institutions during their absence from UMHB must submit official transcripts reflecting such attendance. Transcripts should be sent directly from the institutions to the UMHB Admissions Office.

University of Mary Hardin-Baylor  
Admissions Office  
UMHB Box 8004  
900 College Street  
Belton TX 76513

- Current students who concurrently enroll in other institutions must submit official transcripts reflecting their concurrent enrollment. Transcripts should be sent directly from the institution to the UMHB Registrar's Office.

University of Mary Hardin-Baylor  
Registrar's Office  
UMHB Box 8425  
900 College Street  
Belton TX 76513

Transcripts from other institutions which have been presented for admission or evaluation become part of the student's academic file and are not returned or copied for distribution.

A maximum of 66 semester hours of community/junior college work may be accepted in transfer unless otherwise stipulated in program specific articulation agreements. Community/junior college hours will only transfer as lower division (freshman-sophomore) credit, even if UMHB offers comparable courses at the upper division level. While lower division courses may be approved to satisfy specific upper division course requirements, the credit will not apply towards upper division credit totals. Developmental/pre-college level, technical/occupational (including professional certificate programs), and continuing education courses are not accepted in transfer. Credit is not awarded for experiential learning. No limit is

placed on the number of transferable credits from four-year colleges or universities. However, students must meet all the credit, grade, and residence requirements as stated in the Degree Requirements section of their respective UMHB catalog.

A minimum grade of "C" is required in order for a course to be applied to a UMHB degree plan.

The current criteria for evaluating CLEP (credit by examination) and AP (advanced placement) can be found on the Counseling, Testing and Health Services website at <http://cths.umhb.edu/credit-examination-chart>.

Credit from quarter system schools will be converted to semester hours.

| Quarter | Semester |
|---------|----------|
| 5       | 3.33     |
| 4       | 2.67     |
| 3       | 2.0      |
| 2       | 1.33     |
| 1       | 0.67     |

Military training will be evaluated using the American Council on Education (ACE) guidelines upon submission of military transcripts.

Transfer courses along with their respective credit hours are posted to students' academic records and are available for degree planning purposes by the end of the semester in which the transcripts are received. However, grades for transferred course work are not posted to students' academic records and are not included in term or cumulative GPA calculations unless otherwise stipulated in program specific articulation agreements.

Students at the University of Mary Hardin-Baylor who wish to enroll in course work at another institution and apply those hours toward their UMHB degree must complete the Pre-Approval of Transfer Credits form and submit it to the Registrar's Office. The purpose of this permission is to ensure appropriate content, upper-level classification of the course if applicable, and overall suitability for the student's degree plan. Courses approved by an academic department as substitutions for major/minor requirements are not automatically granted approval by other departments using the same major/minor requirements. UMHB is not responsible for courses taken without proper approval. See <http://registrar.umhb.edu/transfer-equivalency-information> for transfer equivalency information. See <http://registrar.umhb.edu/texas-common-course-numbering-system> for information about the Texas Common Course Numbering System.

Students at the University of Mary Hardin-Baylor who wish to enroll in course work in a foreign country and apply those hours toward their UMHB degree must secure written permission from their advisor, chairperson, and dean. Documentation should be provided through a foreign transcript evaluation service.

Transfer credit inquiries may be directed to registrar@umhb.edu or 254-295-4510.

## Double Major

Students with the following degrees, Bachelor of Business Administration, Bachelor of Christian Ministry, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science in Nursing, or Bachelor of Social Work, who wish to graduate with a double major must also fulfill the requirements of a Bachelor of Science or a Bachelor of Arts degree. This will require a minimum of 31 additional semester hours in residence. See Second Degree (p. 83) for more information.

## Multiple Course Requirements

Except where it is explicitly disallowed by the core requirements, courses taken in the major or the minor may be used to meet a core requirement as well. However, **a course cannot be double-counted toward fulfillment of the requirements for a major field and for a minor field or for a second major field.**

## Second Degree

Once a degree has been conferred by the University, the academic record pertaining to that degree is frozen. No additional coursework may be taken to apply toward that degree. Additional majors/minors/concentrations cannot be added retroactively to a conferred degree. GPA's associated with a conferred degree cannot be changed retroactively.

Additional coursework may be taken in a non-degree-seeking status or to apply toward a second degree. Students seeking a second degree from the University must fulfill all requirements for the second degree, including the core curriculum, as well as complete additional semester hours in residence equal to one-fourth of the total semester hours required for the second degree. As most degrees require 124 total semester hours, the additional semester hours in residence typically would be 31 semester hours. These additional semester hours in residence must be distinct from the first degree. In other words, the additional semester hours in residence for the second degree cannot be counted toward any requirements for the first degree. These guidelines apply to students who are seeking two degrees concurrently and alumni returning for a second degree.

## Graduation Under a Particular Catalog

To receive an undergraduate degree from the University of Mary Hardin-Baylor, a student must fulfill all requirements for that degree as set forth in a catalog under which the student is entitled to graduate. The student, however, has several choices:

- graduate under the current catalog;
- graduate under the catalog in force the year the student first registered (degree seeking status) at Mary Hardin-Baylor (within the six-year limitation) provided the student experiences no longer than a one academic year disruption in enrollment;
- graduate under the catalog for any subsequent year in which the student was registered at Mary Hardin-Baylor (within the six-year limitation) provided the student experiences no longer than a one academic year disruption in enrollment; or
- if first registration (degree seeking status) at Mary Hardin-Baylor was during a summer session, graduate under the catalog governing the preceding "long" semester or the catalog for the next "long" semester (within the six-year limitation) provided the student experiences no longer than a one academic year disruption in enrollment.

Students experiencing a disruption in enrollment lasting longer than one academic year must reorganize their respective degree plan to conform to the current catalog.

The University catalog is considered valid for six years from a student's initial enrollment with degree seeking status. For example, the catalog for school year 2021-2022 is valid for graduation purposes through Summer 2027 for a degree seeking student enrolling in the fall of 2021. A student who fails to complete the required work for a degree in a six-year interval dating from the time the student first registered with degree-seeking status must reorganize his or her degree plan to conform with the current catalog. **The same catalog will be in force for the entire degree; in other words, a student must use the same catalog for both the major and minor requirements.** Certain certificate or licensure programs may require that you use the most current catalog to meet state, federal, or accreditation requirements.

Although a previous edition of the University's academic catalog may control the academic criteria for awarding a student a degree or a major or minor in any academic field or certain academic honors and awards, the policies and procedures contained in the most recent edition of the catalog will always control. For example, matters such as academic standards, classroom expectations and ethics, and academic appeals are always controlled by the most recent catalog.

## Commencement Ceremonies

Commencement ceremonies are held at the conclusion of the Fall and the Spring terms.

- Because commencement exercises are meaningful experiences in the academic lives of students, all students are encouraged to participate when possible.
- Students are permitted to participate in only one ceremony per degree.
- Students must settle all accounts in order to be eligible to participate in commencement exercises. UMHB may restrict students from participating in commencement for failure to make complete payment of student accounts.
- A student may be excused from commencement exercises and be permitted to graduate in absentia with approval from the Registrar's Office. Students desiring to graduate in absentia should submit a written request to the Registrar's Office not less than two weeks prior to the commencement exercise.
- Diplomas will be mailed typically within eight weeks of the commencement exercise to the address provided on the application for degree. This allows time for confirmation all degree requirements have been met. Under no circumstances will a diploma be released prior to the official degree conferral date. Diplomas will not be released to students owing a balance to UMHB.
- Students lacking a maximum of seven semester hours toward degree completion may petition for permission to participate in commencement exercises. To petition, students must submit a fully completed Petition to Participate in Commencement Exercises form to their respective dean. Completion of the form requires a concrete plan for earning the remaining degree requirements. The specific requirements for that plan will vary by academic discipline. Whether or not the plan is adequate will be determined by the dean.

Students must submit the form to their respective dean no later than January 15 for Spring participants or September 15 for Fall participants. The dean may require an in-person consultation. Normally the petition will be approved or denied within five business days of receipt of the form. Students denied permission to participate in commencement exercises by their respective dean will have five business days to appeal in writing to the Associate Provost. Students granted permission to participate in commencement exercises by either their respective dean or the Associate Provost must file an application for degree and pay the graduation fee by January 31 for Spring participants or September 30 for Fall participants. Students filing for graduation after their respective deadline will be

charged a late fee and are NOT guaranteed inclusion in the printed commencement program.

Participation in commencement exercises is not equivalent to graduation. Students granted permission by their respective dean or the Associate Provost to "walk" in the ceremony are not official graduates. They will not receive diplomas nor will their degrees be posted to their transcripts until all their degree requirements have been completed. Degree conferral dates will not be retroactive. The official degree conferral date will correspond to the semester in which the students' outstanding degree requirements are completed. Students failing to graduate after the expiration of one academic year must reorganize their respective degree plan to conform with the current catalog as well as must submit another application for degree and pay another graduation fee by the applicable deadlines.

- Students may petition the Registrar's Office for permission to delay participation in commencement exercises if students are unable to participate in the ceremony immediately following their degree completion.

## Professional Certifications and Licensures

Admission to or completion of an undergraduate or graduate program does not guarantee licensure by any state licensing board or other professional certification or licensure entity.

## CORE COURSES REQUIRED FOR ALL UNDERGRADUATE DEGREES

### CATEGORIES OF COURSES

Throughout the succeeding degree requirements, certain core courses have been grouped into categories. The following is a breakdown of these groupings.

### DEGREE REQUIREMENTS

#### Fine Arts

|           |                             |   |
|-----------|-----------------------------|---|
| ARTS 1350 | Art Appreciation            | 3 |
| COMM 3335 | Film Appreciation           | 3 |
| FINA 2330 | Exploring the Fine Arts     | 3 |
| MUSI 1340 | Music Appreciation          | 3 |
| THEA 2350 | Introduction to the Theatre | 3 |

#### Humanities

|           |                       |   |
|-----------|-----------------------|---|
| HUMA 2350 | Humanities: Origins   | 3 |
| HUMA 2355 | Humanities: Foundings | 3 |

#### Laboratory Sciences

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |
| BIOL 1105 | Living World Lab                   | 1 |
| BIOL 1305 | Living World                       | 3 |
| BIOL 1165 | Exploring the Invisible Lab        | 1 |
| BIOL 1365 | Exploring the Invisible            | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab  | 1 |
| BIOL 2341 | Human Anatomy & Physiology II      | 3 |
| CHEM 1400 | Chemistry and Society              | 4 |
| CHEM 1401 | Introduction to Forensic Science   | 4 |
| CHEM 1402 | Environmental Science              | 4 |
| CHEM 1410 | General Chemistry I                | 4 |
| CHEM 1441 | College Chemistry                  | 4 |
| ENVR 1402 | Environmental Science              | 4 |
| GEOL 1401 | Physical Geology                   | 4 |
| GEOL 1402 | Historical Geology                 | 4 |
| PHYS 2411 | General Physics I                  | 4 |
| PHYS 2421 | Physics I with Calculus            | 4 |

#### Mathematics

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
| MATH 1306 | College Algebra        | 3 |

|           |                                 |   |
|-----------|---------------------------------|---|
| MATH 1320 | Pre Calculus                    | 3 |
| MATH 1330 | Calculus I                      | 3 |
| MATH 2303 | Statistics                      | 3 |
| MATH 2304 | Math for Elementary Teachers I  | 3 |
| MATH 2305 | Math for Elementary Teachers II | 3 |

#### Philosophy

|           |   |   |
|-----------|---|---|
| PHIL 2315 | Introduction to Philosophy                              | 3 |
| PHIL 3303 | World Views: Christian Thought Engages the Modern World | 3 |
| PHIL 3311 | Advanced Philosophical Studies                          | 3 |
| PHIL 3316 | Critical Reasoning                                      | 3 |
| PHIL 3325 | Philosophical Ethics                                    | 3 |
| PHIL 3335 | History of Philosophy                                   | 3 |
| PHIL 4315 | World Religions   | 3 |
| PHIL 4325 | Philosophy of Religion                                  | 3 |

#### Social Sciences

|           |                                  |   |
|-----------|----------------------------------|---|
| BECO 2310 | Principles of Economics          | 3 |
| PSYC 1301 | General Psychology               | 3 |
| PSYC 2399 | Child and Adolescent Development | 3 |
| SOCI 1311 | Introduction to Sociology        | 3 |
| SOCW 2311 | Introduction to Social Work      | 3 |

#### US History or US Government

|           |                                 |   |
|-----------|---------------------------------|---|
| HIST 2311 | American History to 1877        | 3 |
| HIST 2312 | American History since 1877     | 3 |
| POLS 2310 | State and Federal Government I  | 3 |
| POLS 2311 | State and Federal Government II | 3 |

#### World Cultures:

|           |   |   |
|-----------|---|---|
| ARTS 2354 | World Art                                 | 3 |
| EXSS 2353 | Lifespan Nutrition                        | 3 |
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| MUSI 2358 | World Music                               | 3 |
| PHIL 2315 | Introduction to Philosophy                | 3 |

### CORE COURSES

To receive any undergraduate degree, a student (in addition to the general requirements) must complete the following core course requirements within the requisite semester hours for graduation.

**University Commitment to Writing**

The University of Mary Hardin-Baylor recognizes that effective writing is essential not only to civic life but also to almost any career students are likely to enter. The University Academic Core Curriculum prepares students to write with reasonable clarity, organization, precision, and rhetorical development. The University's Institutional Quality process governs the assessment of general-education goals and outcomes regarding written communication.

In addition, all undergraduate programs are committed to preparing students to communicate effectively and to develop writing skills specific to each discipline. To that end, each degree program has established models of effective professional writing as well as goals and outcomes to develop competent writers. Each program assesses its discipline-specific goals and outcomes regarding written communication.

**CORE COURSE REQUIREMENTS**

**These core courses are incorporated into all the succeeding degree requirements.**

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Mathematics - 3 hours**

MATH only

**Lab Science - 4 hours****Fine Arts - 3 hours****First Year Experience - 1 hour**

|      |                  |   |
|------|------------------|---|
| UMHB | Freshman Seminar | 1 |
| 1101 |                  |   |

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**Social Science - 3 hours****US History or US Government - 3 hours****World Cultures - 3 hours****Public Speaking - 3 hours**

|      |                 |   |
|------|-----------------|---|
| COMM | Public Speaking | 3 |
| 1320 |                 |   |

**Activity Courses - 2 courses**

Any EXAC prefix course

**Chapel - 1 to 4 credits**

|      |        |   |
|------|--------|---|
| UMHB | Chapel | 0 |
| 1002 |        |   |

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2 to 8 credits**

|      |                      |   |
|------|----------------------|---|
| UMHB | Fine Arts Experience | 0 |
| 1005 |                      |   |

UMHB 1005: credits determined by admission classification

**“Double-Dipping”**

Except where it is explicitly disallowed by the core requirements, courses taken in the major or minor may also be used to meet a core requirement also. No course may be used by any one student to meet more than one core requirement. For example, if a literature course receives a CWI designation, it can be used by a student to meet either the core literature requirement or the CWI requirement, but that course cannot be used to meet both requirements.

**BACHELOR OF ARTS DEGREE**

To receive a Bachelor of Arts degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 60 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses****Fine Arts - 3 hours****Foreign Language - 14 hours**

in one language

**NOTE:** The foreign language requirement is 14 semester hours (four semesters or the equivalent) in the same language.

**Lab Science - 4 hours****Public Speaking - 3 hours**

|      |                 |   |
|------|-----------------|---|
| COMM | Public Speaking | 3 |
| 1320 |                 |   |

**Quantitative Reasoning - 3 hours**

|      |                        |   |
|------|------------------------|---|
| MATH | Quantitative Reasoning | 3 |
| 1304 |                        |   |

or  
higher

**Literature or Humanities - 3 hours****Social Science - 3 hours**

two different subject areas outside of major

**US History or US Government- 3 hours****World Cultures or Any Philosophy - 3 hours****World Cultures - 3 hours****Freshman Seminar - 1 hour**

|      |                  |   |
|------|------------------|---|
| UMHB | Freshman Seminar | 1 |
| 1101 |                  |   |

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Chapel - 1 to 4 credits**

|      |        |   |
|------|--------|---|
| UMHB | Chapel | 0 |
| 1002 |        |   |

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|      |                      |   |
|------|----------------------|---|
| UMHB | Fine Arts Experience | 0 |
| 1005 |                      |   |

UMHB 1005: credits determined by admission classification

**B. Complete a major with a minimum of 24 semester hours and a maximum of 38 semester hours**

Lower-level courses may be included in these hours, but a minimum of 12 semester hours must be taken in upper-level courses. Some majors require additional support courses outside the major field. Specific requirements are detailed in the major field's department section. See **Degrees section for a listing of available majors.**

**C. Electives (as necessary) to bring total to - 120 hours****D. Core course requirements, major field requirements, minor field requirements (if applicable), and electives must total a minimum of 120 semester hours.**

However, the requirements of some majors/minors may extend the total beyond 120 semester hours.

**Teacher Certification:** Students wishing to meet Texas Teacher Certification requirements should refer to the Academic Foundation and Professional Education

requirements stated in this catalog by the College of Education.

## BACHELOR OF BUSINESS ADMINISTRATION DEGREE

To receive a Bachelor of Business Administration degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 40 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
|-----------|----------------------------|---|

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1312 | Engaging the New Testament | 3 |
|-----------|----------------------------|---|

**English - 9 hours**

|           |                          |   |
|-----------|--------------------------|---|
| ENGL 1321 | Rhetoric & Composition I | 3 |
|-----------|--------------------------|---|

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1322 | Rhetoric & Composition II | 3 |
|-----------|---------------------------|---|

|      |            |   |
|------|------------|---|
| ENGL | Literature | 3 |
|------|------------|---|

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses****Fine Arts - 3 hours****Social Science - 3 hours**

|      |                        |   |
|------|------------------------|---|
| BADM | Global Competition and | 3 |
|------|------------------------|---|

|      |                        |  |
|------|------------------------|--|
| 3311 | International Business |  |
|------|------------------------|--|

**Lab Science - 4 hours****Public Speaking - 3 hours**

|      |                 |   |
|------|-----------------|---|
| COMM | Public Speaking | 3 |
|------|-----------------|---|

|      |  |  |
|------|--|--|
| 1320 |  |  |
|------|--|--|

**Mathematics - 3 hours**

|      |                 |   |
|------|-----------------|---|
| MATH | College Algebra | 3 |
|------|-----------------|---|

|      |  |  |
|------|--|--|
| 1306 |  |  |
|------|--|--|

MATH 1306 or higher

**World Cultures - 3 hours****US History or US Government - 3 hours****Freshman Seminar - 1 hour**

|      |                  |   |
|------|------------------|---|
| UMHB | Freshman Seminar | 1 |
|------|------------------|---|

|      |  |  |
|------|--|--|
| 1101 |  |  |
|------|--|--|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Chapel - 1 to 4 credits**

|      |        |   |
|------|--------|---|
| UMHB | Chapel | 0 |
|------|--------|---|

|      |  |  |
|------|--|--|
| 1002 |  |  |
|------|--|--|

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|      |                      |   |
|------|----------------------|---|
| UMHB | Fine Arts Experience | 0 |
|------|----------------------|---|

|      |  |  |
|------|--|--|
| 1005 |  |  |
|------|--|--|

UMHB 1005: credits determined by admission classification

**B. Professional Business Foundation - 24 hours**

**C. Professional Business Core - 27 hours**

**D. Business Area Major - 15 hours**

Accounting majors will be required 21 hours.

**E. Business Electives (3 upper-level hours), or Business Specialization (9 hours), or Business Minor (12 hours), or Second Business Major (15-21 hours), or Outside Minor (18-24 hours)**

**F. Electives (if necessary) to bring total to -120 hours**

## BACHELOR OF CHRISTIAN MINISTRY DEGREE

To receive a Bachelor of Christian Ministry degree, a student must fulfill the following course requirements:

### DEGREE REQUIREMENTS

**A. Core Courses - 54 hours**

**Biblical Language - 8 hours**

In one language: Hebrew or Greek

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 6 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses**

**Fine Arts - 3 hours**

**Social Science - 3 hours**

**Lab Science - 4 hours**

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

**Mathematics - 3 hours**

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|           | or<br>higher           |   |

**Literature or Humanities - 3 hours**

**Social Science - 3 hours**

**World Cultures- 3 hours**

|           |                            |   |
|-----------|----------------------------|---|
| PHIL 2315 | Introduction to Philosophy | 3 |
|-----------|----------------------------|---|

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**US History or US Government- 3 hours**

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**B. Christian Studies Foundations - 17 hours**

**C. Advanced Christian Studies Electives - 15 hours**

**E. Concentration - 15 hours**

**F. Capstone Course- 1 hour**

**G. Electives (if necessary) to bring total to - 120 hours**

## BACHELOR OF FINE ARTS DEGREE - ACADEMIC CORE

To receive a Bachelor of Fine Arts degree, a student must fulfill the following course requirements:

### DEGREE REQUIREMENTS

**A. Core Courses - 40 hours**

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Activity - 2 activity courses**

**Fine Arts - 3 hours**

Outside of ARTS courses.

**Social Science - 3 hours**

**Lab Science - 4 hours**

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|



**Quantitative Reasoning - 3 hours****Global Cultures - 3 hours**

|           |           |   |
|-----------|-----------|---|
| ARTS 2354 | World Art | 3 |
|-----------|-----------|---|

**History or Political Science - 3 hours****Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**B. Art Major (see Art section of this catalog for specific courses required):**

|                         |    |
|-------------------------|----|
| Lower-Level Art Courses | 30 |
| Upper-Level Art Courses | 30 |
| Support Courses         | 12 |

**C. Electives (if necessary) to bring total to - 120 hours**

**Teacher Certification:** Students wishing to meet Texas Teacher Certification requirements should refer to the Academic Foundation and Professional Education requirements stated in this catalog by the College of Education.

**BACHELOR OF GENERAL STUDIES DEGREE - ACADEMIC CORE**

The Bachelor of General Studies is designed for individuals who are currently employed in or who wish to be employed in fields that do not require a degree in a specific subject area. It is also an appropriate program for persons who desire a degree only for purposes of personal enrichment.

To receive a Bachelor of General Studies degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 46 hours****Capstone (determined by concentrations)**

|           |                          |   |
|-----------|--------------------------|---|
| BGST 4001 | General Studies Capstone | 0 |
|-----------|--------------------------|---|

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses****Fine Arts - 3 hours****World Cultures - 3 hours****Lab Science - 4 hours****Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

**Mathematics - 3 hours****Literature or Humanities - 3 hours****Social Science - 3 hours****US History or US Government - 3 hours****Philosophy or World Cultures- 3 hours****Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**B. Two Concentrations - 48 hours**

Each Concentration must have:

24 hours chosen from one college. "College" refers to Business, Christian Studies, Education, Exercise Science, Humanities (Communications, English, History, Political Science, Spanish), Nursing (only if the student is coming from Nursing with sufficient hours), Science (natural sciences and social sciences—Criminal Justice, Psychology, Social Work, Sociology), Visual and Performing Arts

12 hours upper-level

12 hours at UMHB, 6 of which must be upper-level

Associate degree academic or technical fields (excluding General Studies) may be a concentration

Courses in the general education core will not also count towards hours in the concentration

Courses from the College of Humanities and Sciences may be separated into a Concentration in Humanities and/or a Concentration in Sciences.

**C. Electives - as needed to bring total to 120 hours**

**D. Total for Bachelor of General Studies Degree - 120 hours**

## BACHELOR OF MUSIC DEGREE - ACADEMIC CORE

To receive a Bachelor of Music degree, a student must fulfill the following course requirements:

### CHURCH MUSIC MAJOR

#### A. Core Courses - 40 hours

##### Christian Studies - 6 hours

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

##### English - 9 hours

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

#### Exercise & Sport Science- 2 activity courses

#### Fine Arts - 3 hours

Fulfilled by Major

#### Social Science - 3 hours

#### Lab Science - 4 hours

#### Public Speaking - 3 hours

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

#### Mathematics - 3 hours

MATH only

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|-----------|------------------------|---|

or  
higher

#### US Government or US History- 3 hours

#### World Cultures- 3 hours

Fulfilled by Major

#### Freshman Seminar - 1 hour

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

#### Fine Arts Experience - 2-8 credits

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

#### Chapel - 1 to 4 credits

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**B. Other requirements are listed in the schematic plans in the Department of Music section of this catalog.**

Subtotal: 128

## MUSIC EDUCATION MAJOR

#### A. Core Courses - 40 hours

##### Christian Studies - 6 hours

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

##### English - 9 hours

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

#### Exercise & Sport Science- 2 activity courses

#### Fine Arts - 3 hours

Fine Arts must be outside of Music

#### Social Science - 3 hours

|           |                    |   |
|-----------|--------------------|---|
| PSYC 1301 | General Psychology | 3 |
|-----------|--------------------|---|

#### Lab Science - 4 hours

#### Public Speaking - 3 hours

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

#### Quantitative Reasoning - 3 hours

#### History or Political Science - 3 hours

#### World Cultures - 3 hours

#### Chapel - 1 to 4 credits

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

#### Fine Arts Experience - 2-8 credits

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**B. Other requirements are listed in the schematic plans in the Department of Music section of this catalog.**

**Teacher Certification:** Students wishing to meet Texas Teacher Certification requirements should refer to the Academic Foundation and Professional Education requirements as stated in this catalog by the College of Education.

Subtotal: 136-137

## PERFORMANCE MAJOR

### A. Core Courses - 54 hours

**Capstone**

determined by major

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses**

**Fine Arts - 3 hours**

Fulfilled by Major

**Foreign Language – 8 hours**

in one language

**Global Issues or Social Science - 3 hours**

**Lab Science - 4 hours**

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

**Quantitative Reasoning - 3 hours**

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|           | or                     |   |
|           | higher                 |   |

**Scientific Inquiry or Natural Sciences - 3 hours**

**Social Science - 6 hours**

two different disciplines outside of the major

**Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**World Ideas or Philosophy or Non-US History - 3 hours**

**B. Other requirements are listed in the schematic plans in the Department of Music section of this catalog.**

Total minimum credit hours for degree: 130 (Voice) or 131 (Piano)

Subtotal: 130-131

## BACHELOR OF SCIENCE DEGREE - ACADEMIC CORE

To receive a Bachelor of Science degree, a student must fulfill the following course requirements:

### DEGREE REQUIREMENTS

#### A. Core Courses - 46 hours

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses**

**Fine Arts - 3 hours**

|           |                             |   |
|-----------|-----------------------------|---|
| ARTS 1350 | Art Appreciation            | 3 |
| COMM 3335 | Film Appreciation           | 3 |
| FINA 2330 | Exploring the Fine Arts     | 3 |
| THEA 2350 | Introduction to the Theatre | 3 |

**World Cultures - 3 hours**

|           |           |   |
|-----------|-----------|---|
| ARTS 2354 | World Art | 3 |
|-----------|-----------|---|

|                                     |  |   |  |  |   |
|-------------------------------------|--|---|--|--|---|
| HIST 1311                           | History of World Civilizations to 1500     | 3 | <b>Mathematics - 3 hours</b>                   |  |   |
| HIST 1312                           | History of World Civilizations since 1500  | 3 | BQBA 2301                                      | Introduction to Quantitative Methods         | 3 |
| MUSI 2358                           | World Music                                | 3 | BQBA 2302                                      | Business Data Analysis                       | 3 |
| PHIL 2315                           | Introduction to Philosophy                 | 3 | MATH 1306                                      | College Algebra                              | 3 |
| <b>Laboratory Science - 8 hours</b> |  |   | MATH 1320                                      | Pre Calculus                                 | 3 |
| BIOL 1105                           | Living World Lab                           | 1 | MATH 1330                                      | Calculus I                                   | 3 |
| BIOL 1305                           | Living World                               | 3 | MATH 2303                                      | Statistics                                   | 3 |
| BIOL 1150                           | Biomolecules, Genes, and Cells Lab         | 1 | MATH 2304                                      | Math for Elementary Teachers I               | 3 |
| BIOL 1350                           | Biomolecules, Genes, and Cells             | 3 | MATH 2305                                      | Math for Elementary Teachers II              | 3 |
| BIOL 1160                           | Organisms, Populations, and Ecosystems Lab | 1 | MATH 2320                                      | Linear Algebra                               | 3 |
| BIOL 1360                           | Organisms, Populations, and Ecosystems     | 3 | MATH 2330                                      | Calculus II                                  | 3 |
| BIOL 1165                           | Exploring the Invisible Lab                | 1 | PSYC 2316                                      | Statistics for the Social Sciences           | 3 |
| BIOL 1365                           | Exploring the Invisible                    | 3 | SOCI 2305                                      | Statistics for the Social Sciences           | 3 |
| BIOL 2120                           | Science for Educators                      | 1 | SOCW 2305                                      | Statistics for the Social Sciences           | 3 |
| BIOL 2320                           | Science for Educators                      | 3 |  |  |   |
| BIOL 2140                           | Human Anatomy & Physiology I Lab           | 1 | <b>Research Methods or Internship- 2 hours</b> |  |   |
| BIOL 2340                           | Human Anatomy & Physiology I               | 3 | BADM 4090                                      | Practical Experience                         | 0 |
| BIOL 2141                           | Human Anatomy & Physiology II Lab          | 1 | BADM 4395                                      | Internship                                   | 3 |
| BIOL 2341                           | Human Anatomy & Physiology II              | 3 | BIOL 2170                                      | Research Methods                             | 1 |
| BIOL 2180                           | Microbiology Lab                           | 1 | BIOL 2171                                      | Research Methods Lab                         | 1 |
| BIOL 2380                           | Microbiology                               | 3 | BIOL 4393                                      | Biological Research                          | 3 |
| BIOL 2430                           | Natural History Expedition for Non-majors  | 4 | CHEM 2181                                      | Introduction to Chemical Research-Capstone I | 1 |
| CHEM 1400                           | Chemistry and Society                      | 4 | CHEM 4181                                      | Chemical Research-Capstone II                | 1 |
| CHEM 1401                           | Introduction to Forensic Science           | 4 | CHEM 4183                                      | Seminar - Capstone III                       | 1 |
| CHEM 1402                           | Environmental Science                      | 4 | CISC 4395                                      | Internship                                   | 3 |
| ENVR 1402                           | Environmental Science                      | 4 | EDUC 4501                                      | Student Teaching I                           | 5 |
| CHEM 1410                           | General Chemistry I                        | 4 | EDUC 4502                                      | Student Teaching II                          | 5 |
| CHEM 1420                           | General Chemistry II                       | 4 | ENGR 4090                                      | Practical Experience                         | 0 |
| CHEM 1441                           | College Chemistry                          | 4 | EXSS 3376                                      | Research Methods in Sport Management         | 3 |
| GEOL 1401                           | Physical Geology                           | 4 | EXSS 4370                                      | Internship in S&C                            | 3 |
| GEOL 1402                           | Historical Geology                         | 4 | EXSS 4377                                      | Field Experience                             | 3 |
| PHYS 2411                           | General Physics I                          | 4 | EXSS 4378                                      | Sport Finance                                | 3 |
| PHYS 2412                           | General Physics II                         | 4 | EXSS 4398                                      | Internship in Exercise Science               | 3 |
| PHYS 2421                           | Physics I with Calculus                    | 4 | HIST 2340                                      | Historical Inquiry, Research, and Method     | 3 |
| PHYS 2422                           | Physics II with Calculus                   | 4 | HIST 4295                                      | Internship                                   | 2 |
| <b>Public Speaking - 3 hours</b>    |  |   | HIST 4395                                      | Internship                                   | 3 |
| COMM 1320                           | Public Speaking                            | 3 | MATH 4090                                      | Senior Seminar                               | 0 |

|           |   |   |
|-----------|---|---|
| MATH 4193 | Senior Seminar:                         | 1 |
| POLS 2320 | Topics and Methods of Political Science | 3 |
| POLS 4295 | Internship                              | 2 |
| POLS 4395 | Internship                              | 3 |
| PSYC 2314 | Research Methods for the Social Science | 3 |
| SOCI 2310 | Research Methods for Sociology          | 3 |
| SOCW 4312 | Social Work Research I                  | 3 |

**Social Science - 3 hours**

|           |                                      |   |
|-----------|--------------------------------------|---|
| BECO 2310 | Principles of Economics              | 3 |
| EDUC 2399 | Child and Adolescent Development     | 3 |
| PSYC 3317 | Child and Adolescent Psychopathology | 3 |
| PSYC 1301 | General Psychology                   | 3 |
| SOCI 1311 | Introduction to Sociology            | 3 |
| SOCW 2311 | Introduction to Social Work          | 3 |

**US History or US Government - 3 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| HIST 2311 | American History to 1877        | 3 |
| HIST 2312 | American History since 1877     | 3 |
| POLS 2310 | State and Federal Government I  | 3 |
| POLS 2311 | State and Federal Government II | 3 |

**First Year Experience- 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**B. Global Emphasis Option**

Optional Global Emphasis- Study Abroad track of additional 3 hours for a total of 49 Core Hour Requirement.

Optional Global Emphasis- Foreign Language track of additional 8 hours for a total of 54 Core Hour Requirement.

**C. Complete a major with a minimum of 24 semester hours and a maximum of 39 semester hours.**

Lower level courses may be included in these hours, but a minimum of 12 semester hours must be taken in upper level courses. Some majors require additional support courses outside the major field. Specific requirements are detailed in the major field's department section. **See the Degrees section for a listing of available majors.**

**D. Electives (as necessary) to bring total to - 120 hours****E. Core course requirements, major field requirements, minor field requirements (if applicable), and electives must total a minimum of 120 semester hours.**

However, the requirements of some majors/minors may extend the total beyond 120 semester hours.

**Teacher Certification:** Students wishing to meet Texas Teacher Certification requirements should refer to the Academic Foundation and Professional Education requirements as stated in this catalog by the College of Education.

**BACHELOR OF SCIENCE IN EDUCATION - ACADEMIC CORE**

To receive a Bachelor of Science in Education degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 63 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses**

|           |                          |   |
|-----------|--------------------------|---|
| EXAC 1101 | Lifetime Fitness         | 1 |
| EXAC 1105 | Low Organized Activities | 1 |

**Fine Arts - 3 hours**

|           |                         |   |
|-----------|-------------------------|---|
| FINA 2330 | Exploring the Fine Arts | 3 |
|-----------|-------------------------|---|

**World Cultures - 3 hours**

|           |   |   |
|-----------|---|---|
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |

**Laboratory Science - 12 hours**

|           |                  |   |
|-----------|------------------|---|
| BIOL 1105 | Living World Lab | 1 |
|-----------|------------------|---|

|           |                           |   |
|-----------|---------------------------|---|
| BIOL 1305 | Living World              | 3 |
| BIOL 2120 | Science for Educators     | 1 |
| BIOL 2320 | Science for Educators     | 3 |
|           | Lab Science (Non Biology) | 4 |

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

Must earn a "C" or higher

**Mathematics - 6 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| MATH 2304 | Math for Elementary Teachers I  | 3 |
| MATH 2305 | Math for Elementary Teachers II | 3 |

**Social Science - 6 hours**

|           |                                  |   |
|-----------|----------------------------------|---|
| EDUC 2399 | Child and Adolescent Development | 3 |
| HIST 3313 | History of Texas                 | 3 |

**Technology- 3 hours**

|           |                      |   |
|-----------|----------------------|---|
| EDUC 2311 | Classroom Technology | 3 |
|-----------|----------------------|---|

**US History or US Government - 9 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| HIST 2311 | American History to 1877        | 3 |
| HIST 2312 | American History since 1877     | 3 |
| POLS 2310 | State and Federal Government I  | 3 |
|           | or                              |   |
| POLS 2311 | State and Federal Government II | 3 |

**First Year Experience- 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**B. Core course requirements, major field requirements, minor field requirements (if applicable), and electives must total a minimum of 120 semester hours.**

**Teacher Certification:** Students wishing to meet Texas Teacher Certification requirements should refer to the Academic Foundation and Professional Education requirements as stated in this catalog by the College of Education.

## BACHELOR OF SCIENCE IN NURSING DEGREE - ACADEMIC CORE

To receive a Bachelor of Science in Nursing degree, a student must fulfill the following course requirements:

### DEGREE REQUIREMENTS

**A. Core Courses - 61 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses****Fine Arts - 3 hours****Lab Science - 16 hours**

|           |                                   |   |
|-----------|-----------------------------------|---|
| BIOL 2340 | Human Anatomy & Physiology I      | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab  | 1 |
| BIOL 2341 | Human Anatomy & Physiology II     | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| BIOL 2380 | Microbiology                      | 3 |
| BIOL 2180 | Microbiology Lab                  | 1 |
| CHEM 1441 | College Chemistry                 | 4 |
|           | or                                |   |
| CHEM 1410 | General Chemistry I               | 4 |

A minimum of "C" is required

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

A minimum of "C" is required

**Mathematics - 3 hours**

|           |            |   |
|-----------|------------|---|
| MATH 2303 | Statistics | 3 |
|-----------|------------|---|

**Social Science - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| PSYC 1301 | General Psychology        | 3 |
| PSYC 2311 | Developmental Psychology  | 3 |
| SOCI 1311 | Introduction to Sociology | 3 |

A minimum of "C" is required

**US History of Political Science - 3 hours****World Cultures - 3 hours****Freshman Seminar - 1 hour**

|      |                  |   |
|------|------------------|---|
| UMHB | Freshman Seminar | 1 |
| 1101 |                  |   |

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**General Elective - 3 hours****Fine Arts Experience - 2-8 credits**

|      |                      |   |
|------|----------------------|---|
| UMHB | Fine Arts Experience | 0 |
| 1005 |                      |   |

UMHB 1005: credits determined by admission classification

**Chapel - 1 to 4 credits**

|      |        |   |
|------|--------|---|
| UMHB | Chapel | 0 |
| 1002 |        |   |

UMHB 1002: credits determined by admission classification

**B. Prescribed Nursing Courses (as outlined in this catalog) - 63 hours****C. Electives (if necessary) to bring total to - 124 semester hours****BACHELOR OF SCIENCE IN PUBLIC HEALTH DEGREE ACADEMIC CORE**

To receive a Bachelor of Science in Public Health degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 40 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses**

|           |                                  |   |
|-----------|----------------------------------|---|
| EXSS 3107 | Advanced Cardiovascular Training | 1 |
| EXSS 3135 | Advanced Resistance Training     | 1 |

Student must make a "C" or higher in both EXSS 3107 and EXSS 3135.

**Fine Arts - 3 hours****World Cultures - 3 hours**

EXSS 2353 is recommended

**Laboratory Science - 4 hours**

|           |                               |   |
|-----------|-------------------------------|---|
| BIOL 2141 | Human Anatomy & Physiology II | 1 |
|           | Lab                           |   |
| BIOL 2341 | Human Anatomy & Physiology II | 3 |

**Public Speaking - 3 hours**

|      |                 |   |
|------|-----------------|---|
| COMM | Public Speaking | 3 |
| 1320 |                 |   |

**Mathematics - 3 hours**

|      |                 |   |
|------|-----------------|---|
| MATH | College Algebra | 3 |
| 1306 |                 |   |

**Social Science - 3 hours**

|           |                    |   |
|-----------|--------------------|---|
| PSYC 1301 | General Psychology | 3 |
|-----------|--------------------|---|

**US History or US Government - 3 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| HIST 2311 | American History to 1877        | 3 |
| HIST 2312 | American History since 1877     | 3 |
| POLS 2310 | State and Federal Government I  | 3 |
| POLS 2311 | State and Federal Government II | 3 |

**First Year Experience- 1 hour**

|      |                  |   |
|------|------------------|---|
| UMHB | Freshman Seminar | 1 |
| 1101 |                  |   |

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Chapel - 1 to 4 credits**

|      |        |   |
|------|--------|---|
| UMHB | Chapel | 0 |
| 1002 |        |   |

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|      |                      |   |
|------|----------------------|---|
| UMHB | Fine Arts Experience | 0 |
| 1005 |                      |   |

UMHB 1005: credits determined by admission classification

**B. Public Health Major- 36 hours****C. Other Required Courses****D. Core course requirements, major field requirements, minor field requirements (if applicable), and electives must total a minimum of 120 semester hours.**

However, the requirements of some majors/minors may extend the total beyond 120 semester hours.

**BACHELOR OF SOCIAL WORK DEGREE - ACADEMIC CORE**

To receive a Bachelor of Social Work degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 57 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses****Fine Arts - 3 hours****Foreign Language - 8 hours**

in one language

**NOTE:** The foreign language requirement is 8 semester hours (two semesters or the equivalent) in the same language.

**Information Systems – 3 hours**

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
|-----------|---|---|

**Lab Science - 4 hours**

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1105 | Living World Lab                   | 1 |
| BIOL 1305 | Living World                       | 3 |
|           | or                                 |   |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

**Mathematics - 3 hours**

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|-----------|------------------------|---|

**Social Science - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| PSYC 1301 | General Psychology        | 3 |
| SOCI 1311 | Introduction to Sociology | 3 |
| PSYC 3315 | Abnormal Psychology       | 3 |

**US History or US Government- 3 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| POLS 2311 | State and Federal Government II | 3 |
|-----------|---------------------------------|---|

**World Cultures - 3 hours**

|           |                     |   |
|-----------|---------------------|---|
| PSYC 3315 | Abnormal Psychology | 3 |
|-----------|---------------------|---|

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**B. Social Work Major - 52 hours****C. Electives (if necessary) to bring total to - 120 hours****BACHELOR OF SPORT MANAGEMENT  
DEGREE - ACADEMIC CORE**

To receive a Bachelor of Sport Management degree, a student must fulfill the following course requirements:

**DEGREE REQUIREMENTS****A. Core Courses - 40 hours****Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses**

|           |                                  |   |
|-----------|----------------------------------|---|
| EXSS 3107 | Advanced Cardiovascular Training | 1 |
| EXSS 3135 | Advanced Resistance Training     | 1 |

Student must make a "C" or higher in both EXSS 3107 and EXSS 3135.

**Fine Arts - 3 hours****World Cultures - 3 hours**

|           |   |   |
|-----------|---|---|
| ARTS 2354 | World Art                                 | 3 |
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| MUSI 2358 | World Music                               | 3 |
| PHIL 2315 | Introduction to Philosophy                | 3 |

**Laboratory Science - 4 hours**

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1105 | Living World Lab                   | 1 |
| BIOL 1305 | Living World                       | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |



|                                  |  |   |   |                                      |   |
|----------------------------------|--|---|---|--------------------------------------|---|
| BIOL 1160                        | Organisms, Populations, and Ecosystems Lab | 1 | MATH 2305   | Math for Elementary Teachers II      | 3 |
| BIOL 1360                        | Organisms, Populations, and Ecosystems     | 3 | <b>Social Science - 3 hours</b>   |                                      |   |
| BIOL 1165                        | Exploring the Invisible Lab                | 1 | BECO 2310   | Principles of Economics              | 3 |
| BIOL 1365                        | Exploring the Invisible                    | 3 | EDUC 2399   | Child and Adolescent Development     | 3 |
| BIOL 2120                        | Science for Educators                      | 1 | PSYC 3317   | Child and Adolescent Psychopathology | 3 |
| BIOL 2320                        | Science for Educators                      | 3 | PSYC 1301   | General Psychology                   | 3 |
| BIOL 2140                        | Human Anatomy & Physiology I Lab           | 1 | SOCI 1311   | Introduction to Sociology            | 3 |
| BIOL 2340                        | Human Anatomy & Physiology I               | 3 | SOCW 2311   | Introduction to Social Work          | 3 |
| BIOL 2141                        | Human Anatomy & Physiology II Lab          | 1 | <b>US History or US Government - 3 hours</b>  |                                      |   |
| BIOL 2341                        | Human Anatomy & Physiology II              | 3 | HIST 2311   | American History to 1877             | 3 |
| BIOL 2180                        | Microbiology Lab                           | 1 | HIST 2312   | American History since 1877          | 3 |
| BIOL 2380                        | Microbiology                               | 3 | POLS 2310   | State and Federal Government I       | 3 |
| BIOL 2430                        | Natural History Expedition for Non-majors  | 4 | POLS 2311   | State and Federal Government II      | 3 |
| CHEM 1400                        | Chemistry and Society                      | 4 | <b>First Year Experience- 1 hour</b>  |                                      |   |
| CHEM 1401                        | Introduction to Forensic Science           | 4 | UMHB 1101   | Freshman Seminar                     | 1 |
| CHEM 1402                        | Environmental Science                      | 4 | UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only   |                                      |   |
| ENVR 1402                        | Environmental Science                      | 4 | <b>Chapel - 1 to 4 credits</b>  |                                      |   |
| CHEM 1410                        | General Chemistry I                        | 4 | UMHB 1002   | Chapel                               | 0 |
| CHEM 1420                        | General Chemistry II                       | 4 | UMHB 1002: credits determined by admission classification   |                                      |   |
| CHEM 1441                        | College Chemistry                          | 4 | <b>Fine Arts Experience - 2-8 credits</b>   |                                      |   |
| GEOL 1401                        | Physical Geology                           | 4 | UMHB 1005   | Fine Arts Experience                 | 0 |
| GEOL 1402                        | Historical Geology                         | 4 | UMHB 1005: credits determined by admission classification   |                                      |   |
| PHYS 2411                        | General Physics I                          | 4 | <b>B. Sport Management Major- 37 hours</b>  |                                      |   |
| PHYS 2412                        | General Physics II                         | 4 | <b>C. Required Minor</b>  |                                      |   |
| PHYS 2421                        | Physics I with Calculus                    | 4 | Student majoring in Sport Management must choose a minor pertinent to the student's desired profession.   |                                      |   |
| PHYS 2422                        | Physics II with Calculus                   | 4 | <b>D. Core course requirements, major field requirements, minor field requirements (if applicable), and electives must total a minimum of 120 semester hours.</b> |                                      |   |
| <b>Public Speaking - 3 hours</b> |  |   | However, the requirements of some majors/minors may extend the total beyond 120 semester hours.   |                                      |   |
| COMM 1320                        | Public Speaking                            | 3 | <b>BACHELOR OF TRANSFORMATIONAL DEVELOPMENT DEGREE-ACADEMIC CORE</b>  |                                      |   |
| <b>Mathematics - 3 hours</b>     |  |   |   |                                      |   |
| MATH 1304                        | Quantitative Reasoning                     | 3 |   |                                      |   |
| MATH 1306                        | College Algebra                            | 3 |   |                                      |   |
| MATH 1320                        | Pre Calculus                               | 3 |   |                                      |   |
| MATH 1330                        | Calculus I                                 | 3 |   |                                      |   |
| MATH 2303                        | Statistics                                 | 3 |   |                                      |   |
| MATH 2304                        | Math for Elementary Teachers I             | 3 |   |                                      |   |

**DEGREE REQUIREMENTS**

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**A. Core Courses - 48 hours****Biblical Language - 8 hours**

in one language of Greek, Hebrew, or Spanish

**Christian Studies - 6 hours**

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

**English - 9 hours**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

A grade of a "C" or higher must be obtained in ENGL 1321 and ENGL 1322.

**Exercise & Sport Science- 2 activity courses****Fine Arts - 3 hours****Social Science - 3 hours**

|           |                         |   |
|-----------|-------------------------|---|
| BECO 2310 | Principles of Economics | 3 |
|-----------|-------------------------|---|

**Lab Science - 4 hours****World Cultures - 3 hours**

|           |                            |   |
|-----------|----------------------------|---|
| PHIL 2315 | Introduction to Philosophy | 3 |
|-----------|----------------------------|---|

**Public Speaking - 3 hours**

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

**Mathematics - 3 hours**

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|           | or<br>higher           |   |

**US History or US Government- 3 hours**

two different subject areas outside of major

**Freshman Seminar - 1 hour**

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Fine Arts Experience - 2-8 credits**

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

**Chapel - 1 to 4 credits**

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

**B. Christian Studies Content - 24 hours****C. Business Content- 24 hours****D. Capstone Course- 1 hour****E. Electives (if necessary) to bring total to - 120 hours****TEACHER CERTIFICATION (POST-BACCALAUREATE)**

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Specific courses required for Texas Teacher Certification by individuals possessing a baccalaureate degree may be obtained by contacting UMHB's College of Education. Degree plans, teaching fields, available endorsements, and delivery systems may be found in the College of Education (p. 129).

## MCLANE COLLEGE OF BUSINESS

**Dr. Ken A. Smith, Dean**

**Mr. Larry Locke and Dr. Nancy Bonner, Associate Deans**

### Vision

The McLane College of Business at the University of Mary Hardin-Baylor aspires to be the school of choice for students in the Southwest seeking a practical business education grounded on Christian faith.

### Mission

The McLane College of Business provides high quality, innovative, and accessible business education with a distinctive commitment to business as calling, preparing graduates for purposeful service and leadership in Business Administration.

## Business Administration

### Objectives

The McLane College of Business supports the objectives of the University of Mary Hardin-Baylor. It provides a broad education that prepares graduates to succeed in a global and competitive business world. Christian principles of business, management, and leadership provide the foundation for the essential concepts and skills needed by future organizational leaders. Emphases are placed on global concepts and practical experience, as well as the development of oral, written, and technology-based communication skills.

### Graduation Requirements

The McLane College of Business (MCoB) requires all students with a MCoB major to graduate with a 2.5 cumulative GPA for all Business courses required by the degree, including courses required in the Business Core, Business Foundation, Business Major, any Business Minor or Specialization or required Business Electives, taken at UMHB.

### Course Prerequisites

Course prerequisites are governed by the catalog in effect at the time the course is offered.

### Transfer of Credits

Students planning to take their first two years of work at a junior or community college should follow the curriculum that is taken by UMHB freshmen and sophomores. Counseling is available through the Associate Dean to help

students know what courses will fulfill degree requirements. **Classes offered by the McLane College of Business as junior or senior-level courses may not be taken at a junior or community college and transferred to UMHB to substitute for the upper level course at UMHB.**

UMHB students who wish to enroll at another institution for courses to be used in their UMHB degree **must** secure **prior written permission** (before registering for courses at another institution) from the Associate Dean and the Registrar.

Credit for some, but not all, business courses may be obtained by passing a written challenge examination. Permissions from the Associate Dean is needed to take the respective examination.

## Degree Programs

### B.B.A.

The primary undergraduate degree offered by the McLane College of Business is the Bachelor of Business Administration (B.B.A.) with a choice of a major in Accounting, Business Computer Information Systems, Economics, Entrepreneurship & Small Business, Finance, International Business, Management, Marketing, Multimedia Technology, or Supply Chain Management. Because the B.B.A. is a professional degree, it is the degree of choice for students who want to be recognized professionally as business school graduates. The B.B.A. best prepares students for graduate studies in business, international business, economics, organization management, leadership, and law.

B.B.A. students have the option of earning a second major in any of the business major areas, a minor in any of the business minor areas, a specialization in cross-functional areas such as enterprise resource planning and global commerce, or a minor in any other academic area offered at UMHB. Because of the competitive advantage of having a second field of study, students are urged to consider at least one of these options. Students not pursuing one of these options are required by the degree plan to earn three (3) hours of upper level electives offered by McLane College of Business and sufficient electives to satisfy the university's 124-hour requirement.

**Students must have a 2.5 GPA in their major field in order to complete the fulfillment of the major requirements for graduation.**

### B.A. or B.S.

Students may pursue a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree with a major in Business

Administration or Multimedia & Information Technology (MMIT).

**Students must have a 2.5 GPA in their major field in order to complete the fulfillment of the major requirements for graduation.**

## Required Practical Experience

All students majoring under any degree program in the McLane College of Business are required to acquire three hundred (300) hours of practical experience **while enrolled at UMHB**. This requirement must be fulfilled before a student is allowed to graduate. Practical experience must be in the area of the student's anticipated major/minor and may be acquired through full-time employment, part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experience. If a student has multiple majors, a student is required to complete a total of three hundred (300) practical experience hours across all their majors combined - not three hundred (300) in each major/minor. In the final semester of a student's practical experience hours he or she must register for BADM 4090 in order to receive degree plan credit for his or her practical experience. The student must also obtain a letter from his or her employer/supervisor, internship site, etc. to verify his or her practical experience, and the approval of his or her Academic Advisor and the Associate Dean. Please see the Associate Dean for additional information.

## BACHELOR OF BUSINESS ADMINISTRATION (BBA)

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 46 hours

see Bachelor of Business Administration Degree Academic Core

#### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |

BQBA 2302 Business Data Analysis 3

BECO 2310: fulfills 3 of the 6 hours of Social Science in the UMHB Core Curriculum

BADM 3311: fulfills the Global Issues/Social Science block in the UMHB Core Curriculum

#### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |

#### Business Area Major – 15-21 hours

Accounting  
Business Computer Information Systems  
Economics  
Entrepreneurship & Small Business  
Finance  
International Business  
Management  
Marketing  
Supply Chain Management

#### Business Electives - 3 hours upper level

3000-4000 business courses  
or

#### Business Specialization - 9 hours

Please contact the Associate Dean for more information about B.B.A specializations.

Global Commerce  
or  
E-Commerce

#### Business Area Minor - 12 hours

or

#### Second Business Major - 15-21 hours

or

**Non-business Minor - 18-24 hours**

see specific academic area

**Minimum Total Semester Hours**

|   |         |
|---|---------|
| With College of Business upper-level elective | 120     |
| With Business Specialization                  | 120     |
| With Business Area Minor                      | 120     |
| With Second Business Area Major               | 120-130 |

**BUSINESS ADMINISTRATION (BA)**

124 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
31 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 60 hours**

Bachelor of Arts Degree - Academic Core (p. 86)

**Business Area Major – 36 hours**

|           |   |   |
|-----------|---|---|
| BADM 1301 | Introduction to Business                      | 3 |
| BCIS 1301 | Information Systems for Business Impact       | 3 |
| BACC 2310 | Survey of Accounting                          | 3 |
| BECO 2310 | Principles of Economics                       | 3 |
| BQBA 2301 | Introduction to Quantitative Methods          | 3 |
| BADM 3311 | Global Competition and International Business | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLAW 2311 | Business Law                                  | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BADM 4090 | Practical Experience                          | 0 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

**BUSINESS ADMINISTRATION (BS)**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core –46 hours**

Bachelor of Science Degree - Academic Core (p. 91)

Students may also select the Bachelor of Science Global Emphasis Foreign Language by taking an additional eight hours in Foreign Language or a Bachelor of Science Global Emphasis Study Abroad by taking an additional three hours in a Study Abroad component.

**Business Area Major – 36 hours**

|           |   |   |
|-----------|---|---|
| BADM 1301 | Introduction to Business                      | 3 |
| BCIS 1301 | Information Systems for Business Impact       | 3 |
| BACC 2310 | Survey of Accounting                          | 3 |
| BECO 2310 | Principles of Economics                       | 3 |
| BQBA 2301 | Introduction to Quantitative Methods          | 3 |
| BADM 3311 | Global Competition and International Business | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLAW 2311 | Business Law                                  | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BADM 4090 | Practical Experience                          | 0 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

BADM 4090: fulfills the Research Methods/Internship block in the UMHB Core Curriculum

**BUSINESS ADMINISTRATION MINOR****DEGREE REQUIREMENTS****Required Courses – 24 hours**

6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| BADM 1301 | Introduction to Business                    | 3 |
| BADM 2311 | Personal Financial Planning                 | 3 |
| BCIS 1301 | Information Systems for Business Impact     | 3 |
| BLDR 3350 | Christian Principles in Business Leadership | 3 |
| BACC 2310 | Survey of Accounting                        | 3 |
| BECO 2310 | Principles of Economics                     | 3 |
| BMGT 3310 | Fundamentals of Management                  | 3 |
| BMKT 3311 | Principles of Marketing                     | 3 |

## BUSINESS ADMINISTRATION EMPHASIS

Students not pursuing a major or minor in the McLane College of Business may pursue a 12-hour Business Administration Emphasis. The emphasis may be helpful to students who are not business majors or minors but who intend to pursue careers in the business sector after graduation. Non-business students who do not intend to pursue careers in the business sector could also benefit from the emphasis because it evidences a greater familiarity with the administrative (or “business”) functions of education, charitable, governmental, scientific, and other non-business enterprises.

### DEGREE REQUIREMENTS

#### Required Courses-12 hours

|           |                            |   |
|-----------|----------------------------|---|
| BADM 1301 | Introduction to Business   | 3 |
| BACC 2310 | Survey of Accounting       | 3 |
| BECO 2310 | Principles of Economics    | 3 |
| BMGT 3310 | Fundamentals of Management | 3 |

A minimum grade of “C” must be received in each of the required courses.

The requirement for BADM 1301 for students to be in the freshman or sophomore class, and the prerequisite for BACC 2310 to have received a “C” or better in BCIS 1301, will both be waived for students not pursuing a major or minor in the McLane College of Business.

### Specializations

#### GLOBAL COMMERCE SPECIALIZATION

Students pursuing any major in the McLane College of Business will find that a specialization in global commerce will complement their education and professional opportunities. Students may earn a specialization in global

commerce by taking any three global or international courses in the McLane College of Business in addition to BADM 3311 which is required of all BBA students.

#### ENTERPRISE RESOURCE PLANNING USING SAP SPECIALIZATION

Students pursuing any major in the McLane College of Business will find that a specialization in ERP using SAP will complement their education and professional opportunities. This 9-hour specialization will provide the potential for students to earn certification in SAP. Students may earn this specialization by taking BCIS 4341 – Business Processes, and two of the following: BSYS 4325 – Business Analytics and ERP, BSYS 4330 – Supply Chain Management and ERP, or BSYS 4335 – Enterprise Architecture and ERP. For more information, please contact the BCIS Program Director.

### Minors

#### SOCIAL ENTERPRISES B.S. MINOR

#### DEGREE REQUIREMENTS

##### Required Courses 18 hours

##### Select one of the following two courses:

|           |                             |   |
|-----------|-----------------------------|---|
| BADM 3351 | Culture and Global Business | 3 |
| BADM 4312 | Global Business as Mission  | 3 |

##### Choose Five Courses From the Following:

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 3325 | Global Impact Enterprise                      | 3 |
| BADM 4320 | Global Social Enterprise                      | 3 |
| BENT 4351 | Managing the Entrepreneurial Family Business  | 3 |
| BENT 4360 | International Entrepreneurship                | 3 |
| BMGT 3345 | Nonprofit Management                          | 3 |
| BMKT 3310 | Service Based Marketing                       | 3 |

#### SOCIAL ENTERPRISES B.B.A. MINOR

#### DEGREE REQUIREMENTS

##### Required Courses 12 hours

##### Choose One From the Following:

|           |                             |   |
|-----------|-----------------------------|---|
| BADM 3351 | Culture and Global Business | 3 |
|-----------|-----------------------------|---|

|              |                            |   |
|--------------|----------------------------|---|
| BADM<br>4312 | Global Business as Mission | 3 |
|--------------|----------------------------|---|

**Choose One From the Following:**

|              |                          |   |
|--------------|--------------------------|---|
| BADM<br>3325 | Global Impact Enterprise | 3 |
| BADM<br>4320 | Global Social Enterprise | 3 |

**Select two of the following four courses:**

|              |  |   |
|--------------|--|---|
| BMGT<br>3345 | Nonprofit Management                         | 3 |
| BMKT<br>4370 | Mission Based Marketing                      | 3 |
| BENT 4351    | Managing the Entrepreneurial Family Business | 3 |
| BENT 4360    | International Entrepreneurship               | 3 |

**SOCIAL ENTERPRISES B.A. MINOR****DEGREE REQUIREMENTS****Required Courses 18 hours****Select one of the following two courses:**

|              |                             |   |
|--------------|-----------------------------|---|
| BADM<br>3351 | Culture and Global Business | 3 |
| BADM<br>4312 | Global Business as Mission  | 3 |

**Choose Five Courses From the Following:**

|              |   |   |
|--------------|---|---|
| BADM<br>3311 | Global Competition and International Business | 3 |
| BADM<br>3325 | Global Impact Enterprise                      | 3 |
| BADM<br>4320 | Global Social Enterprise                      | 3 |
| BENT 4351    | Managing the Entrepreneurial Family Business  | 3 |
| BENT 4360    | International Entrepreneurship                | 3 |
| BMGT<br>3345 | Nonprofit Management                          | 3 |
| BMKT<br>3310 | Service Based Marketing                       | 3 |

**Accounting, Economics and Finance Department****ACCOUNTING B.B.A.**

A 21-hour B.B.A. major (beyond the 3 hours of Accounting required in the Business Foundation) is available. The 21-hour B.B.A. major is preparation for careers in accounting. Students wishing to pursue CPA certification must complete the 21-hour B.B.A. major, take an additional 6 hours in accounting as business electives and complete the M.S.A. program requirements outlined in the UMHB graduate catalog.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core - 40 hours**

see Bachelor of Business Administration Degree Academic Core

**Professional Business Foundation – 24 hours**

|              |   |   |
|--------------|---|---|
| BACC 2310    | Survey of Accounting                    | 3 |
| BADM<br>1301 | Introduction to Business                | 3 |
| BADM<br>2311 | Personal Financial Planning             | 3 |
| BCIS 1301    | Information Systems for Business Impact | 3 |
| BECO 2310    | Principles of Economics                 | 3 |
| BLAW<br>2311 | Business Law                            | 3 |
| BQBA 2301    | Introduction to Quantitative Methods    | 3 |
| BQBA 2302    | Business Data Analysis                  | 3 |

*BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum*

**Professional Business Core – 27 hours**

|              |   |   |
|--------------|---|---|
| BADM<br>3311 | Global Competition and International Business | 3 |
| BADM<br>4090 | Practical Experience                          | 0 |
| BADM<br>4341 | Business Ethics                               | 3 |
| BFIN 3311    | Principles of Finance                         | 3 |
| BLDR 3350    | Christian Principles in Business Leadership   | 3 |
| BMGT<br>3310 | Fundamentals of Management                    | 3 |
| BMGT<br>4349 | Strategic Management & Policy                 | 3 |
| BMKT<br>3311 | Principles of Marketing                       | 3 |
| BCIS 3312    | Management Information Systems                | 3 |
| BSYS 3325    | Production Operations Management              | 3 |

BADM 3311: fulfills the Global Issues/Social Science block in the UMHB Core Curriculum

BSYS 3312: Accounting students may substitute BACC 3329 Accounting Information Systems

BADM 4341: CPA Track Accounting students **must** substitute BACC 4350 Ethics for Accountants because of Texas State Board requirements.

**B.B.A. Accounting Major Required Courses –21 hours**

15 hours (6 upper level) at UMHB

15 hours minimum upper level

|           |   |   |
|-----------|---|---|
| BACC 3321 | Intermediate Accounting I                     | 3 |
| BACC 3322 | Intermediate Accounting II                    | 3 |
| BACC 3333 | Intermediate Accounting III                   | 3 |
| BACC 3324 | Federal Income Taxation for Individuals       | 3 |
| BACC 3325 | Federal Income Taxation for Business Entities | 3 |
| BACC 4323 | Cost Accounting                               | 3 |
| BACC 4331 | Auditing I                                    | 3 |

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experience.

**Business Electives - 3 hours upper level**  
or

**Business Specialization - 9 hours**  
or

**Business Area Minor - 12 hours**  
or

**Second Business Major - 15 hours**  
or

**Non-business Minor - 18-24 hours**

### **SUGGESTED SCHEDULE FOR B.B.A. ACCOUNTING MAJOR:**

**Freshman Fall**

|           |                            |   |
|-----------|----------------------------|---|
| COMM 1320 | Public Speaking            | 3 |
| BADM 1301 | Introduction to Business   | 3 |
| CSBS 1311 | Engaging the Old Testament | 3 |
| MATH 1306 | College Algebra            | 3 |
| UMHB 1002 | Fine Arts Chapel           | 0 |
| UMHB 1101 | Freshman Seminar           | 1 |
| UMHB 1005 | Fine Arts Experience       | 0 |

**Freshman Spring**

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| ENGL 1321 | Rhetoric & Composition I                | 3 |
| CSBS 1312 | Engaging the New Testament              | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
|           | Lab Science                             | 4 |
| UMHB 1002 | Chapel                                  | 0 |

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

**Sophomore Fall**

|           |                                       |   |
|-----------|---------------------------------------|---|
| BACC 2310 | Survey of Accounting                  | 3 |
| BQBA 2301 | Introduction to Quantitative Methods  | 3 |
| BADM 2311 | Personal Financial Planning           | 3 |
|           | Scientific Inquiry or Natural Science | 3 |
| ENGL 1322 | Rhetoric & Composition II             | 3 |
| EXAC      | Activity Course                       | 1 |
| UMHB 1002 | Chapel                                | 0 |

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

**Sophomore Spring**

|           |                           |   |
|-----------|---------------------------|---|
| ENGL      | Literature                | 3 |
| BQBA 2302 | Business Data Analysis    | 3 |
| BLAW 2311 | Business Law              | 3 |
|           | Social Science            | 3 |
| BACC 3321 | Intermediate Accounting I | 3 |
| UMHB 1002 | Chapel                    | 0 |
| UMHB 1005 | Fine Arts Experience      | 0 |

**Junior Fall**

|           |   |   |
|-----------|---|---|
| BACC 3322 | Intermediate Accounting II                  | 3 |
| BACC 3324 | Federal Income Taxation for Individuals     | 3 |
| BLDR 3350 | Christian Principles in Business Leadership | 3 |
| BMGT 3310 | Fundamentals of Management                  | 3 |
|           | World Ideas                                 | 3 |
| UMHB 1005 | Fine Arts Experience                        | 0 |

**Junior Spring**

|           |   |   |
|-----------|---|---|
| BACC 3333 | Intermediate Accounting III                   | 3 |
| BACC 3325 | Federal Income Taxation for Business Entities | 3 |
| BACC 3329 | Accounting Information Systems                | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
|           | Elective                                      | 1 |
| EXAC      | Activity Course                               | 1 |
| UMHB 1005 | Fine Arts Experience                          | 0 |

**Senior Fall**

|           |                       |   |
|-----------|-----------------------|---|
| BACC 4323 | Cost Accounting       | 3 |
| BACC 4331 | Auditing I            | 3 |
| BFIN 3311 | Principles of Finance | 3 |



|                      |  |   |
|----------------------|--|---|
| BADM 3311            | Global Competition and International Business Elective | 3 |
| UMHB 1005            | Fine Arts Experience                                   | 0 |
| <b>Senior Spring</b> |  |   |
| BACC 4350            | Ethics for Accountants                                 | 3 |
| BMGT 4349            | Strategic Management & Policy                          | 3 |
| BSYS 3325            | Production Operations Management                       | 3 |
|                      | Upper Level Business Elective                          | 3 |
|                      | Elective   | 3 |
| BADM 4090            | Practical Experience                                   | 0 |
| UMHB 1005            | Fine Arts Experience                                   | 0 |

## ECONOMICS B.B.A.

A 15-hour B.B.A. major (beyond the 3 hours of Economics required in the Business Foundation), a 12-hour B.B.A. minor, or an 18 hour B.A./B.S. minor is available. This major is preparation for careers in banking, global commerce, government services, corporate business, and to prepare for graduate school.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core - 40 hours

see Bachelor of Business Administration Degree Academic Core

### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
|-----------|---|---|

|           |   |   |
|-----------|---|---|
| BADM 4090 | Practical Experience                        | 0 |
| BADM 4341 | Business Ethics                             | 3 |
| BFIN 3311 | Principles of Finance                       | 3 |
| BMGT 3310 | Fundamentals of Management                  | 3 |
| BMGT 4349 | Strategic Management & Policy               | 3 |
| BMKT 3311 | Principles of Marketing                     | 3 |
| BCIS 3312 | Management Information Systems              | 3 |
| BSYS 3325 | Production Operations Management            | 3 |
| BLDR 3350 | Christian Principles in Business Leadership | 3 |

### B.B.A. Economics Major Required Courses – 15 hours

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |                                   |   |
|-----------|-----------------------------------|---|
| BECO 3320 | Intermediate Macroeconomic Theory | 3 |
| BECO 3321 | Intermediate Microeconomic Theory | 3 |
| BECO 3312 | Money and Banking                 | 3 |
| BECO 4350 | History of Economic Thought and   | 3 |
| BECO 4370 | International Economics or        | 3 |
| POLS 4318 | International Political Economics | 3 |

A 2.50 GPA is required in the major for graduation.

BADM 4090: 300 hours of practical work experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, or volunteer work.

### Business Electives - 3 hours upper level or

### Business Specialization - 9 hours or

### Business Area Minor - 12 hours or

### Second Business Major - 15-21 hours or

### Non-business Minor - 18-24 hours

## SUGGESTED SCHEDULE FOR B.B.A. ECONOMICS MAJOR:

### Freshman Fall

|           |                          |   |
|-----------|--------------------------|---|
| BADM 1301 | Introduction to Business | 3 |
|           | Fine Arts                |   |
| ENGL 1321 | Rhetoric & Composition I | 3 |

|                         |   |   |                             |   |   |
|-------------------------|---|---|-----------------------------|---|---|
| BCIS 1301               | Information Systems for Business Impact     | 3 | BMKT 3311                   | Principles of Marketing                       | 3 |
| CSBS 1311               | Engaging the Old Testament                  | 3 | BCIS 3312                   | Management Information Systems                | 3 |
| UMHB 1002               | Chapel                                      | 0 | UMHB 1005                   | Fine Arts Experience                          | 0 |
| UMHB 1101               | Freshman Seminar                            | 1 | <b>Junior Spring</b>        |   |   |
| UMHB 1005               | Fine Arts Experience                        | 0 |                             | Social Science (Different than above)         | 3 |
| <b>Freshman Spring</b>  |   |   | BECO 3321                   | Intermediate Microeconomic Theory             | 3 |
|                         | World Ideas or Philosophy or Non-US History | 3 | BSYS 3325                   | Production Operations Management              | 3 |
| ENGL 1322               | Rhetoric & Composition II                   | 3 | BLDR 3350                   | Christian Principles in Business Leadership   | 3 |
| EXAC                    | Activity Course                             | 1 |                             | Upper Level Business Elective                 | 3 |
| CSBS 1312               | Engaging the New Testament                  | 3 | UMHB 1005                   | Fine Arts Experience                          | 0 |
| MATH 1306               | College Algebra                             | 3 | <b>Senior Fall</b>          |   |   |
|                         | Elective                                    | 3 | BADM 3311                   | Global Competition and International Business | 3 |
| UMHB 1002               | Chapel                                      | 0 | BECO 3312                   | Money and Banking                             | 3 |
| UMHB 1005               | Fine Arts Experience                        | 0 | BADM 4341                   | Business Ethics                               | 3 |
| <b>Sophomore Fall</b>   |   |   | BECO 4350                   | History of Economic Thought                   | 3 |
| BACC 2310               | Survey of Accounting                        | 3 |                             | Elective                                      | 3 |
| BECO 2310               | Principles of Economics                     | 3 | BADM 4090                   | Practical Experience                          | 0 |
| BQBA 2301               | Introduction to Quantitative Methods        | 3 | UMHB 1005                   | Fine Arts Experience                          | 0 |
| COMM 1320               | Public Speaking                             | 3 | <b>Senior Spring</b>        |   |   |
| ENGL                    | Literature                                  | 3 | BMGT 4349                   | Strategic Management & Policy                 | 3 |
| UMHB 1002               | Chapel                                      | 0 | BECO 4370                   | International Economics                       | 3 |
| UMHB 1005               | Fine Arts Experience                        | 0 |                             | or  |   |
| <b>Sophomore Spring</b> |   |   | POLS 4318                   | International Political Economics             | 3 |
| BADM 2311               | Personal Financial Planning                 | 3 |                             | Lab Science                                   | 4 |
| BQBA 2302               | Business Data Analysis                      | 3 |                             | Elective                                      | 3 |
| BLAW 2311               | Business Law                                | 3 | UMHB 1005                   | Fine Arts Experience                          | 0 |
|                         | Social Science                              |   | <b>ECONOMICS BBA MINOR</b>  |   |   |
|                         | Scientific Inquiry or Natural Science       | 3 | <b>DEGREE REQUIREMENTS</b>  |   |   |
| EXAC                    | Activity Course                             | 1 | <b>Required Courses</b>     |   |   |
| UMHB 1002               | Chapel                                      | 0 | 6 hours upper-level at UMHB |   |   |
| UMHB 1005               | Fine Arts Experience                        | 0 | BECO 3320                   | Intermediate Macroeconomic Theory             | 3 |
| <b>Junior Fall</b>      |   |   | BECO 3321                   | Intermediate Microeconomic Theory             | 3 |
| BFIN 3311               | Principles of Finance                       | 3 | BECO 4350                   | History of Economic Thought                   | 3 |
| BECO 3320               | Intermediate Macroeconomic Theory           | 3 | BECO 4370                   | International Economics                       | 3 |
| BMGT 3310               | Fundamentals of Management                  | 3 |                             | or  |   |
|                         |   |   | POLS 4318                   | International Political Economics             | 3 |

## ECONOMICS MINOR

Students in any major field may earn a minor (18 semester hours) in Economics. Political Science, History and Business majors should consider the minor in Economics. Students planning on attending graduate school should consider the minor in Economics.

### DEGREE REQUIREMENTS

#### Required Courses:

6 hours upper level at UMHB

|           |                                   |   |
|-----------|-----------------------------------|---|
| BECO 2310 | Principles of Economics           | 3 |
| BECO 3312 | Money and Banking                 | 3 |
| BECO 3320 | Intermediate Macroeconomic Theory | 3 |
| BECO 3321 | Intermediate Microeconomic Theory | 3 |
| BECO 4350 | History of Economic Thought and   | 3 |
| BECO 4370 | International Economics           | 3 |
| POLS 4318 | International Political Economics | 3 |

## FINANCE B.B.A.

A 15-hour B.B.A. major and a 12 hour B.B.A. minor are available. This major is preparation for careers in banking, investments, corporate finance, insurance, and real estate.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

### DEGREE REQUIREMENT

#### Academic Core – 40 hours

see Bachelor of Business Administration Degree Academic Core

#### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

#### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |

BADM 3311 fulfills the Global Issues/ Social Science block in the UMHB Core Curriculum

#### B.B.A. Finance Major Required Courses – 15 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                                  |   |
|-----------|----------------------------------|---|
| BFIN 3333 | Corporate Finance                | 3 |
| BFIN 3334 | Working Capital Management       | 3 |
| BFIN 4331 | Investment Analysis and Planning | 3 |

#### Six hours from the following:

|           |  |   |
|-----------|--|---|
| BFIN 3312 | Money & Banking                                  | 3 |
| BFIN 3324 | Insurance Planning and Financial Risk Management | 3 |
| BFIN 4341 | Financial Statement Analysis                     | 3 |
| BFIN 4344 | Portfolio Management                             | 3 |
| BFIN 4345 | International Financial Management               | 3 |

A 2.50 GPA is required in the major for graduation.

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

#### Business Electives - 3 hours upper level

or

#### Business Specialization - 9 hours

or

#### Business Area Minor - 12 hours

or

#### Second Business Major - 15-21 hours

or

**Non-business Minor - 18-24 hours****SUGGESTED SCHEDULE FOR B.B.A. FINANCE MAJOR****Freshman Fall**

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| ENGL 1321 | Rhetoric & Composition I                | 3 |
| MATH 1306 | College Algebra                         | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| CSBS 1311 | Engaging the Old Testament              | 3 |
| UMHB 1002 | Chapel                                  | 0 |
| UMHB 1101 | Freshman Seminar                        | 1 |
| UMHB 1005 | Fine Arts Experience                    | 0 |

**Freshman Spring**

|           |                                      |   |
|-----------|--------------------------------------|---|
| BECO 2310 | Principles of Economics              | 3 |
| ENGL 1322 | Rhetoric & Composition II            | 3 |
| COMM 1320 | Public Speaking                      | 3 |
| BQBA 2301 | Introduction to Quantitative Methods | 3 |
| CSBS 1312 | Engaging the New Testament           | 3 |
| EXAC      | Activity Course                      | 1 |
| UMHB 1002 | Chapel                               | 0 |
| UMHB 1005 | Fine Arts Experience                 | 0 |

**Sophomore Fall**

|           |                             |   |
|-----------|-----------------------------|---|
| BACC 2310 | Survey of Accounting        | 3 |
| BADM 2311 | Personal Financial Planning | 3 |
| BLAW 2311 | Business Law                | 3 |
|           | Scientific Inquiry          | 3 |
| EXAC      | Activity Course             | 1 |
|           | Elective                    | 3 |
| UMHB 1002 | Chapel                      | 0 |
| UMHB 1005 | Fine Arts Experience        | 0 |

**Sophomore Spring**

|           |                                |   |
|-----------|--------------------------------|---|
| BQBA 2302 | Business Data Analysis         | 3 |
| BCIS 3312 | Management Information Systems | 3 |
| ENGL      | Literature                     | 3 |
|           | Elective                       | 3 |
| EXAC      | Activity Course                | 1 |
|           | Lab Science                    | 4 |
| UMHB 1002 | Chapel                         | 0 |

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

**Junior Fall**

|           |                                  |   |
|-----------|----------------------------------|---|
|           | Social Science                   | 3 |
| BFIN 3311 | Principles of Finance            | 3 |
| BMGT 3310 | Fundamentals of Management       | 3 |
| BSYS 3325 | Production Operations Management | 3 |
|           | Fine Arts                        | 3 |
| UMHB 1005 | Fine Arts Experience             | 0 |

**Junior Spring**

|           |   |   |
|-----------|---|---|
| BFIN 3333 | Corporate Finance                             | 3 |
| BADM 3311 | Global Competition and International Business | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| UMHB 1005 | Fine Arts Experience                          | 0 |

**Senior Fall**

|           |                                  |   |
|-----------|----------------------------------|---|
| BADM 4341 | Business Ethics                  | 3 |
| BFIN 3334 | Working Capital Management       | 3 |
| BFIN 4331 | Investment Analysis and Planning | 3 |
|           | Elective                         | 3 |
|           | Upper Business Elective          | 3 |
| UMHB 1005 | Fine Arts Experience             | 0 |

**Senior Spring**

|           |                               |   |
|-----------|-------------------------------|---|
| BMGT 4349 | Strategic Management & Policy | 3 |
| BADM 4090 | Practical Experience          | 0 |
|           | Major Course                  | 3 |
|           | Major Course                  | 3 |
|           | Elective                      | 1 |
|           | Elective                      | 1 |
| UMHB 1005 | Fine Arts Experience          | 0 |

**FINANCE BBA MINOR**

Students in any major field may earn a minor (12 semester hours) in Finance. A Finance minor allows students to be better familiarized with financial theory and its application in business.

## DEGREE REQUIREMENTS

### Required Courses:

Pick 12 hours from the courses listed below. Six hours must be completed at UMHB.

|           |  |   |
|-----------|--|---|
| BFIN 3324 | Insurance Planning and Financial Risk Management | 3 |
| BFIN 3333 | Corporate Finance                                | 3 |
| BFIN 3334 | Working Capital Management                       | 3 |
| BFIN 4331 | Investment Analysis and Planning                 | 3 |
| BFIN 4341 | Financial Statement Analysis                     | 3 |
| BFIN 4344 | Portfolio Management                             | 3 |
| BFIN 4345 | International Financial Management               | 3 |

## Business Computer Information Systems

The objective of the Business Computer Information Systems Program in the McLane College of Business is to motivate and prepare students to develop their potential for excellence in Business Computer Information Systems fields. This is accomplished through experienced faculty and a curriculum that gives the student a broad education in the fundamental principles and applied techniques of the discipline. The ultimate goal of the program is to prepare information technology and systems professionals in business, industry, and government.

Five separate areas of study are available within this program: B.B.A. in Business Computer Information Systems; B.B.A. in Multimedia & Information Technology, B.B.A. in Supply Chain Management, B.A. in Multimedia & Information Technology, or B.S. in Multimedia & Information Technology. A minor in Business Computer Information Systems as well as in Multimedia & Information Technology are also available.

Students must have a 2.5 GPA in their major field in order to fulfill graduation requirements for the B.B.A., the B.A., and the B.S..

No grade lower than "C" will count toward fulfillment of B.A. or B.S. major field requirements.

## BUSINESS COMPUTER INFORMATION SYSTEMS B.B.A.

A 15-hour major or 12-hour B.B.A. minor (beyond the 3 hours of BCIS required in the Business Foundation and the 3 hours of BSYS and the 3 hours of BCIS required in the Business Core) is available. The major is preparation for individuals who plan to pursue careers as business computer information systems professionals, including business analysts, system developers, web site developers, network analysts, and systems managers.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core – 40 hours

see Bachelor of Business Administration Degree Academic Core

### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4341 | Business Ethics                               | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |
| BADM 4090 | Practical Experience                          | 0 |

### B.B.A. Business Computer Information Systems Major Required Courses – 15 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                                    |   |
|-----------|------------------------------------|---|
| BCIS 2330 | Fundamentals of Programming        | 3 |
| BCIS 3320 | Database Administration            | 3 |
| BCIS 3325 | Systems Analysis and Design        | 3 |
| BCIS 4345 | IT Security and Networking         | 3 |
| BCIS 4370 | IS Management and Capstone Project | 3 |

A 2.50 GPA is required in the major for graduation.

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid internships or volunteer work, apprenticeships, international experiences, or co-op experiences.

**Business Electives - 3 hours upper level**

or

**Business Specialization - 9 hours**

or

**Business Area Minor - 12 hours**

or

**Second Business Major - 15-21 hours**

or

**Non-business Minor - 18-24 hours**

**SUGGESTED SCHEDULE FOR B.B.A. BUSINESS COMPUTER INFORMATION SYSTEMS MAJOR:**

**Freshman Fall**

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| ENGL 1321 | Rhetoric & Composition I                | 3 |
| MATH 1306 | College Algebra                         | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| CSBS 1311 | Engaging the Old Testament              | 3 |
| UMHB 1101 | Freshman Seminar                        | 1 |
| UMHB 1002 | Chapel                                  | 0 |
| UMHB 1005 | Fine Arts Experience                    | 0 |

**Freshman Spring**

|           |                                      |   |
|-----------|--------------------------------------|---|
| BECO 2310 | Principles of Economics              | 3 |
| ENGL 1322 | Rhetoric & Composition II            | 3 |
| COMM 1320 | Public Speaking                      | 3 |
| BQBA 2301 | Introduction to Quantitative Methods | 3 |
|           | Elective                             | 3 |
| EXAC      | Activity Course                      | 1 |
| UMHB 1002 | Chapel                               | 0 |
| UMHB 1005 | Fine Arts Experience                 | 0 |

**Sophomore Fall**

|           |                             |   |
|-----------|-----------------------------|---|
| BACC 2310 | Survey of Accounting        | 3 |
| BCIS 2330 | Fundamentals of Programming | 3 |
| BLAW 2311 | Business Law                | 3 |
| CSBS 1312 | Engaging the New Testament  | 3 |

|           |                                       |   |
|-----------|---------------------------------------|---|
| EXAC      | Activity Course                       | 1 |
|           | Scientific Inquiry or Natural Science | 3 |
| UMHB 1005 | Fine Arts Experience                  | 0 |
| UMHB 1002 | Chapel                                | 0 |

**Sophomore Spring**

|           |                                |   |
|-----------|--------------------------------|---|
| BQBA 2302 | Business Data Analysis         | 3 |
| BCIS 3312 | Management Information Systems | 3 |
|           | Social Science                 | 3 |
| ENGL      | Literature                     | 3 |
|           | Lab Science                    | 4 |
| UMHB 1005 | Fine Arts Experience           | 0 |
| UMHB 1002 | Chapel                         | 0 |

**Junior Fall**

|           |   |   |
|-----------|---|---|
| BMGT 3310 | Fundamentals of Management                  | 3 |
| BCIS 3325 | Systems Analysis and Design                 | 3 |
| BLDR 3350 | Christian Principles in Business Leadership | 3 |
| BADM 2311 | Personal Financial Planning                 | 3 |
|           | Fine Arts Elective                          | 3 |
| UMHB 1005 | Fine Arts Experience                        | 0 |

**Junior Spring**

|           |                                       |   |
|-----------|---------------------------------------|---|
| BCIS 3320 | Database Administration               | 3 |
| BFIN 3311 | Principles of Finance                 | 3 |
| BSYS 3325 | Production Operations Management      | 3 |
| BMKT 3311 | Principles of Marketing               | 3 |
|           | World Ideas/Philosophy/Non-US History | 3 |
| UMHB 1005 | Fine Arts Experience                  | 0 |

**Senior Fall**

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BCIS 4345 | IT Security and Networking                    | 3 |
|           | Upper Level Business Elective                 | 3 |
|           | Elective                                      | 3 |
| UMHB 1005 | Fine Arts Experience                          | 0 |

**Senior Spring**

|           |                 |   |
|-----------|-----------------|---|
| BADM 4341 | Business Ethics | 3 |
|-----------|-----------------|---|

|           |                                    |   |
|-----------|------------------------------------|---|
| BCIS 4370 | IS Management and Capstone Project | 3 |
| BMGT 4349 | Strategic Management & Policy      | 3 |
| BADM 4090 | Practical Experience               | 0 |
|           | Elective                           | 3 |
|           | Elective                           | 3 |
| UMHB 1005 | Fine Arts Experience               | 0 |

## BUSINESS COMPUTER INFORMATION SYSTEMS B.A./B.S. MINOR

### DEGREE REQUIREMENTS

#### Required Courses:

18 hours required. 6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BCIS 2330 | Fundamentals of Programming             | 3 |
| BCIS 3320 | Database Administration                 | 3 |
| BCIS 3325 | Systems Analysis and Design             | 3 |
| BCIS 4345 | IT Security and Networking              | 3 |
| BCIS 4370 | IS Management and Capstone Project      | 3 |

Students majoring in Business Computer Information Systems cannot take this Minor. Students pursuing a BBA degree should refer to the Business Computer Information Systems B.B.A. Minor for requirements. Students must earn a "C" or better in each course in this minor.

## BUSINESS COMPUTER INFORMATION SYSTEMS B.B.A. MINOR

### DEGREE REQUIREMENTS

#### Required Courses:

6 hours upper level at UMHB

|           |                                    |   |
|-----------|------------------------------------|---|
| BCIS 2330 | Fundamentals of Programming        | 3 |
| BCIS 3320 | Database Administration            | 3 |
| BCIS 3325 | Systems Analysis and Design        | 3 |
| BCIS 4370 | IS Management and Capstone Project | 3 |

## SUPPLY CHAIN MANAGEMENT B.B.A.

A 15-hour BBA major and 12-hour B.B.A. minor (beyond the 3 hours of BCIS required in the Business Foundation and the 3 hours of BSYS and 3 hours of BCIS required in the Business Core) are available. The major is preparation for individuals who plan to pursue careers in the fields of logistics, distribution, or supply chain management.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 40 hours

see Bachelor of Business Administration Degree Academic Core

#### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

#### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4341 | Business Ethics                               | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |
| BADM 4090 | Practical Experience                          | 0 |

#### B.B.A. Supply Chain Management Major Required Courses – 15 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| BSYS 3315 | Introduction to Supply Chain Management | 3 |
| BSYS 3355 | Distribution and Inventory Management   | 3 |
| BSYS 3385 | Purchasing and Procurement              | 3 |

|           |  |   |
|-----------|--|---|
| BSYS 4330 | Supply Chain Management with ERP             | 3 |
| BSYS 4370 | Supply Chain Management and Capstone Project | 3 |

A 2.50 GPA is required in the major for graduation.

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid internships or volunteer work, apprenticeships, international experiences, or co-op experiences.

**Business Electives - 3 hours upper level**  
or

**Business Specialization - 9 hours**  
or

**Business Area Minor - 12 hours**  
or

**Second Business Major - 15-21 hours**  
or

**Non-business Minor - 18-24 hours**

## SUPPLY CHAIN MANAGEMENT B.B.A. MINOR

### DEGREE REQUIREMENTS

#### Required Courses:

6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| BSYS 3315 | Introduction to Supply Chain Management | 3 |
| BSYS 3355 | Distribution and Inventory Management   | 3 |
| BSYS 3385 | Purchasing and Procurement              | 3 |
| BSYS 4330 | Supply Chain Management with ERP        | 3 |

Note: Students majoring in Supply Chain Management cannot take this Minor. Students must earn a "C" or better in each course in this minor.

## Multimedia and Information Technology Major Requirements

To receive a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree in Multimedia & Information Technology, a student must complete a minimum of 120 semester hours, to include the requirements for the B.A. degree or for the B.S. degree.

A 15-hour major on the Bachelor of Business Administration (B.B.A.) is also available. This major is preparation for individuals who plan to pursue technical, E-Commerce, and management careers in commercial graphics, multimedia design/development, and information technology.

## MULTIMEDIA AND INFORMATION TECHNOLOGY B.B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core - 40 hours

see Bachelor of Business Administration Degree - Academic Core (p. 87)

#### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 of the 6 hours of Social Science in the UMHB Core Curriculum

#### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |

#### B.B.A. MMIT Major Required Courses – 15 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                                 |   |
|-----------|---------------------------------|---|
| BCIS 2318 | Introduction to Web Site Design | 3 |
|-----------|---------------------------------|---|



|           |                                    |   |
|-----------|------------------------------------|---|
| BCIS 3311 | Social Media                       | 3 |
| BCIS 3335 | Digital Video Editing              | 3 |
| BCIS 3370 | Computer 3D Modeling               | 3 |
| BCIS 4370 | IS Management and Capstone Project | 3 |

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

No grade lower than "C" will count toward fulfillment of Multimedia & Information Technology major requirements.

Students must have a 2.5 GPA in their major field in order to complete the fulfillment of the major requirements for graduation.

#### **Business Electives - 3 hours upper level**

or

#### **Business Specialization - 9 hours**

or

#### **Business Area Minor - 12 hours**

or

#### **Second Business Major - 15-21 hours**

or

#### **Non-business Minor - 18-24 hours**

### **MULTIMEDIA AND INFORMATION TECHNOLOGY B.A.**

A 36-hour major for those interested in commercial graphics and multimedia design/development.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

#### **DEGREE REQUIREMENTS**

##### **Academic Core – 60 hours**

see Bachelor of Arts Academic Core

##### **B.A. Multimedia and Information Technology Major Required Courses – 36 hours**

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| BADM 4090 | Practical Experience                    | 0 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BCIS 2318 | Introduction to Web Site Design         | 3 |
| BCIS 2330 | Fundamentals of Programming             | 3 |
| BCIS 3311 | Social Media                            | 3 |
| BCIS 3325 | Systems Analysis and Design             | 3 |
| BCIS 3335 | Digital Video Editing                   | 3 |
| BCIS 3340 | Introduction to E-Commerce              | 3 |

|           |                              |   |
|-----------|------------------------------|---|
| BCIS 3350 | Desktop & Digital Publishing | 3 |
| BCIS 3370 | Computer 3D Modeling         | 3 |
| BCIS 4315 | Interactive Multimedia       | 3 |

BADM 4090: 300 hours of practical work experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

#### **Pick one of the following**

|           |                                    |   |
|-----------|------------------------------------|---|
| BCIS 4370 | IS Management and Capstone Project | 3 |
| BCIS 4395 | Internship in BCIS                 | 3 |

#### **Pick one of the following**

|           |                                      |   |
|-----------|--------------------------------------|---|
| BCIS 3375 | Computer 3D Animation                | 3 |
| BCIS 3320 | Database Administration              | 3 |
| BCIS 3318 | Intermediate Dynamic Web Site Design | 3 |

No grade lower than "C" will count toward fulfillment of Multimedia & Information Technology major requirements.

Students must have a 2.5 GPA in their major field in order to complete the fulfillment of the major requirements for graduation.

### **MULTIMEDIA AND INFORMATION TECHNOLOGY B.S.**

A 36-hour major for those interested in commercial graphics and multimedia design/development.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

#### **DEGREE REQUIREMENTS**

##### **Academic Core – 46 hours**

Bachelor of Science Degree - Academic Core (p. 91)

Students may also select the Bachelor of Science Global Emphasis Foreign Language by taking an additional eight hours in Foreign Language or a Bachelor of Science Global Emphasis Study Abroad by taking an additional three hours in a Study Abroad component.

##### **B.S. Multimedia and Information Technology Major Required Courses – 36 hours**

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BCIS 2318 | Introduction to Web Site Design         | 3 |
| BCIS 2330 | Fundamentals of Programming             | 3 |
| BCIS 3311 | Social Media                            | 3 |

|           |                              |   |
|-----------|------------------------------|---|
| BCIS 3325 | Systems Analysis and Design  | 3 |
| BCIS 3335 | Digital Video Editing        | 3 |
| BCIS 3340 | Introduction to E-Commerce   | 3 |
| BCIS 3350 | Desktop & Digital Publishing | 3 |
| BCIS 3370 | Computer 3D Modeling         | 3 |
| BCIS 4315 | Interactive Multimedia       | 3 |
| BADM 4090 | Practical Experience         | 0 |

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

**Pick one of the following**

|           |                                    |   |
|-----------|------------------------------------|---|
| BCIS 4370 | IS Management and Capstone Project | 3 |
| BCIS 4395 | Internship in BCIS                 | 3 |

**Pick one of the following**

|           |                                      |   |
|-----------|--------------------------------------|---|
| BCIS 3318 | Intermediate Dynamic Web Site Design | 3 |
| BCIS 3320 | Database Administration              | 3 |
| BCIS 3375 | Computer 3D Animation                | 3 |

No grade lower than "C" will count toward fulfillment of Multimedia & Information Technology major requirements.

Students must have a 2.5 GPA in their major field in order to complete the fulfillment of the major requirements for graduation.

## MULTIMEDIA AND INFORMATION TECHNOLOGY MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 18 hours

6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BCIS 2318 | Introduction to Web Site Design         | 3 |
| BCIS 3311 | Social Media                            | 3 |
| BCIS 3335 | Digital Video Editing                   | 3 |
| BCIS 3370 | Computer 3D Modeling                    | 3 |

**Pick one of the following courses:**

|           |                                      |   |
|-----------|--------------------------------------|---|
| BCIS 3318 | Intermediate Dynamic Web Site Design | 3 |
| BCIS 3350 | Desktop & Digital Publishing         | 3 |
| BCIS 3375 | Computer 3D Animation                | 3 |
| BCIS 4315 | Interactive Multimedia               | 3 |

NOTE: Students majoring in Multimedia & Information Technology may not take this minor.

Students pursuing a BBA will substitute an additional course from the list above for BCIS 1301.

Students must earn a "C" or better for courses in this minor.

## Management, Entrepreneurship and Marketing Department

### Entrepreneurship

### ENTREPRENEURSHIP & SMALL BUSINESS B.B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core - 40 hours

see Bachelor of Business Administration Degree Academic Core

#### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

#### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |

|           |                                  |   |
|-----------|----------------------------------|---|
| BMGT 3310 | Fundamentals of Management       | 3 |
| BMGT 4349 | Strategic Management & Policy    | 3 |
| BMKT 3311 | Principles of Marketing          | 3 |
| BCIS 3312 | Management Information Systems   | 3 |
| BSYS 3325 | Production Operations Management | 3 |

**B.B.A. Entrepreneurship and Small Business Major  
Required Courses – 15 hours**

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

**Choose Two of the Following**

|           |                                  |   |
|-----------|----------------------------------|---|
| BENT 3310 | Introduction to Entrepreneurship | 3 |
| BMGT 3334 | Team Management                  | 3 |
| BMGT 4322 | Small Business Management        | 3 |

**Choose Three of the Following**

|           |                                |   |
|-----------|--------------------------------|---|
| BACC 3327 | Small Business Accounting      | 3 |
| BADM 4312 | Global Business as Mission     | 3 |
| BADM 4320 | Global Social Enterprise       | 3 |
| BADM 4351 | Global Commerce                | 3 |
| BENT 4360 | International Entrepreneurship | 3 |
| BENT 4395 | Internship in Entrepreneurship | 3 |
| BLDR 3355 | Developing Personal Leadership | 3 |
| BMGT 3360 | Entrepreneurial Management     | 3 |

Other Small Business, Entrepreneurship, or related courses as approved by the program coordinator.

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

No grade lower than "C" will count toward fulfillment of Entrepreneurship & Small Business major requirements.

Students must have a 2.5 GPA in their major field in order to complete the fulfillment of the major requirements for graduation.

**Business Electives - 3 hours upper level**

or

**Business Specialization - 9 hours**

or

**Business Area Minor - 12 hours**

or

**Second Business Major - 15-21 hours**

or

**Non-business Minor - 18-24 hours**

**ENTREPRENEURSHIP AND SMALL  
BUSINESS B.B.A. MINOR**

**DEGREE REQUIREMENTS**

**Required Courses- 12 hours**

**Select Two of the Following**

|           |                                  |   |
|-----------|----------------------------------|---|
| BENT 3310 | Introduction to Entrepreneurship | 3 |
| BMGT 3334 | Team Management                  | 3 |
| BMGT 4322 | Small Business Management        | 3 |

**Select Two of the Following**

|           |  |   |
|-----------|--|---|
| BACC 3327 | Small Business Accounting                    | 3 |
| BADM 4312 | Global Business as Mission                   | 3 |
| BADM 4320 | Global Social Enterprise                     | 3 |
| BENT 4351 | Managing the Entrepreneurial Family Business | 3 |
| BENT 4360 | International Entrepreneurship               | 3 |
| BENT 4395 | Internship in Entrepreneurship               | 3 |
| BLDR 3355 | Developing Personal Leadership               | 3 |
| BMGT 3360 | Entrepreneurial Management                   | 3 |

**ENTREPRENEURSHIP AND SMALL  
BUSINESS B.A. MINOR**

**DEGREE REQUIREMENTS**

**Required- 18 hours**

|           |                             |   |
|-----------|-----------------------------|---|
| BADM 1301 | Introduction to Business    | 3 |
| BADM 2311 | Personal Financial Planning | 3 |

**Select Four of the Following**

|           |  |   |
|-----------|--|---|
| BACC 3327 | Small Business Accounting                    | 3 |
| BADM 4312 | Global Business as Mission                   | 3 |
| BADM 4320 | Global Social Enterprise                     | 3 |
| BENT 3310 | Introduction to Entrepreneurship             | 3 |
| BENT 4351 | Managing the Entrepreneurial Family Business | 3 |
| BENT 4360 | International Entrepreneurship               | 3 |
| BENT 4395 | Internship in Entrepreneurship               | 3 |
| BMGT 3334 | Team Management                              | 3 |

|           |                            |   |
|-----------|----------------------------|---|
| BMGT 3360 | Entrepreneurial Management | 3 |
| BMGT 4322 | Small Business Management  | 3 |

Other Small Business, Entrepreneurship, or related courses as approved by the program coordinator.

## ENTREPRENEURSHIP AND SMALL BUSINESS B.S. MINOR

### DEGREE REQUIREMENTS

#### Required Courses - 18 hours

|           |                             |   |
|-----------|-----------------------------|---|
| BADM 1301 | Introduction to Business    | 3 |
| BADM 2311 | Personal Financial Planning | 3 |

#### Select Four of the Following

|           |  |   |
|-----------|--|---|
| BACC 3327 | Small Business Accounting                    | 3 |
| BADM 4312 | Global Business as Mission                   | 3 |
| BADM 4320 | Global Social Enterprise                     | 3 |
| BENT 3310 | Introduction to Entrepreneurship             | 3 |
| BENT 4351 | Managing the Entrepreneurial Family Business | 3 |
| BENT 4360 | International Entrepreneurship               | 3 |
| BENT 4395 | Internship in Entrepreneurship               | 3 |
| BMGT 3334 | Team Management                              | 3 |
| BMGT 3360 | Entrepreneurial Management                   | 3 |
| BMGT 4322 | Small Business Management                    | 3 |

Other Small Business, Entrepreneurship, or related courses as approved by the program coordinator.

### Management

A 15-hour B.B.A. major or a 12-hour B.B.A. minor (beyond the 6 hours of Management required in the Business Core) as well as an 18-hour B.A./B.S. minor for non-business majors is available. The major provides a background for understanding and managing organizations and prepares students for entry-level positions and management training programs.

Our graduates are able communicators, both oral and written, using appropriate technologies in a professional manner. Our graduates work effectively in team environments. Our graduates demonstrate the ability to critically analyze and evaluate organization problems, involving people, situations, and behavior in light of established managerial theory and practice and probable consequences.

124 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
31 HOURS AT UMHB

## MANAGEMENT B.B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 40 hours

see Bachelor of Business Administration Degree Academic Core

#### Professional Business Foundation – 24 hours

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

#### Professional Business Core – 27 hours

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |

#### B.B.A. Management Major Required Courses – 15 hours

12 hours (6 upper level ) at UMHB

|                              |                            |   |
|------------------------------|----------------------------|---|
| 12 hours minimum upper level |                            |   |
| BMGT 3315                    | Organizational Behavior    | 3 |
| BMGT 3321                    | Human Resources Management | 3 |

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

**Plus any three additional 3-hour courses with BMGT, BLDR, or BENT Prefix**

**Business Electives - 3 hours upper level**  
or

**Business Specialization - 9 hours**  
or

**Business Area Minor - 12 hours**  
or

**Second Business Major - 15-21 hours**  
or

**Non-business Minor - 18-24 hours**

### **SUGGESTED SCHEDULE FOR B.B.A. MANAGEMENT MAJOR:**

#### **Freshman Fall**

|           |                            |   |
|-----------|----------------------------|---|
| BADM 1301 | Introduction to Business   | 3 |
| BECO 2310 | Principles of Economics    | 3 |
| ENGL 1321 | Rhetoric & Composition I   | 3 |
| MATH 1306 | College Algebra            | 3 |
| CSBS 1311 | Engaging the Old Testament | 3 |
| UMHB 1002 | Chapel                     | 0 |
| UMHB 1101 | Freshman Seminar           | 1 |
| UMHB 1005 | Fine Arts Experience       | 0 |

#### **Freshman Spring**

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| COMM 1320 | Public Speaking                         | 3 |
| ENGL 1322 | Rhetoric & Composition II               | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| CSBS 1312 | Engaging the New Testament              | 3 |
| EXAC      | Activity Course                         | 1 |
| UMHB 1002 | Chapel                                  | 0 |
| UMHB 1005 | Fine Arts Experience                    | 0 |

#### **Sophomore Fall**

|           |                        |   |
|-----------|------------------------|---|
| BACC 2310 | Survey of Accounting   | 3 |
| BQBA 2302 | Business Data Analysis | 3 |
| BLAW 2311 | Business Law           | 3 |
|           | Lab Science            | 4 |
|           | Fine Arts              | 3 |
| UMHB 1002 | Chapel                 | 0 |
| UMHB 1005 | Fine Arts Experience   | 0 |

#### **Sophomore Spring**

|           |                                       |   |
|-----------|---------------------------------------|---|
| BADM 2311 | Personal Financial Planning           | 3 |
|           | Scientific Inquiry or Natural Science | 3 |
|           | Social Science                        | 3 |
| ENGL      | Literature                            | 3 |
|           | Elective                              | 3 |
| UMHB 1002 | Chapel                                | 0 |
| UMHB 1005 | Fine Arts Experience                  | 0 |

#### **Junior Fall**

|           |                                |   |
|-----------|--------------------------------|---|
|           | World Ideas                    | 3 |
| BFIN 3311 | Principles of Finance          | 3 |
| BMGT 3310 | Fundamentals of Management     | 3 |
| BCIS 3312 | Management Information Systems | 3 |
|           | Elective                       | 3 |
| EXAC      | Activity Course                | 1 |
| UMHB 1005 | Fine Arts Experience           | 0 |

#### **Junior Spring**

|           |   |   |
|-----------|---|---|
|           | Elective                                    | 3 |
| BLDR 3350 | Christian Principles in Business Leadership | 3 |
| BMGT 3315 | Organizational Behavior                     | 3 |
| BMKT 3311 | Principles of Marketing                     | 3 |
|           | BMGT, BLDR, or BENT Course                  | 3 |
| UMHB 1005 | Fine Arts Experience                        | 0 |

#### **Senior Fall**

|           |   |   |
|-----------|---|---|
| BMGT 3321 | Human Resources Management                    | 3 |
| BADM 3311 | Global Competition and International Business | 3 |
|           | BMGT, BLDR, or BENT Course                    | 3 |
|           | BMGT, BLDR, or BENT Course                    | 3 |
|           | Elective                                      | 3 |
| UMHB 1005 | Fine Arts Experience                          | 0 |

**Senior Spring**

|           |                                  |   |
|-----------|----------------------------------|---|
| BADM 4341 | Business Ethics                  | 3 |
| BMGT 4349 | Strategic Management & Policy    | 3 |
|           | Upper Level Business Elective    | 3 |
|           | Elective                         | 3 |
| BSYS 3325 | Production Operations Management | 3 |
| BADM 4090 | Practical Experience             | 0 |
| UMHB 1005 | Fine Arts Experience             | 0 |

**MANAGEMENT B.B.A. MINOR****DEGREE REQUIREMENTS****Required Courses- 12 hours**

6 hours upper level at UMHB

|           |                            |   |
|-----------|----------------------------|---|
| BMGT 3315 | Organizational Behavior    | 3 |
| BMGT 3321 | Human Resources Management | 3 |

**Please select two additional 3-hour BMGT, BLDR or BENT courses.**

**MANAGEMENT B.A./B.S. MINOR**

An 18-hour minor is available for B.A. and B.S. degrees.

**DEGREE REQUIREMENTS****Required-Courses**

6 hours upper-level at UMHB

|           |                            |   |
|-----------|----------------------------|---|
| BMGT 3310 | Fundamentals of Management | 3 |
| BMGT 3315 | Organizational Behavior    | 3 |
| BMGT 3321 | Human Resources Management | 3 |

**Please select three additional 3-hour BMGT, BLDR, or BENT courses.**

**Marketing**

A 15-hour B.B.A. major, 12-hour B.B.A. minor (beyond the 3 hours of Marketing required in the Business Core), and an 18-hour B.A./B.S. minor is available. The major is preparation for careers in sales, sales management, advertising and digital marketing.

Our graduates can apply the fundamental concepts to the analysis of marketing challenges faced by profit and/or nonprofit organizations. Our graduates can collect, analyze, interpret and report decision meaningful

marketing information, using primary and/or secondary sources of consumer and business data. Our graduates can develop and defend marketing plans, including implementation, that will support organizational objectives.

**MARKETING B.B.A.****DEGREE REQUIREMENTS****Academic Core – 40 hours**

see Bachelor of Business Administration Degree Academic Core

**Professional Business Foundation – 24 hours**

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 hours of Social Science in the UMHB Core Curriculum

**Professional Business Core – 27 hours**

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |

\*BADM 3311 fulfills the Global Issues/Social Science block in the UMHB Core Curriculum.

**B.B.A. Marketing Major Required Courses:**

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |                    |   |
|-----------|--------------------|---|
| BMKT 3322 | Consumer Behavior  | 3 |
| BMKT 3331 | Marketing Research | 3 |
| BMKT 4341 | Marketing Strategy | 3 |

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international experiences, or co-op experiences.

**Select two of the following courses:**

|           |                                |   |
|-----------|--------------------------------|---|
| BMKT 3310 | Service Based Marketing        | 3 |
| BMKT 3312 | Advertising and Promotion      | 3 |
| BMKT 3315 | Event Marketing                | 3 |
| BMKT 3353 | Selling and Sales Management   | 3 |
| BMKT 4340 | International Marketing        | 3 |
| BMKT 4360 | Marketing through Social Media | 3 |
| BMKT 4370 | Mission Based Marketing        | 3 |
| BMKT 4380 | New Product Marketing          | 3 |

**Business Electives - 3 hours upper level**

or

**Business Specialization - 9 hours**

or

**Business Area Minor - 12 hours**

or

**Second Business Major - 15-21 hours**

or

**Non-business Minor - 18-24 hours****SUGGESTED SCHEDULE FOR B.B.A. MARKETING MAJOR:****Freshman Fall**

|           |                            |   |
|-----------|----------------------------|---|
| BADM 1301 | Introduction to Business   | 3 |
| COMM 1320 | Public Speaking            | 3 |
| ENGL 1321 | Rhetoric & Composition I   | 3 |
| MATH 1306 | College Algebra            | 3 |
| CSBS 1311 | Engaging the Old Testament | 3 |
| EXAC      | Activity Course            | 1 |

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1002 | Chapel               | 0 |
| UMHB 1005 | Fine Arts Experience | 0 |
| UMHB 1101 | Freshman Seminar     | 1 |

**Freshman Spring**

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| ENGL 1322 | Rhetoric & Composition II               | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| CSBS 1312 | Engaging the New Testament              | 3 |
| EXAC      | Activity Course                         | 1 |
|           | Elective                                | 3 |
| UMHB 1002 | Chapel                                  | 0 |
| UMHB 1005 | Fine Arts Experience                    | 0 |

**Sophomore Fall**

|           |                         |   |
|-----------|-------------------------|---|
| BACC 2310 | Survey of Accounting    | 3 |
| BQBA 2302 | Business Data Analysis  | 3 |
| BECO 2310 | Principles of Economics | 3 |
|           | Social Science          | 3 |
|           | Fine Arts               | 3 |
| UMHB 1002 | Chapel                  | 0 |
| UMHB 1005 | Fine Arts Experience    | 0 |

**Sophomore Spring**

|           |                                       |   |
|-----------|---------------------------------------|---|
| BADM 2311 | Personal Financial Planning           | 3 |
| BLAW 2311 | Business Law                          | 3 |
|           | Scientific Inquiry or Natural Science | 3 |
|           | Lab Science                           | 4 |
| ENGL      | Literature                            | 3 |
| UMHB 1002 | Chapel                                | 0 |
| UMHB 1005 | Fine Arts Experience                  | 0 |

**Junior Fall**

|           |   |   |
|-----------|---|---|
| BCIS 3312 | Management Information Systems                | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BADM 3311 | Global Competition and International Business | 3 |
| BSYS 3325 | Production Operations Management              | 3 |
| UMHB 1005 | Fine Arts Experience                          | 0 |

**Junior Spring**

|           |                            |   |
|-----------|----------------------------|---|
| BFIN 3311 | Principles of Finance      | 3 |
| BMGT 3310 | Fundamentals of Management | 3 |
| BMKT 3322 | Consumer Behavior          | 3 |
| BMKT      | Major Course               | 3 |
|           | Elective                   | 3 |
| UMHB 1005 | Fine Arts Experience       | 0 |

**Senior Fall**

|           |                               |   |
|-----------|-------------------------------|---|
| BMKT      | Major Course                  | 3 |
|           | Upper Level Business Elective | 3 |
|           | Elective                      | 3 |
|           | Elective                      | 3 |
| BMKT 3331 | Marketing Research            | 3 |
| UMHB 1005 | Fine Arts Experience          | 0 |

**Senior Spring**

|           |                               |   |
|-----------|-------------------------------|---|
| BADM 4341 | Business Ethics               | 3 |
| BMKT 4341 | Marketing Strategy            | 3 |
| BMGT 4349 | Strategic Management & Policy | 3 |
|           | Elective                      | 3 |
|           | Elective                      | 3 |
| BADM 4090 | Practical Experience          | 0 |
| UMHB 1005 | Fine Arts Experience          | 0 |

**MARKETING B.B.A. MINOR****DEGREE REQUIREMENTS****Required Courses:**

6 hours upper level at UMHB

|           |                    |   |
|-----------|--------------------|---|
| BMKT 3322 | Consumer Behavior  | 3 |
| BMKT 3331 | Marketing Research | 3 |
| BMKT 4341 | Marketing Strategy | 3 |

**Please select one additional 3- hour BMKT course:**

|      |                       |   |
|------|-----------------------|---|
| BMKT | BMKT Additional Hours | 3 |
|------|-----------------------|---|

**MARKETING B.A./B.S. MINOR**

An 18-hour minor is available for B.A. and B.S. degrees.

**DEGREE REQUIREMENTS****Required Courses**

|           |                           |   |
|-----------|---------------------------|---|
| BMKT 3311 | Principles of Marketing   | 3 |
| BMKT 3312 | Advertising and Promotion | 3 |
| BMKT 3322 | Consumer Behavior         | 3 |
| BMKT 3331 | Marketing Research        | 3 |

**Please select two additional 3-hour BMKT courses**

6 additional hours in BMKT courses 6

**International Business**

A 15-hour B.B.A. major, 12-hour B.B.A. minor (beyond the 3 hours of International Business in the Business Core of the B.B.A. degree), and an 18-hour B.A./B.S. minor is available. The major is preparation for individuals who seek to become employed in international organizations of multiple types – for-profit, non-profit, or government.

**INTERNATIONAL BUSINESS B.B.A.**

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 40 hours**

see Bachelor of Business Administration Degree Academic Core

**Professional Business Foundation – 24 hours**

|           |   |   |
|-----------|---|---|
| BACC 2310 | Survey of Accounting                    | 3 |
| BADM 1301 | Introduction to Business                | 3 |
| BADM 2311 | Personal Financial Planning             | 3 |
| BCIS 1301 | Information Systems for Business Impact | 3 |
| BECO 2310 | Principles of Economics                 | 3 |
| BLAW 2311 | Business Law                            | 3 |
| BQBA 2301 | Introduction to Quantitative Methods    | 3 |
| BQBA 2302 | Business Data Analysis                  | 3 |

BECO 2310: fulfills 3 of the 6 hours of Social Science in the UMHB Core Curriculum

BADM 3311: fulfills the Global Issues/Social Science block in the UMHB Core Curriculum



**Professional Business Core – 27 hours**

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
| BADM 4090 | Practical Experience                          | 0 |
| BADM 4341 | Business Ethics                               | 3 |
| BFIN 3311 | Principles of Finance                         | 3 |
| BLDR 3350 | Christian Principles in Business Leadership   | 3 |
| BMGT 3310 | Fundamentals of Management                    | 3 |
| BMGT 4349 | Strategic Management & Policy                 | 3 |
| BMKT 3311 | Principles of Marketing                       | 3 |
| BCIS 3312 | Management Information Systems                | 3 |
| BSYS 3325 | Production Operations Management              | 3 |

**B.B.A. International Business Major Required Courses – 15 hours:**

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                             |   |
|-----------|-----------------------------|---|
| BADM 3351 | Culture and Global Business | 3 |
|-----------|-----------------------------|---|

**Choose 4 from the following:**

|           |  |   |
|-----------|--|---|
| BADM 33XX | International Internship                           | 3 |
| BADM 4312 | Global Business as Mission                         | 3 |
| BADM 4320 | Global Social Enterprise                           | 3 |
| BADM 4351 | Global Commerce                                    | 3 |
| BECO 4370 | International Economics                            | 3 |
| BENT 4360 | International Entrepreneurship                     | 3 |
| BFIN 4345 | International Financial Management                 | 3 |
| BMGT 4340 | International Management                           | 3 |
| BMKT 4340 | International Marketing                            | 3 |
|           | International/Global Upper Level Business Elective | 3 |
|           | International/Global Upper Level Business Elective | 3 |

A 2.50 GPA is required in the major for graduation.

BADM 4090: 300 hours of practical experience in major required through full- or part-time employment, paid or unpaid internships, apprenticeships, international

experiences, and co-op experiences.

Students with an International Business Major must have at least three hours of business course credits via study abroad programs. This requirement may be met by taking a for-credit UMHB McLane College of Business international study trip.

**Business Electives - 3 hours upper level**

or

**Business Specialization - 9 hours**

or

**Business Area Minor - 12 hours**

or

**Second Business Major - 18 hours**

or

**Non-business Minor - 18-24 hours****INTERNATIONAL BUSINESS B.B.A. MINOR****DEGREE REQUIREMENTS****Required Courses:**

|           |  |   |
|-----------|--|---|
| BADM 3351 | Culture and Global Business                          | 3 |
|           | 3 International/Global Upper Level Business Elective | 9 |

Students with an International Business Minor must have at least three hours of business course credits via study abroad programs. This requirement may be met by taking a for-credit UMHB McLane College of Business international study trip.

**INTERNATIONAL BUSINESS B.A./B.S. MINOR**

An 18-hour minor in International Business is available to students majoring outside the McLane College of Business. Students majoring in Political Science, Christian Ministry, Christian Studies, or Modern Foreign Languages will find a minor in International Business particularly advantageous.

**DEGREE REQUIREMENTS****Required Courses**

|           |   |   |
|-----------|---|---|
| BADM 3311 | Global Competition and International Business | 3 |
|-----------|---|---|

**Please select five of the following courses:**

|           |                             |   |
|-----------|-----------------------------|---|
| BADM 3351 | Culture and Global Business | 3 |
| BADM 4312 | Global Business as Mission  | 3 |

|              |                                       |   |
|--------------|---------------------------------------|---|
| BADM<br>4320 | Global Social Enterprise              | 3 |
| BADM<br>4351 | Global Commerce                       | 3 |
| BECO 4370    | International Economics               | 3 |
| BENT 4360    | International Entrepreneurship        | 3 |
| BFIN 4345    | International Financial<br>Management | 3 |
| BMGT<br>4340 | International Management              | 3 |
| BMKT<br>4340 | International Marketing               | 3 |

## COLLEGE OF CHRISTIAN STUDIES

**Dr. Timothy G. Crawford, Dean**

### Purpose

The faculty of the College of Christian Studies contribute to the mission of UMHB to be a Christ-centered institution of higher learning by empowering our students to become intellectually prepared servants of God. A key part of the College's mission is to provide introduction to the Old and New Testaments courses (the "Engaging" courses) for every undergraduate student so that the students not only know information about Scripture, but are also able to interpret and apply it. The College offers courses in advanced biblical studies, biblical languages, church history, theology, philosophy, Christian ministry, and intercultural studies (Missions). The faculty consists of Christians committed to the service of the church and academic excellence who seek to broaden students' vision and focus their commitment through intellectual and spiritual growth.

### Christian Studies

#### Introduction

The College of Christian Studies offers three degree programs and a variety of minors designed to meet the needs and interests of students. The three are Bachelor of Christian Studies (BA), Bachelor of Christian Ministry (BCM) and Bachelor of Transformational Development (BTD). The College also offers minors to all university students in the areas of Christian Studies, Biblical Studies, Philosophy, Intercultural Studies (Missions), and Biblical Languages. The degree programs of the College prepare students for service in the local church or other ministry and mission settings as well as advanced study in graduate schools or seminary.

**Grade Requirement:** A grade less than "C" in Christian Studies courses will not apply toward any major or minor offered in the College of Christian Studies.

### BGCT SCHOLARSHIP REQUIREMENTS

Majors in the College of Christian Studies or Church Music who are active members of churches affiliated with the Baptist General Convention of Texas and who are planning to enter Christian ministry as a full-time vocation may apply for the Baptist General Convention of Texas Scholarship, offered in the amount of \$50/semester hour for freshmen and sophomores and \$75/semester hour for juniors and seniors.

**Students receiving the scholarship must complete at least the following courses in Christian Studies including the following:**

|           |                                    |   |
|-----------|------------------------------------|---|
| CSMN 1320 | Introduction to Christian Ministry | 3 |
| CSBS 1311 | Engaging the Old Testament         | 3 |
| CSBS 1312 | Engaging the New Testament         | 3 |
| CSCH 3310 | History of the Baptists            | 3 |

CSMN 1320: must be taken in the 1st or 2nd semester of receiving the BGCT scholarship

### FOREIGN LANGUAGE REQUIREMENT

UMHB requires students pursuing the BA degree to complete a minimum of 14 hours (4 semesters) in one foreign language as a Core requirement. Christian Studies majors are encouraged to satisfy this requirement by taking a biblical language (Hebrew or Greek), but it may also be satisfied with Latin, German, French, or Spanish. Study of the biblical languages is preferred since it enhances students' understanding of the Bible and prepares them for biblical language requirements in seminary or graduate school.

Students pursuing the BCM degree (Bachelor of Christian Ministry) are required to complete 8 hours (2 semesters) in either Greek or Hebrew as a Core Requirement.

Students pursuing the BTD (Bachelor of Transformational Development) are required to complete two semesters of Hebrew, Greek, or Spanish.

### CHRISTIAN STUDIES B. A.

Christian Studies students pursuing the BA degree receive a broad liberal arts education and the ability to select from a wide variety of courses that reflect their interests. The BA in Christian Studies does not require a minor. However, Christian Studies majors may also complete the Biblical Languages, Philosophy, Intercultural Studies minor, or in a minor outside the College. Christian Studies B.A. students may not do the Biblical Studies or Christian Studies minors. The BA is also the best for students seeking to double major.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 60 hours**

see Bachelor of Arts Degree - Academic Core (p. 86)

(includes PHIL 2315 as the World Cultures requirement)

**Foundations Courses – 14 hours**

|           |   |   |
|-----------|---|---|
| CSMN 1320 | Introduction to Christian Ministry        | 3 |
| CCST 2200 | Research and Writing in Christian Studies | 2 |
| CSBS 2302 | Introduction to Biblical Interpretation   | 3 |
| CSCH 2318 | Introduction to Church History            | 3 |
| CSTH 2316 | Introduction to Christian Theology        | 3 |

**Advanced Christian Studies-15 hours**

Chose one upper level course from each area:

|                            |   |
|----------------------------|---|
| Upper Level Old Testament  | 3 |
| Upper Level New Testament  | 3 |
| Upper Level Church History | 3 |
| Upper-Level Philosophy     | 3 |
| Upper-Level Theology       | 3 |

**Christian Studies Electives - 6 hours**

Select 6 hours in any combination from the following areas or courses (the language classes listed below may count in the major if they are *not* being counted toward the Biblical Language minor)

|           |   |   |
|-----------|---|---|
|           | Archaeology                             |   |
|           | Biblical Studies                        |   |
|           | Church History                          |   |
|           | Christian Ministry                      |   |
|           | Christian Studies                       |   |
|           | Christian Studies Intercultural Studies |   |
| GREK 3313 | Intermediate Greek I                    | 3 |
| GREK 3314 | Intermediate Greek II                   | 3 |
| HBRW 3313 | Intermediate Classical Hebrew I         | 3 |
| HBRW 3314 | Intermediate Classical Hebrew II        | 3 |
|           | Philosophy                              |   |
|           | Theology                                |   |

**Capstone Courses - 1 hour**

|           |                 |   |
|-----------|-----------------|---|
| CCST 4190 | Senior Capstone | 1 |
|-----------|-----------------|---|

12 hours (6 upper level) at UMHB

12 hours minimum upper level

**General Electives - to reach 120 hours****SUGGESTED SCHEDULE FOR CHRISTIAN STUDIES B.A.****Freshman Year – 31 hours**

|                       |                                      |   |
|-----------------------|--------------------------------------|---|
| ENGL 1321-1322        |                                      | 6 |
| COMM 1320             | Public Speaking                      | 3 |
| CSBS 1311             | Engaging the Old Testament           | 3 |
| CSBS 1312             | Engaging the New Testament           | 3 |
|                       | Social Science                       | 6 |
|                       | Fine Arts                            | 3 |
| MATH (1304 or higher) |                                      | 3 |
| CSMN 1320             | Introduction to Christian Ministry   | 3 |
|                       | Freshman Seminar                     | 1 |
|                       | Chapel (each semester)               |   |
|                       | Fine Arts Experience (each semester) |   |

Social Science: From these areas - History, Political Science, Psychology, Sociology, Criminology, or Social Work

**Sophomore Year – 32 hours**

|           |   |   |
|-----------|---|---|
|           | Literature (British Literature preferred)                           | 6 |
|           | Foreign Language (Hebrew, Greek, Spanish, French, Latin, or German) | 8 |
|           | Lab Science   | 4 |
| PHIL 2315 | Introduction to Philosophy  | 3 |
| CSBS 2302 | Introduction to Biblical Interpretation                             | 3 |
| CSCH 2318 | Introduction to Church History                                      | 3 |
| CSTH 2316 | Introduction to Christian Theology                                  | 3 |
| CCST 2200 | Research and Writing in Christian Studies                           | 2 |
|           | Chapel (each semester)  |   |
|           | Fine Arts Experience (each semester)                                |   |

PHIL 2315: fulfills World Ideas in the core

**Junior Year – 31 hours**

|  |   |   |
|--|---|---|
|  | Foreign Language (second year of the same language taken in the sophomore year) | 6 |
|  | Global Issues   | 3 |
|  | Upper Level Old Testament and New Testament                                     | 6 |
|  | 3000 to 4000-level Christian Studies courses                                    | 6 |
|  | Scientific Inquiry  | 3 |
|  | Elective courses  | 6 |
|  | Physical Education (activity course)  | 1 |

Fine Arts Experience (each semester)

### Senior Year – 30 hours

|           |  |    |
|-----------|--|----|
|           | 3000 to 4000-level Christian Studies courses | 9  |
| CCST 4190 | Senior Capstone                              | 1  |
|           | Elective courses                             | 18 |
|           | Physical Education (activity course)         | 1  |
|           | Fine Arts Experience (each semester)         |    |

Subtotal: 120

## BACHELOR OF CHRISTIAN MINISTRY (B.C.M.)

The Bachelor of Christian Ministry (BCM) degree allows students to complete a broad variety of Christian Studies courses in biblical, historical, and theological areas and it lets them concentrate their studies in a particular area of Christian Ministry. Students will select from concentrations in Pastoral Ministry, Age-Related Ministry, or Intercultural Studies. All BCM students must also complete one year of study in a biblical language of their choice in either Hebrew or Greek.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 57 hours

see Bachelor of Christian Ministry Degree - Academic Core (p. 88)

#### Christian Studies Foundation – 17 hours

|           |   |   |
|-----------|---|---|
| CSMN 1320 | Introduction to Christian Ministry        | 3 |
| CCST 2200 | Research and Writing in Christian Studies | 2 |
| CSBS 2302 | Introduction to Biblical Interpretation   | 3 |
| CSCH 2318 | Introduction to Church History            | 3 |
| CSTH 2316 | Introduction to Christian Theology        | 3 |
| CCST 3301 | Spiritual Formation                       | 3 |

#### Advanced Christian Studies – 15 hours

|  |                            |   |
|--|----------------------------|---|
|  | Upper Level New Testament  | 3 |
|  | Upper Level Old Testament  | 3 |
|  | Upper Level Church History | 3 |
|  | Upper-Level Theology       | 3 |
|  | Upper-Level Philosophy     | 3 |

#### Capstone Courses – 1 hours

|           |                 |   |
|-----------|-----------------|---|
| CCST 4190 | Senior Capstone | 1 |
|-----------|-----------------|---|

### CONCENTRATIONS

Select a minimum of 5 courses from one of the following concentrations:

#### Pastoral Ministry Concentration – 15 hours

|           |                                |   |
|-----------|--------------------------------|---|
| CSMN 3306 | Congregational Leadership      | 3 |
| CSMN 3310 | Sermon Preparation             | 3 |
| CSMN 4316 | Supervised Ministry Internship | 3 |
|           | CSMN/CSIS Elective             | 3 |
|           | CSMN/CSIS Elective             | 3 |

#### Youth and Children's Ministry-15 hours

|           |                                |   |
|-----------|--------------------------------|---|
| CSMN 3306 | Congregational Leadership      | 3 |
| CSMN 3329 | Children's Ministry            | 3 |
| CSMN 3330 | Youth Ministry                 | 3 |
| CSMN 4316 | Supervised Ministry Internship | 3 |
|           | CSMN/CSIS Elective             | 3 |

#### Intercultural Studies Concentration – 15 hours

|           |                                |   |
|-----------|--------------------------------|---|
| CSMN 3306 | Congregational Leadership      | 3 |
| CSIS 3301 | Intercultural Perspectives     | 3 |
| CSIS 3300 | Missiology                     | 3 |
| CSIS 3350 | Intercultural Field Experience | 3 |
|           | or                             |   |
| CSMN 4316 | Supervised Ministry Internship | 3 |
|           | CSMN/CSIS Elective             | 3 |

#### General Electives- to reach 120 Hours

### SUGGESTED SCHEDULE FOR BACHELOR OF CHRISTIAN MINISTRY MAJOR

#### Freshman Year – 31 hours

|                       |                                      |   |
|-----------------------|--------------------------------------|---|
| ENGL 1321-1322        |                                      | 6 |
| COMM 1320             | Public Speaking                      | 3 |
| CSBS 1311             | Engaging the Old Testament           | 3 |
| CSBS 1312             | Engaging the New Testament           | 3 |
|                       | Social Science                       | 6 |
|                       | Fine Arts                            | 3 |
| MATH (1304 or higher) |                                      | 3 |
| CSMN 1320             | Introduction to Christian Ministry   | 3 |
|                       | Freshman Seminar                     | 1 |
|                       | Chapel (each semester)               |   |
|                       | Fine Arts Experience (each semester) |   |

Social Science: select two courses from these areas:  
History, Political Science, Psychology, Sociology,  
Criminology, or Social Work

### Sophomore Year – 32 hours

|           |   |   |
|-----------|---|---|
|           | Literature (British Literature recommended)               | 6 |
|           | Hebrew or Greek (two semesters of the same language)      | 8 |
|           | Lab Science   | 4 |
| CSBS 2302 | Introduction to Biblical Interpretation                   | 3 |
|           | Global Issues   | 3 |
| CCST 2200 | Research and Writing in Christian Studies                 | 2 |
| CSCH 2318 | Introduction to Church History                            | 3 |
| CSTH 2316 | Introduction to Christian Theology Chapel (each semester) | 3 |
|           | Fine Arts Experience (each semester)                      |   |

### Junior Year – 31 hours

|           |   |   |
|-----------|---|---|
| CSMN 3306 | Congregational Leadership   | 3 |
| CCST 3301 | Spiritual Formation   | 3 |
|           | 3000 to 4000-level course from one of the concentrations listed below | 3 |
| PHIL 2315 | Introduction to Philosophy  | 3 |
|           | Upper Level Old Testament and New Testament                           | 6 |
|           | Scientific Inquiry  | 3 |
|           | Elective courses  | 9 |
|           | Fine Arts Experience (each semester)                                  |   |

Concentrations: Pastoral Ministry, Age-Related Ministry and Intercultural Studies: four courses from one of these areas.

PHIL 2315: fulfills World Ideas

### Senior Year – 30 hours

|           |  |    |
|-----------|--|----|
|           | 3000 to 4000-level courses from one of the concentrations listed below | 6  |
|           | additional Christian Studies courses                                   | 6  |
|           | Elective courses   | 18 |
|           | Physical Education (activity course)                                   | 1  |
| CCST 4190 | Senior Capstone  | 1  |
|           | Fine Arts Experience (each semester)                                   |    |

Subtotal: 124

## BACHELOR OF TRANSFORMATIONAL DEVELOPMENT

The Bachelor of Transformational Development degree is an interdisciplinary study which offers a synthesis of Christian Studies and Business and teaches the integration of these areas to transform lives and communities for Christ through organizational development. The study of Christian theology and missiology, combined with the study of foundational business principles, prepares students to be servant-leaders as they create and sustain mission-based organizations, churches, ministries, non-profits, and for-profit business, both locally and globally.

120 MINIMUM HOURS

### DEGREE REQUIREMENTS

#### Academic Core- 48 hours

Bachelor of Transformational Development degree-Academic Core (p. 97)

#### Business Content

12 HOURS UPPER LEVEL

12 HOURS AT UMHB (6 HRS UPPER LEVEL)

|           |   |   |
|-----------|---|---|
| BADM 1301 | Introduction to Business                    | 3 |
| BCIS 1301 | Information Systems for Business Impact     | 3 |
| BACC 2310 | Survey of Accounting                        | 3 |
| BLDR 3350 | Christian Principles in Business Leadership | 3 |
| BADM 4312 | Global Business as Mission                  | 3 |

#### Select one course from below:

|           |                                  |   |
|-----------|----------------------------------|---|
| BADM 2311 | Personal Financial Planning      | 3 |
| BENT 3310 | Introduction to Entrepreneurship | 3 |

#### Select one course from below:

|           |                            |   |
|-----------|----------------------------|---|
| BMGT 3345 | Nonprofit Management       | 3 |
| BMGT 3310 | Fundamentals of Management | 3 |

#### Select one course from below:

|           |                         |   |
|-----------|-------------------------|---|
| BMKT 3310 | Service Based Marketing | 3 |
| BMKT 3311 | Principles of Marketing | 3 |

#### Christian Studies Content

12 HOURS UPPER LEVEL

12 HOURS AT UMHB ( 6 HRS UPPER LEVEL)

|           |                                    |   |
|-----------|------------------------------------|---|
| CSTH 2316 | Introduction to Christian Theology | 3 |
| CSCH 2318 | Introduction to Church History     | 3 |

|                 |   |   |
|-----------------|---|---|
| CSMN 1320       | Introduction to Christian Ministry      | 3 |
| CSIS 3301       | Intercultural Perspectives              | 3 |
| CSIS 3350       | Intercultural Field Experience          | 3 |
|                 | or                                      |   |
| CSBU 4350       | Transformational Development Internship | 3 |
|                 | Christian Studies Electives             | 9 |
| <b>Capstone</b> |   |   |
| CSBU 4190       | Transformational Development Capstone   | 1 |

## BIBLICAL LANGUAGES MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 22 hours

6 hours upper level at UMHB

GREK

2413-2414

HBRW

2413-2414

and

GREK

3313-3314

or

HBRW

3313-3314

## BIBLICAL STUDIES MINOR

This minor is not available to students doing the BCM or BA in Christian Studies.

### DEGREE REQUIREMENTS

#### Required Courses – 21 hours

6 hours upper level at UMHB

CSBS 1311 Engaging the Old Testament 3

CSBS 1312 Engaging the New Testament 3

CSBS 2302 Introduction to Biblical Interpretation 3

12 hours of upper-division (3000-4000 level) courses in biblical studies 12

## CHRISTIAN STUDIES MINOR

This minor is not available to students doing the BCM or BA in Christian Studies.

### DEGREE REQUIREMENTS

#### Required Courses – 18 hours

6 hours upper level at UMHB

CSBS 1311 Engaging the Old Testament 3

|           |  |    |
|-----------|--|----|
| CSBS 1312 | Engaging the New Testament   | 3  |
|           | 12 hours of electives from at least THREE of the following areas: CSBS, CSCH, CSTH, and CSMN | 12 |

NOTE: Music majors may substitute three (3) hours of MUSI 1180/3180, MUSI 3289, MUSI 3380, MUSI 3381, or MUSI 4282 for electives in CSMN.

## INTERCULTURAL STUDIES MINOR

Course substitutions are necessary for this major to be chosen by BA students; not available to BCM students.

### DEGREE REQUIREMENTS

#### Required Courses – 21 hours

6 hours upper level at UMHB

CSBS 1311 Engaging the Old Testament 3

CSBS 1312 Engaging the New Testament 3

CSMN 1320 Introduction to Christian Ministry 3

#### Select one from the below list:

CSBS 2302 Introduction to Biblical Interpretation 3

CSCH 2318 Introduction to Church History 3

CSTH 2316 Introduction to Christian Theology 3

#### Select three from the below list:

CSIS 3300 Missiology 3

CSIS 3301 Intercultural Perspectives 3

CSIS 3325 Global Christianity 3

CSIS 3350 Intercultural Field Experience 3

CSIS 4335 Global Readings of the Gospels and Acts 3

CSCH 4312 History of Christian Missions 3

PHIL 4315 World Religions 3

## PHILOSOPHY MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 18 hours

6 hours upper level at UMHB

PHIL 2315 Introduction to Philosophy 3

PHIL 3316 Critical Reasoning 3

12 hours of philosophy courses

CSTH 3345 may also count toward this minor.

## EDUCATIONAL PEDAGOGY AND PROFESSIONAL PRACTICES EMPHASIS FOR BA IN CHRISTIAN STUDIES

### DEGREE REQUIREMENTS

#### Requirements Courses-12 hours

EDUC 3315 Students and Learning 3

|           |                        |   |
|-----------|------------------------|---|
| EDUC 4324 | Classroom Management   | 3 |
| EDUC 4328 | Curriculum Design I    | 3 |
| EDUC 4385 | Educational Internship | 3 |



# COLLEGE OF EDUCATION

**Dr. Joan Berry, Dean**

**Dr. Craig Hammonds, Associate Dean**

## Purpose

The College of Education promotes quality educational opportunities in a variety of fields, with emphasis on high standards of academic excellence. The goal of the college is to promote the growth of moral and ethical leaders in all areas. **The College of Education** offers undergraduate, post-baccalaureate, and alternative certification educator preparation programs for Early Childhood through Grade 6, Grades 4-8, and secondary level English, math, sciences, speech, and history. Also offered are programs for all-level art, music, physical education, and Spanish. All educator certification paths, including graduate programs to prepare educational leaders, are endorsed by the Texas State Board for Educator Certification.

Programs within the College of Education are accredited by the Southern Association of Colleges and Schools. Students are encouraged in their professional endeavors by a faculty dedicated to modeling lifelong learning and fostering critical and creative thinking in professional interactions with others.

## Education

### Mission Statement

The College of Education provides prospective teachers and administrators with an education program that is student focused, cutting edge, and exemplary among comparable universities.

### General Information

The University of Mary Hardin-Baylor Educator Preparation Program is approved by the State of Texas to offer educator certification. A student who completes an approved program must also make a satisfactory score on state licensing examinations required by the state. After completion of all certification requirements, the student must make application for teacher certification. If a student has satisfied all program requirements, the recommendation for the teaching certificate is made to the state certification system by the UMHB Certification Coordinator.

Educator preparation is a cooperative effort across the university and involves other colleges and departments. All educator preparation is coordinated through the College of Education. The university maintains a close relationship with the public schools.

The purpose of the Educator Preparation Cooperative, is to plan and implement the Educator Preparation Program in a Christian environment. This purpose not only adheres to but also extends beyond those regulations set forth by the Texas Education Agency, the Texas Administrative Code and the Texas Education Code.

Students planning to pursue certification through the Educator Preparation Program are encouraged to select a degree plan early in their college career. A major advisor in the student's field of interest should be consulted for planning purposes. Students who plan their program early will be more likely to finish in a timely manner.

## Educator Preparation Cooperative

The Educator Preparation Program is administered under the direct supervision of the Educator Preparation Cooperative. The College appoints a chairperson of this committee, and its members are representatives from the surrounding independent school districts, supervisors, student representatives, and community members. Ad hoc members include the Registrar and Provost/ Senior Vice President for Academic Affairs.

## Objectives of the Teacher Education Program

1. The College of Education will provide prospective teachers and administrators with an educational program that is student focused, cutting edge, and exemplary among comparable universities.
2. The College of Education will maintain a curriculum that is research-based, student-focused, aligned with state standards, and rigorous in its content and scope.
3. The College of Education will provide pre-service educators with the knowledge and skills needed to demonstrate competency on the state certification examination (TExES) for the fields they have chosen.

## Advising

Students seeking teacher certification for the elementary, interdisciplinary, and middle level programs are advised in the College of Education. Those who choose to pursue certification at the secondary level and all-level art, music, physical education, and Spanish are advised in the department of their academic major. All students seeking

certification are required to follow the guidelines of the Educator Preparation Program and to begin a data collection process for entry into the Educator Preparation Program during EDUC 3315. It is recommended that students enroll in EDUC 3315 during the second semester of the sophomore year. Students who are transferring professional education credit(s) from other colleges or universities to UMHB should see an advisor in the College of Education for special admission procedures to the Educator Preparation Program.

## Program Requirements

It should be clearly understood that the State of Texas Educator Certification System and Standards of the Texas Education Agency (TEA) regarding certification supersede UMHB rules and requirements. While the UMHB program may have requirements that exceed those of the state, at no time are they less than state requirements. There are three paths leading to teacher certification at UMHB. The Undergraduate Program is traditional teacher certification coupled with the pursuit of the bachelor's degree. The Post-Baccalaureate program is for candidates with bachelor's degrees who are pursuing teacher certification through the UMHB master's program. The Alternative Certification Program is for students with bachelor's degrees who are non-degree seeking. The requirements for each are described below.

### Note:

International students must meet the same standards required of all candidates. In addition, based on state law, prior to admission they are required to take all sections of the TOEFL, meeting state standards through transcript review.

## Undergraduate Program

### A. Admission Gateway #1

#### 1. Pass criminal history check.

Texas law requires that all students in field experiences and student teaching must satisfactorily complete a criminal background review. Any student who cannot be cleared to teach because of a criminal record will not be allowed to student teach and cannot obtain teacher certification. Students who may be unable to clear a criminal background review are urged to clarify their ability to teach before considering the Educator Preparation Program. (See Felony or Misdemeanor Conviction.) A pre-check process is available through the Texas Education Agency for those who want to verify their status in this regard.

#### 2. Pass the College of Education interview and writing sample.

#### 3. Successfully complete EDUC 3315 with a grade of "C" or better.

4. As part of the admission process into the Educator Preparation Program, satisfy an Academic Proficiency requirement. Because of shifting state requirements, prospective students should consult the current standard as posted on the College of Education site on the UMHB web page— or through the Gateway pages on the student's MyCampus home page. The required scores must be submitted to the UMHB Certification Coordinator no later than the semester when the student takes EDUC 3315.

#### 5. Sign and adhere to the Texas Educators' Code of Ethics statement.

#### 6. Earn a cumulative GPA of 2.75 or higher.

#### 7. Submit a signed DOE FERPA form.

#### 8. Complete 12 or more hours in the content field (15 if math or science). A GPA of 2.5 or higher is required in these courses.

#### 9. Submit an application for admission into the program. (This is not the same as admittance into the university)

Students apply via Gateway #1 on their MyCampus account page. Students who meet all program requirements will be issued an invitation to join the Educator Preparation Program.

#### 10. Accept the invitation for admission. Per state law, a student must accept the invitation for admittance.

#### 11. Demonstrate and maintain a "disposition to teach." Research reveals specific behaviors exhibited by successful educators. These are described on the College of Education Student Handbook.

NOTE: A minimum of 18 hours must be taken after acceptance into the Educator Preparation Program but prior to student teaching. Students are encouraged to take EDUC 3315 by the end of the second semester sophomore year. Failure to meet program standards at that point may delay the student's graduation.

## B. Student Teaching – Gateway #2

#### 1. Senior standing with no more than 6 semester hours remaining (with special permission from the Dean) to meet the degree plan requirements after the semester of student teaching.

##### a. All professional development courses must be completed before student teaching.

##### b. Students working toward 7-12, and all-level certification may student teach if they lack no more than one course in the area(s) of certification. (with special permission from the Dean)

#### 2. Completion of all state compliance standards (as per the Texas Education Agency, the Texas Education Code, and the Texas Administrative Code. This includes field experiences. Many of the teacher preparation courses offered at UMHB are "field-based," meaning that they are taught on public school campuses so that teacher

candidates receive hands-on experience. Students who take the regular, daytime classes will automatically get sufficient hands-on experience. Students who take education coursework in night classes or summer sessions are required to complete field hours during a subsequent semester.

3. A grade of “C” or higher in public speaking.
4. A GPA or 3.0 or higher in each of the following areas that appears on the degree plan (with no grade lower than a “C”): (a) pedagogy and professional development; (b) certification area for secondary or special areas; (c) academic specialization or academic support; and (d) EDSP. Each block is calculated separately.
5. A completed application submitted to the Educator Preparation Program. Applications are submitted via Gateway #2 on the student’s MyCampus account page. Applications for student teaching should be in the College of Education Office by April 1 for individuals planning to student teach the following fall semester or October 1 for individuals planning to student teach the following spring semester.

Note - Students are placed for student teaching in one of 16 public school districts within a 60-mile radius of UMHB. Placements are determined by the Director of Field Experiences.

### **C. Certification– Gateway #3**

1. Completion of all program requirements as indicated in Gateways 1-3. (The Gateways may be accessed on the student’s MyCampus account page.)
  2. Completion of a baccalaureate degree.
  3. Completion of the UMHB Educator Preparation Program, including meeting and maintaining the GPA requirements.
  4. Passing score on the specific TExES (certification) examination(s) for the certificate sought, as prescribed by the State of Texas under the Texas Education Agency, Texas Administrative Code, and Texas Education Code.
  5. Recommendation from the Educator Preparation Program via the Certification Coordinator.
  6. Submission of an official fingerprinting report to the state certification system.
  7. Application to the state certification system, along with required fees.
  8. Submission of the UMHB application form for certification to the UMHB College of Education.
- All requirements as prescribed by the State of Texas certification office and the Texas Education Agency must be completed and application made for initial certification within one (1) year of graduation. Students who return to the university after that time may be required to take additional coursework or to provide additional evidence of proficiency in the certification area sought.

### **Post-Baccalaureate Program**

UMHB meets all requirements for persons with Bachelor’s Degrees seeking initial teacher certification through approved Texas colleges and universities (Post-Baccalaureate Certification). Chapter 21.049, Texas Education Code. The Post-Baccalaureate Program is coordinated by the Director of Graduate Programs in Education as part of the Master’s with Teaching Certification program. Coursework for completing the content of the master’s program is addressed in the Graduate Catalog. However, participation in the Educator Preparation Program is required as follows:

#### **A. Admission – Gateway #1**

Each candidate for an initial teaching certificate who possesses a bachelor’s degree from an accredited institution must submit the following in order to be considered for Educator Preparation Program entry:

1. Official transcript verifying Bachelor’s degree.
2. Passed PACT (TExES) content exam in an area consented to by the Director of Graduate Studies and the Certification Coordinator.
3. Signed DOE FERPA form.
4. Signed Educator Code of Ethics form.
5. Permission for criminal background check. Note: The Texas Education Agency provides an opportunity for students to do a pre-check of criminal history to ensure they will not be blocked from teaching or field experiences.
6. Interview, transcript review, and acceptable writing sample with the Director of Master’s Programs in Education.
7. Documentation of GPA of 2.75 or higher for previous degree conferred or on last 60 hours of coursework.
8. Demonstrated competence in educational technology and in public speaking, through coursework or through prior experiences verified by the program director.
9. Application for admission via Gateway #1 on the student’s MyCampus account page. If the student has met all program requirements at this point, an invitation to join the Educator Preparation Program will be extended.
10. Acceptance of invitation, as per state law.

#### **B. Student Teaching or Internship – Gateway #2**

1. Completion of all state compliance standards (as per the Texas Education Agency, the Texas Education Code, and the Texas Administrative Code. This includes field experiences. Many of the teacher preparation courses offered at UMHB are “field-based,” meaning that they are taught on public school campuses so that teacher candidates receive hands-on experience. Post-bac students should contact the Director of Field Experiences early to set up field hours during the semester prior to the internship or student teaching.

2. Cumulative GPA of 2.75 or higher and GPA of 3.0 in pedagogy courses.
3. A completed application submitted to the Educator Preparation Program. (This is not the same as application to the graduate program at UMHB). Applications are submitted via Gateway #2 on the student's MyCampus account page. Applications must be in the Education Office by April 1 for individuals planning to student teach the following fall semester or October 1 for individuals planning to student teach the following spring semester. Internships begin in the fall of each school year ONLY. Applications for a fall internship must be submitted by April 1.

Note - Students are placed for student teaching in one of 16 public school districts within a 60-mile radius of UMHB. Placements are determined by the Director of Field Experiences. Interns are required to secure their own positions as teachers of record for the internship and to submit their Teacher Service Record to the Certification Coordinator at UMHB verifying their year of completion.

### **C. Certification – Gateway #3**

1. Successful completion of a one-year internship as the teacher of record OR successful completion of one semester of student teaching.
  2. Master's degree posted by the Registrar.
  3. Completion of the UMHB Educator Preparation Program, including meeting and maintaining the required GPA.
  4. Satisfactory passing score on all required TExES exams, as prescribed by state statute.
  5. Recommendation for certification from the UMHB Educator Preparation Program via the Certification Coordinator.
  6. Submission of an official fingerprinting report to the state certification system.
  7. Application to the state certification system.
  8. Submission of the UMHB application form for certification to the UMHB College of Education.
- All requirements as prescribed by the State of Texas certification office and the Texas Education Agency must be completed and application made for initial certification within one (1) year of graduation. Students who return to the university after that time may be required to take additional coursework or to provide additional evidence of proficiency in the certification area sought.

### **Teaching MyWay Alternative Certification Program (See catalog for the MyWay program)**

Entry into and coursework for the Teaching MyWay Alternative Certification Program must be approved by the Certification Coordinator in conjunction with the Dean and his/her designee. The program may include online and competency-based modules as well as face-to-face

coursework, field experiences, and student teaching/internship. Satisfactory admission standards align with those required for the Master's with Teaching Certification.

### **A. Admission – Gateway #1**

Students with bachelor's degrees who are non-degree seeking candidates must meet all admission requirements for the post-bac program with the exception of the interview with the College's Director of Graduate Programs in Education. The interview for candidates in this program will be conducted by the Associate Dean or Dean for the College of Education.

### **B. Student Teaching or Internship – Gateway #2**

Requirements in this area are the same as for the post-baccalaureate program listed above.

### **C. Certification – Gateway #3**

Requirements in this area are the same as for the post-baccalaureate program listed above, with the exception that no posting of a degree is required.

### **State Guidelines for All Certification Paths**

Candidates are required to:

1. Be of good moral character.
2. Be a citizen of or be legally eligible to be employed in the United States.
3. Be at least 18 years old.
4. Believe in and uphold the Constitution of the United States and the State of Texas.
5. Speak and understand the English language.
6. Submit an application for certification and appropriate fee.
7. Adhere to and support with the ethics code.

### **Felony or Misdemeanor Conviction**

"In accordance with Article 6252-13c, Texas Civil Statutes, the commissioner of education may suspend or revoke a teaching certificate, or refuse to issue a teaching certificate for a person who has been convicted of a felony or misdemeanor for a crime which directly relates to duties and responsibilities of the teaching profession."

All applicants for Texas certificates will be screened (fingerprinted) for a record of felony or misdemeanor conviction through the Texas Department of Public Safety (DPS) and the Federal Bureau of Investigation (FBI). Dismissal from Public School Campuses:

UMHB works in partnership with several area independent school districts. In the event that a student teacher or intern is prevented from returning to a school to which he or she was assigned, procedures are in place to address the issue. These are available on the College of Education website.

**Certification Areas for Preparation of Teachers** (Note: For students in the Post-Baccalaureate program, other certification areas may be available. This should be determined through a meeting with the Certification Coordinator.)  
Elementary Level

Certificate areas include:

BA Core Subjects EC-6

BS Core Subjects EC-6

Interdisciplinary Studies

Certificate areas include: EC-6 Core Subjects and EC-12 Special Education with additional coursework addressing ESL

BA Interdisciplinary Studies

BS Interdisciplinary Studies

Middle Level

Certificate areas include:

BS Core Subjects 4-8

Secondary Certificate areas (typically 7-12) include:

BA English Language Arts and Reading

BA History

BS History

BS Life Sciences

BA Mathematics

BS Mathematics

BS Science

BA Social Studies

BS Social Studies

BA Speech Communication

All Level

BFA All-level Art

BM All-level Music

BS All-level Physical Education

BA All-Level Spanish

## BACHELOR OF SCIENCE IN EDUCATION (BSED)

### II. PROFESSIONAL COURSEWORK

#### A. Academic Support Courses – 27 hours

|           |   |   |
|-----------|---|---|
| EDUC 3330 | Social Studies Strategies                     | 3 |
| EDUC 3364 | Behavior Interventions and Modifications      | 3 |
| EDUC 4315 | Survey of Special Populations                 | 3 |
| EDUC 4320 | Interdisciplinary Math and Science Strategies | 3 |
| EDUC 4375 | Advanced Literacy                             | 3 |

|           |   |   |
|-----------|---|---|
| EDSL 4310 | Pedagogy and Assessment for Teachers of English Language Learners (ELL) | 3 |
| READ 3320 | Emergent Literacy   | 3 |
| READ 3624 | Reading & Language Arts   | 6 |

3.0 GPA required in this block

#### B. Professional Development Sequence – 21 hours

This area shall consist of upper-level courses including two sections of student teaching:

|           |                                   |   |
|-----------|-----------------------------------|---|
| EDUC 3315 | Students and Learning             | 3 |
| EDUC 4324 | Classroom Management              | 3 |
| EDUC 4328 | Curriculum Design I               | 3 |
| EDUC 4501 | Student Teaching I                | 5 |
| EDUC 4502 | Student Teaching II               | 5 |
| EDUC 4250 | Certification Preparation Seminar | 2 |

Admission to Teacher Education Program-

\*Cumulative GPA must be a minimum of 2.75

\* A minimum 3.00 GPA and no grade lower than a "C" are required in academic support & professional development

#### C. Electives- 9 hours

Students planning to certify in Special Education must take 6 hours in additional SPED courses in lieu of electives.

## SECONDARY (7-12) AND ALL LEVEL (EC-12) CERTIFICATION

### I. COURSES

#### A. 7-12 Certification – 27 hours

Educator preparation for teachers planning to teach at the upper middle and high school levels in math, science, English, and social studies/history consists of 15 semester hours of upper-level education courses, plus student teaching.

|           |                        |   |
|-----------|------------------------|---|
| EDUC 3315 | Students and Learning  | 3 |
| EDUC 4328 | Curriculum Design I    | 3 |
| EDUC 4324 | Classroom Management   | 3 |
| EDUC 4385 | Educational Internship | 3 |
| READ 4326 | Disciplinary Literacy  | 3 |

#### Student Teaching 7-12

|           |                                   |   |
|-----------|-----------------------------------|---|
| EDUC 4250 | Certification Preparation Seminar | 2 |
| EDUC 4502 | Student Teaching II               | 5 |
| EDUC 4501 | Student Teaching I                | 5 |

#### B. All-Level – 22-27 hours depending on field

The following applies to certification in Early Childhood through Grade 12 for Art, Music, Spanish, Speech, and P.E. (Note the exceptions for certification in Music and in P.E.)

All level Educator Preparation is area consists of 15 semester the following hours of upper-level education courses, plus student teaching.

|           |                        |   |
|-----------|------------------------|---|
| EDUC 3315 | Students and Learning  | 3 |
| EDUC 4328 | Curriculum Design I    | 3 |
| EDUC 4324 | Classroom Management   | 3 |
| EDUC 4385 | Educational Internship | 3 |
| READ 4326 | Disciplinary Literacy  | 3 |

EDUC 4385: Waived for Music and Art Majors

READ 4326: Waived for EC-12 P.E.

Student Teaching EC-12 Art, Spanish, P.E., and Speech

|           |                                   |   |
|-----------|-----------------------------------|---|
| EDUC 4250 | Certification Preparation Seminar | 2 |
| EDUC 4502 | Elementary Student Teaching II    | 5 |
| EDUC 4501 | Student Teaching I                | 5 |

In order to be eligible to begin student teaching, students must complete the professional development courses, with a GPA of at least 3.00 in these four courses.

Students may not begin the student teaching semester until all requirements for admission to the Educator Preparation Program have been met. It is strongly recommended that students take only Student Teaching and the certification preparation seminar during the student teaching semester. This recommendation includes the pursuing of graduate courses.

A passing score on at least two Texas Examinations of Educator Standards (TExES) are required for certification.

## II. SEQUENCE

See the academic departments for specific academic courses required for the teaching fields.

The following is the recommended sequence. Students are encouraged to stay with the sequence, even if they go part-time and need more than one semester to complete each semester scheduled. Failure to take Students and Learning (EDUC 3315) during the sophomore year may result in an additional semester of coursework.

### Sophomore Spring Semester

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 3315 | Students and Learning | 3 |
|-----------|-----------------------|---|

### Junior Year (either semester)

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 4324 | Classroom Management  | 3 |
| READ 4326 | Disciplinary Literacy | 3 |
| EDUC 4328 | Curriculum Design I   | 3 |

READ 4326- All but PE

EDUC 4328- All but Music

### Senior Fall Semester

|           |                        |   |
|-----------|------------------------|---|
| EDUC 4385 | Educational Internship | 3 |
|-----------|------------------------|---|

(Except Art and Music majors)

### Senior Spring Semester

|                                   |      |
|-----------------------------------|------|
| Student Teaching                  | 9-10 |
| Certification Preparation Seminar | 1-2  |

## PEDAGOGY AND PROFESSIONAL PRACTICES MINOR

For students seeking teacher certification as a minor, see Secondary and All-Level Certification above.

Students who are not working toward teacher certification may earn a non-certifying education minor (21 semester hours) in education. The non-certifying education minor consists of EDUC 4313, 3315, 4328, 4324, READ 4326, and 6 additional hours in education, reading and/or special education. EDUC 4385 is not an option for non-certifying majors.

## MAYBORN COLLEGE OF HEALTH SCIENCES

### **Dr. Colin Wilborn, FNSCA, FISSN, CSCS\*D, Executive Dean**

#### Purpose

The Mayborn College of Health Sciences is newly formed, bringing together the Scott and White School of Nursing, the School of Exercise and Sport Science, and the School of Health Professions, which houses the Doctor of Physical Therapy program, Master of Arts in Counseling program, Master of Science in Occupational Therapy program (beginning in 2020) and Master of Science in Physician Assistance Program (beginning in 2021).

The college's focus is to prepare well-trained, distinctive leaders in a Christian learning environment for the health science fields. Students will be guided to exude ethical and moral attributes in professionalism, research, and the promotion of healing, wellness and quality of life. We are committed to mentoring and developing these leaders through the various programs within the Mayborn College of Health Sciences with a focus on upholding the vision and mission of the university. Our students receive a robust education and inter-professional, innovative learning opportunities, as well as the chance to go beyond the classroom with hands-on patient-care, research, service, and study-abroad opportunities.

#### Mission

The mission of the Mayborn College of Health Sciences is to engage students in a Christ-centered learning environment where they will develop the knowledge, skills, and interprofessional competencies to become leaders in the complex and dynamic environment of health sciences. The college promotes the integration of health and restoration of the mind, body, and spirit through the preparation of students in a supportive and rigorous academic setting. Our students learn in a student-centered, interprofessional, and innovative learning environment while engaging in opportunities to go beyond the classroom with hands-on learning, research, and service.

#### Vision

The Mayborn College of Health Sciences will deliver graduates who are empowered to lead in their chosen field through a rigorous education in a Christ-centered, service-focused, applied learning environment.

### **School of Exercise and Sport Science (EXSS)**

**Dr. Cliffo Foster, Dean**

The mission of the School of Exercise & Sport Science is to prepare professionals through excellence in teaching, research and service that promote a commitment to healthy behaviors and active lifestyles across the lifespan. The school strives to meet an increasing demand for highly educated professionals capable of a broad range of careers in the health science, educational, performance and sport industries.

**Grades of "C" or better are required in all courses (including BIOL 2440 and BIOL 2441) counting toward Exercise Physiology, All-level Physical Education, Sport Management, and Health Science majors and minors.**

Desirable outcomes for the individual expected to result from this emphasis are a greater understanding of human performance from a physiological, anatomical, kinesiological, and functional standpoint. The exercise scientist excels at assessment, prescription, and the physiological basis for physical fitness. In addition, a high level of physical fitness, improved motor skills, greater neuromuscular coordination, personal and group social skills, refined kinesthetic sense, ability to think and to interpret knowledge, and refined and enlarged appreciation for an understanding of activity performance are expected outcomes.

To reach these desired outcomes, the School provides services through the following:

1. The instructional program of a wide variety of activity classes for all students.
2. A professional certification program for individuals who wish to pursue a career in teaching Early Childhood-12 grade physical education and coaching.
3. A professional preparation program for those that wish to pursue a career in Exercise Physiology.
4. A professional pre-preparation program for individuals who wish to pursue a career in Health Sciences.
5. A professional preparation program for individuals who wish to pursue a career in Sports Management.
6. A professional preparation program for individuals who wish to pursue a career in Fitness Wellness.
7. A professional preparation curriculum program to prepare students who plan to pursue an advanced degree in Exercise Physiology and Sports Administration.

### **EXERCISE PHYSIOLOGY B.S.**

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The B.S. in Exercise Physiology is the major of choice for students that desire to enter this broad field that includes careers in cardiac and pulmonary rehabilitation, performance specialists, strength & condition coaches, exercise physiologists, corporate fitness, and many more. Majors will select one of two concentrations: Strength & Conditioning or Clinical Exercise Physiology. Core coursework will cover core content in the areas of anatomy, nutrition, physiology, exercise testing, and exercise prescription. Concentration coursework will then elaborate on the key differences in the fields of strength & conditioning and the clinical side of exercise physiology and both concentrations require a capstone internship experience. Both concentrations will include classroom and laboratory experience to prepare students for the key certifications in each field.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core –46 hours

see Bachelor of Science Academic Core

Required Activity Courses: EXSS 3135 and EXSS 3107 with a "C" or higher

Required World Cultures: EXSS 2353

Required Research Methods/Internship: EXSS 4398 or EXSS 4370

Required Lab Science: Must include BIOL 2341/2141

### B.S. Exercise Physiology Core –27-30 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| EXSS 2340 | Introduction to Exercise and Sport Science | 3 |
| EXSS 3354 | Performance Nutrition                      | 3 |
| EXSS 3378 | Exercise Psychology                        | 3 |
| EXSS 3390 | Anatomical Kinesiology                     | 3 |
| EXSS 3395 | Physiology of Exercise                     | 3 |
| EXSS 3396 | Physiology of Exercise II                  | 3 |
| EXSS 4344 | Leadership in Health Science               | 3 |
| EXSS 4392 | Tests and Measurements in EXSS             | 3 |
| EXSS 4394 | Exercise Testing and Prescription          | 3 |
| EXSS 4398 | Internship in Exercise Science             | 3 |

\*EXSS 4398 for Clinical Exercise Physiology only

### Clinical Exercise Physiology Concentration

|           |   |   |
|-----------|---|---|
| BIOL 2140 | Human Anatomy & Physiology I Lab        | 1 |
| BIOL 2340 | Human Anatomy & Physiology I            | 3 |
| EXSS 2353 | Lifespan Nutrition                      | 3 |
| EXSS 2355 | Medical Terminology                     | 3 |
| EXSS 3357 | Pharmacology                            | 3 |
| EXSS 4175 | Seminar in ECG Analysis                 | 1 |
| EXSS 4351 | Rehabilitation and Therapeutic Exercise | 3 |
| EXSS 4360 | Pathophysiology of Chronic Disease      | 3 |
| PSYC 3320 | Health Psychology                       | 3 |
| SOCI 4313 | Gerontology                             | 3 |

### Strength & Conditioning Concentration

|           |   |   |
|-----------|---|---|
| BIOL 2340 | Human Anatomy & Physiology I                | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab            | 1 |
| EXSS 2345 | Human Anatomy                               | 3 |
| EXSS 2353 | Lifespan Nutrition                          | 3 |
| EXSS 3379 | Sport Psychology                            | 3 |
| EXSS 4108 | Advanced Olympic Lifting Techniques         | 1 |
| EXSS 4185 | CSCS Seminar                                | 1 |
| EXSS 4315 | Ergogenic Aids in Sport                     | 3 |
| EXSS 4319 | Program Design in Strength and Conditioning | 3 |
| EXSS 4335 | Biomechanics of Human Movement              | 3 |
| EXSS 4350 | Principles of Strength and Conditioning     | 3 |
| EXSS 4351 | Rehabilitation and Therapeutic Exercise     | 3 |
| EXSS 4370 | Internship in S&C                           | 3 |

### Required Support Courses for the Major:

|           |                                   |   |
|-----------|-----------------------------------|---|
| BIOL 2340 | Human Anatomy & Physiology I      | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab  | 1 |
| BIOL 2341 | Human Anatomy & Physiology II     | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| EXSS 3107 | Advanced Cardiovascular Training  | 1 |
| EXSS 3135 | Advanced Resistance Training      | 1 |

Grades of "C" or better are required in all courses (including support courses) counting toward the Exercise Physiology major.

## EXERCISE PHYSIOLOGY (B.S.) CONCENTRATION IN CEP COURSES OF STUDY BY YEAR

### Freshman Year

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |



|                              |  |   |   |  |        |
|------------------------------|--|---|---|--|--------|
| CSBS 1311                    | Engaging the Old Testament                 | 3 | EXSS 4392   | Tests and Measurements in EXSS             | 3      |
| CSBS 1312                    | Engaging the New Testament                 | 3 | EXSS 4398   | Internship in Exercise Science             | 3      |
| EXSS 2340                    | Introduction to Exercise and Sport Science | 3 | SOCI 4313   | Gerontology Electives                      | 3<br>9 |
| UMHB 1101                    | Freshman Seminar                           | 1 | UMHB 1005   | World Ideas                                | 3      |
| COMM 1320                    | Public Speaking                            | 3 |   | Fine Arts Experience X 2                   |        |
| PSYC 1301                    | General Psychology                         | 3 | <b>EXERCISE PHYSIOLOGY (B.S.)<br/>CONCENTRATION IN S&amp;C COURSES OF STUDY BY YEAR</b> |  |        |
| EXSS 2353                    | Scientific Inquiry                         | 3 |   |  |        |
|                              | Lifespan Nutrition                         | 3 |   |  |        |
|                              | or   |   |   |  |        |
| UMHB 1002                    | Social Science                             | 3 | <b>Freshman Year</b>  |  |        |
| UMHB 1005                    | Chapel X 2                                 |   | ENGL 1321   | Rhetoric & Composition I                   | 3      |
|                              | Fine Arts Experience X 2                   |   | ENGL 1322   | Rhetoric & Composition II                  | 3      |
| Summer: MATH 1304: or higher |  |   | CSBS 1311   | Engaging the Old Testament                 | 3      |
| <b>Sophomore Year</b>        |  |   | CSBS 1312   | Engaging the New Testament                 | 3      |
| ENGL                         | Literature                                 | 6 | EXSS 2340   | Introduction to Exercise and Sport Science | 3      |
| BIOL 2340                    | Human Anatomy & Physiology I               | 3 | UMHB  | Freshman Seminar                           | 1      |
| BIOL 2140                    | Human Anatomy & Physiology I Lab           | 1 | 1101  |  |        |
| BIOL 2341                    | Human Anatomy & Physiology II              | 3 | COMM  | Public Speaking                            | 3      |
| BIOL 2141                    | Human Anatomy & Physiology II Lab          | 1 | 1320  |  |        |
| SOCI 1311                    | Introduction to Sociology                  | 3 | PSYC 1301   | General Psychology                         | 3      |
|                              | Fine Arts                                  | 3 |   | Scientific Inquiry                         | 3      |
| EXSS 3354                    | Performance Nutrition                      | 3 | EXSS 2353   | Lifespan Nutrition                         | 3      |
| EXSS 3378                    | Exercise Psychology                        | 3 | UMHB  | Chapel X 2                                 |        |
|                              | Elective courses                           | 6 | 1002  |  |        |
| UMHB 1002                    | Chapel X 2                                 |   | UMHB 1005   | Fine Arts Experience X 2                   |        |
| UMHB 1005                    | Fine Arts Experience X 2                   |   | Summer: MATH 1304: or higher  |  |        |
| <b>Junior Year</b>           |  |   | *Lifespan Nutrition is recommended but not required                                     |  |        |
| EXSS 3379                    | Sport Psychology                           | 3 | <b>Sophomore Year</b>   |  |        |
| EXSS 3390                    | Anatomical Kinesiology                     | 3 | ENGL  | Literature                                 | 6      |
| EXSS 3395                    | Physiology of Exercise                     | 3 | BIOL 2340   | Human Anatomy & Physiology I               | 3      |
| EXSS 3396                    | Physiology of Exercise II                  | 3 | BIOL 2140   | Human Anatomy & Physiology I Lab           | 1      |
| EXSS 3107                    | Advanced Cardiovascular Training           | 1 | BIOL 2341   | Human Anatomy & Physiology II              | 3      |
| EXSS 3135                    | Advanced Resistance Training               | 1 | BIOL 2141   | Human Anatomy & Physiology II Lab          | 1      |
| EXSS 4394                    | Exercise Testing and Prescription          | 3 | EXSS 2345   | Human Anatomy                              | 3      |
| PSYC 3320                    | Health Psychology                          | 3 |   | Fine Arts                                  | 3      |
|                              | Lab Science                                | 4 |   | Social Science                             | 3      |
|                              | Electives                                  | 9 |   | Electives                                  | 6      |
| UMHB 1005                    | Fine Arts Experience X 2                   |   | UMHB  | Chapel X 2                                 |        |
| <b>Senior Year</b>           |  |   | 1002  |  |        |
| EXSS 3357                    | Pharmacology                               | 3 | UMHB 1005   | Fine Arts Experience X 2                   |        |
| EXSS 4360                    | Pathophysiology of Chronic Disease         | 3 | <b>Junior Year</b>  |  |        |
| EXSS 4175                    | Seminar in ECG Analysis                    | 1 | EXSS 3354   | Performance Nutrition                      | 3      |
| EXSS 4344                    | Leadership in Health Science               | 3 | EXSS 3379   | Sport Psychology                           | 3      |
|                              |  |   | EXSS 3390   | Anatomical Kinesiology                     | 3      |
|                              |  |   | EXSS 3395   | Physiology of Exercise                     | 3      |
|                              |  |   | EXSS 3396   | Physiology of Exercise II                  | 3      |

|                    |   |   |
|--------------------|---|---|
| EXSS 3107          | Advanced Cardiovascular Training            | 1 |
| EXSS 3135          | Advanced Resistance Training                | 1 |
| EXSS 4335          | Biomechanics of Human Movement              | 3 |
| EXSS 4392          | Tests and Measurements in EXSS              | 3 |
| EXSS 4398          | Internship in Exercise Science Lab Science  | 4 |
|                    | Elective(s)                                 | 3 |
| UMHB 1005          | Fine Arts Experience X 2                    |   |
| <b>Senior Year</b> |   |   |
| EXSS 4108          | Advanced Olympic Lifting Techniques         | 1 |
| EXSS 4315          | Ergogenic Aids in Sport                     | 3 |
| EXSS 4394          | Exercise Testing and Prescription           | 3 |
| EXSS 3379          | Sport Psychology                            | 3 |
| EXSS 4319          | Program Design in Strength and Conditioning | 3 |
| EXSS 4344          | Leadership in Health Science                | 3 |
| EXSS 4351          | Rehabilitation and Therapeutic Exercise     | 3 |
| EXSS 4370          | Internship in S&C                           | 3 |
| EXSS 4185          | CSCS Seminar                                | 1 |
|                    | Elective(s)                                 | 3 |
|                    | World Ideas                                 | 3 |
| UMHB 1005          | Fine Arts Experience X 2                    |   |

## EXERCISE SCIENCE MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 24 hours

6 hours upper level at UMHB

|           |  |   |
|-----------|--|---|
| EXSS 2340 | Introduction to Exercise and Sport Science | 3 |
| EXSS 2352 | Personal Health and Fitness                | 3 |
| EXSS 3135 | Advanced Resistance Training               | 1 |
| EXSS 3107 | Advanced Cardiovascular Training           | 1 |
| EXSS 3141 | Exercise and Sport Science Practicum       | 1 |
| EXSS 3354 | Performance Nutrition                      | 3 |
| EXSS 3390 | Anatomical Kinesiology                     | 3 |
| EXSS 3395 | Physiology of Exercise                     | 3 |
| EXSS 4344 | Leadership in Health Science               | 3 |
| EXSS 4392 | Tests and Measurements in EXSS             | 3 |

Grades of "C" or better required in all courses in the Exercise Science Minor.

## HEALTH SCIENCE, B.S.

The B.S. in Health Science is for students that desire to pursue a doctorate in Physical Therapy, a graduate degree in Occupational Therapy, a graduate degree in Physician

Assistant, other graduate degrees in health professions or other closely related health science professions. Coursework will cover an in-depth core of anatomy, exercise physiology, rehabilitation practices, biomechanics and human movement science courses. Each student will choose a concentration in either Chiropractic, Physical Therapy, Physician's Assistant or Occupational Therapy in order to complete the various per-requisites for graduate schools in Texas. Students may declare as a Health Science major at any time if they have completed less than 60 hours of course work. Following the completion of 60 hours, a Health Science major is required to maintain a minimum cumulative 3.2 GPA. A student who has a GPA lower than the minimum requirements will be required to change their major.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core –46 hours

see Bachelor of Science Academic Core

Required Activity Courses: EXSS 3135 and EXSS 3107 with a "C" or higher

Required Research Methods/Internship: Fulfilled in Concentration

Required Lab Science: Must include BIOL 2341/2141 and PHYS 2411

Required Social Science: PSYC 1301

#### B.S. Health Science Core- 25 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                                    |   |
|-----------|------------------------------------|---|
| EXSS 2335 | Introduction to Health Sciences    | 3 |
| EXSS 2345 | Human Anatomy                      | 3 |
| EXSS 2355 | Medical Terminology                | 3 |
| EXSS 3357 | Pharmacology                       | 3 |
| EXSS 3390 | Anatomical Kinesiology             | 3 |
| EXSS 3395 | Physiology of Exercise             | 3 |
| EXSS 3396 | Physiology of Exercise II          | 3 |
| EXSS 4360 | Pathophysiology of Chronic Disease | 3 |
| EXSS 4103 | Seminar in Health Sciences         | 1 |
| EXSS 4050 | Health Science Assessment          | 0 |

#### Pre-Chiropractic Concentration

|           |                                |   |
|-----------|--------------------------------|---|
| EXSS 3170 | Health Science Clinical I      | 1 |
| EXSS 4170 | Health Science Clinical II     | 1 |
| EXSS 2353 | Lifespan Nutrition             | 3 |
| EXSS 4335 | Biomechanics of Human Movement | 3 |

|           |   |   |
|-----------|---|---|
| EXSS 4351 | Rehabilitation and Therapeutic Exercise | 3 |
| EXSS 4394 | Exercise Testing and Prescription       | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab      | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells          | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab        | 1 |
| BIOL 2340 | Human Anatomy & Physiology I            | 3 |
| BIOL 3175 | Human Physiology Lab                    | 1 |
| BIOL 3375 | Human Physiology                        | 3 |
| MATH 1320 | Pre Calculus                            | 3 |
| PHYS 2411 | General Physics I                       | 4 |

Pre-Chiropractic Concentration minimum cumulative GPA of 3.2 is required

#### Pre-Med Concentration

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab   | 1 |
| BIOL 2340 | Human Anatomy & Physiology I       | 3 |
| BIOL 3310 | Genetics                           | 3 |
| BIOL 3175 | Human Physiology Lab               | 1 |
| BIOL 3375 | Human Physiology                   | 3 |
| CHEM 1420 | General Chemistry II               | 4 |
| CHEM 3410 | Organic Chemistry I                | 4 |
| CHEM 3420 | Organic Chemistry II               | 4 |
| CHEM 4430 | Biochemistry                       | 4 |
| EXSS 3170 | Health Science Clinical I          | 1 |
| EXSS 4170 | Health Science Clinical II         | 1 |
| MATH 1320 | Pre Calculus                       | 3 |
| PHYS 2411 | General Physics I                  | 4 |
| PHYS 2412 | General Physics II                 | 4 |
| PSYC 2311 | Developmental Psychology           | 3 |
| PSYC 3315 | Abnormal Psychology                | 3 |

Grades of "C" or better are required in all courses in the Pre-Med major (including required support courses and required courses from other departments.) Minimum cumulative GPA of 3.2.

#### Pre-OT Concentration

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |

|           |   |   |
|-----------|---|---|
| BIOL 2140 | Human Anatomy & Physiology I Lab        | 1 |
| BIOL 2340 | Human Anatomy & Physiology I            | 3 |
| EXSS 3170 | Health Science Clinical I               | 1 |
| EXSS 4170 | Health Science Clinical II              | 1 |
| EXSS 4335 | Biomechanics of Human Movement          | 3 |
| EXSS 4351 | Rehabilitation and Therapeutic Exercise | 3 |
| EXSS 4392 | Tests and Measurements in EXSS          | 3 |
| EXSS 4395 | Motor Behavior                          | 3 |
| MATH 1320 | Pre Calculus                            | 3 |
| MATH 2303 | Statistics                              | 3 |
| PSYC 2311 | Developmental Psychology                | 3 |
| PSYC 3315 | Abnormal Psychology                     | 3 |
| SOCI 1311 | Introduction to Sociology               | 3 |

Grades of "C" or better are required in all courses in the Pre-Occupational Therapy major (including required support courses and required courses from other departments.) Minimum cumulative GPA of 3.2.

#### Pre-PA Concentration

|           |                                    |   |
|-----------|------------------------------------|---|
| EXSS 3170 | Health Science Clinical I          | 1 |
| EXSS 4170 | Health Science Clinical II         | 1 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |
| BIOL 2180 | Microbiology Lab                   | 1 |
| BIOL 2380 | Microbiology                       | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab   | 1 |
| BIOL 2340 | Human Anatomy & Physiology I       | 3 |
| BIOL 3310 | Genetics                           | 3 |
| BIOL 4105 | Cell Biology Lab                   | 1 |
| BIOL 4305 | Cell Biology                       | 3 |
| CHEM 1420 | General Chemistry II               | 4 |
| CHEM 3410 | Organic Chemistry I                | 4 |
| CHEM 4430 | Biochemistry                       | 4 |
| PSYC 2311 | Developmental Psychology           | 3 |
| PSYC 3315 | Abnormal Psychology                | 3 |

Grades of "C" or better are required in all courses in the Pre-Physician Assistant major (including required support courses and required courses from other departments.) Minimum cumulative GPA of 3.2.

#### Pre-PT Concentration

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
|-----------|------------------------------------|---|

|           |   |   |
|-----------|---|---|
| BIOL 1350 | Biomolecules, Genes, and Cells          | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab        | 1 |
| BIOL 2340 | Human Anatomy & Physiology I            | 3 |
| BIOL 3175 | Human Physiology Lab                    | 1 |
| BIOL 3375 | Human Physiology                        | 3 |
| CHEM 1410 | General Chemistry I                     | 4 |
| CHEM 1420 | General Chemistry II                    | 4 |
| MATH 1320 | Pre Calculus                            | 3 |
| MATH 2303 | Statistics                              | 3 |
| PHYS 2412 | General Physics II                      | 4 |
| EXSS 3170 | Health Science Clinical I               | 1 |
| EXSS 4170 | Health Science Clinical II              | 1 |
| EXSS 4171 | Health Science Clinical III             | 1 |
| EXSS 4335 | Biomechanics of Human Movement          | 3 |
| EXSS 4351 | Rehabilitation and Therapeutic Exercise | 3 |
| EXSS 4395 | Motor Behavior                          | 3 |
| PSYC 2311 | Developmental Psychology                | 3 |
|           | or                                      |   |
| PSYC 3315 | Abnormal Psychology                     | 3 |

Grades of "C" or better are required in all courses in the Pre-Physical Therapy major (including required support courses and required courses from other departments.)  
Minimum cumulative GPA of 3.2.

## EC-12 PHYSICAL EDUCATION

The B.S in EC-12 Physical Education at UMHB has a longstanding history of preparing outstanding teachers and coaches. The goal of the major is to prepare students to become expert teachers and coaches in a field that can enhance the health and vitality of students through the promotion of lifelong physical activity. Majors in this degree will have the opportunity to choose from one of two concentrations: A) Physical Education Teacher Certification or B) Sports Coaching. Students who choose and complete the teacher certification program are eligible to teach physical education and coach in public and private schools, kindergarten through twelfth grade. Students who choose the sports coaching option will be able to pursue their passion for coaching and take advantage of other opportunities in the coaching field without a teaching certificate.

Both concentrations will share a common core of classes that will give students the expertise to excel as both a physical education teacher as well as a sports coach. Students will have the opportunity to actively participate in courses that provide "real-world" applications such as the ability to work outside of the classroom setting as a

volunteer coach or as a student mentor. At the culmination of their degree, our graduates are poised to positively impact students by enabling them to develop skills, knowledge, and attitudes necessary to pursue health and to be physically active for a lifetime.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core –46 hours

see Bachelor of Science Academic Core

Required Activity Courses: EXSS 3135 and EXSS 3107 with a "C" or higher

Required Research Methods/Internship: EDUC 4501/EDUC 4502 or EXSS 4398

Required Lab Science: Must include BIOL 2341/2141

Required Social Science: PSYC 1301 with a "C" or higher

### EC-12 Physical Education Core

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| EXSS 2340 | Introduction to Exercise and Sport Science           | 3 |
| EXSS 2350 | Prevention and Care of Athletic Injuries             | 3 |
| EXSS 2352 | Personal Health and Fitness                          | 3 |
| EXSS 3141 | Exercise and Sport Science Practicum                 | 1 |
| EXSS 3300 | Teaching Team and Individual Sports (Theory Course)  | 3 |
| EXSS 3378 | Exercise Psychology                                  | 3 |
| EXSS 3390 | Anatomical Kinesiology                               | 3 |
| EXSS 3395 | Physiology of Exercise                               | 3 |
| EXSS 4310 | Teaching Children and Adolescents Physical Education | 3 |
| EXSS 4344 | Leadership in Health Science                         | 3 |
| EXSS 4392 | Tests and Measurements in EXSS                       | 3 |
| EXSS 4395 | Motor Behavior                                       | 3 |

EXSS 4398 EXSS Internship is required for the Coaching Concentration.

Grade of "C" or better required in all courses in the EXSS core.

### Teaching Certification Concentration

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 2311 | Classroom Technology  | 3 |
| EDUC 3315 | Students and Learning | 3 |
| EDUC 4324 | Classroom Management  | 3 |

|           |                                   |   |
|-----------|-----------------------------------|---|
| EDUC 4328 | Curriculum Design I               | 3 |
| EDUC 4385 | Educational Internship            | 3 |
| EDUC 4250 | Certification Preparation Seminar | 2 |
| EDUC 4501 | Student Teaching I                | 5 |
| EDUC 4502 | Student Teaching II               | 5 |
| EXSS 4104 | Senior Seminar                    | 1 |

Admissions to Teacher Education Program- Cumulative GPA must be a minimum of 2.75. A minimum 3.00 GPA and no grade lower than a "C" are required in certification area & professional development.

### Coaching Concentration

|           |   |   |
|-----------|---|---|
| EXSS 3312 | Methods of Coaching                     | 3 |
| EXSS 3354 | Performance Nutrition                   | 3 |
| EXSS 3360 | Sport Venue/Event Management            | 3 |
| EXSS 3384 | Coaching Theory                         | 3 |
| EXSS 3379 | Sport Psychology                        | 3 |
| EXSS 4180 | Coaching Practicum                      | 1 |
| EXSS 4350 | Principles of Strength and Conditioning | 3 |
| EXSS 4379 | Legal Aspects of Sport                  | 3 |

Grade of "C" or better required in the Coaching Concentration.

### Required Support Courses for the Major:

|           |                                   |   |
|-----------|-----------------------------------|---|
| BIOL 2340 | Human Anatomy & Physiology I      | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab  | 1 |
| BIOL 2341 | Human Anatomy & Physiology II     | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| EXSS 2353 | Lifespan Nutrition                | 3 |
| PSYC 1301 | General Psychology                | 3 |

## EC-12 PHYSICAL EDUCATION TEACHER EDUCATION COURSES OF STUDY BY YEAR

### Freshman Year

|           |  |   |
|-----------|--|---|
| ENGL 1321 | Rhetoric & Composition I                   | 3 |
| ENGL 1322 | Rhetoric & Composition II                  | 3 |
| MATH 1304 | Quantitative Reasoning                     | 3 |
| CSBS 1311 | Engaging the Old Testament                 | 3 |
| CSBS 1312 | Engaging the New Testament                 | 3 |
| BIOL 2340 | Human Anatomy & Physiology I               | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab           | 1 |
| COMM 1320 | Public Speaking                            | 3 |
| EXSS 2340 | Introduction to Exercise and Sport Science | 3 |
|           | Fine Arts                                  | 3 |
| UMHB 1101 | Freshman Seminar                           | 1 |

|           |                          |
|-----------|--------------------------|
| UMHB 1002 | Chapel X 2               |
| UMHB 1005 | Fine Arts Experience X 2 |

Fine Arts: FINA 2330 Recommended

### Sophomore Year

|           |  |   |
|-----------|--|---|
| ENGL      | Literature                               | 6 |
| PSYC 1301 | General Psychology                       | 3 |
| EXSS 2350 | Prevention and Care of Athletic Injuries | 3 |
| EXSS 2352 | Personal Health and Fitness              | 3 |
| EXSS 3390 | Anatomical Kinesiology                   | 3 |
|           | World Ideas                              | 3 |
| BIOL 2341 | Human Anatomy & Physiology II            | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab        | 1 |
|           | Social Science                           | 3 |
| EDUC 3315 | Students and Learning                    | 3 |
|           | Elective                                 | 3 |
| UMHB 1002 | Chapel X 2                               |   |
| UMHB 1005 | Fine Arts Experience X 2                 |   |

### Junior Year

|           |  |   |
|-----------|--|---|
|           | Scientific Inquiry                                   | 3 |
| EDUC 2311 | Classroom Technology                                 | 3 |
| EDUC 4324 | Classroom Management                                 | 3 |
| EDUC 4328 | Curriculum Design I                                  | 3 |
| EXSS 2353 | Lifespan Nutrition                                   | 3 |
| EXSS 3141 | Exercise and Sport Science Practicum                 | 1 |
| EXSS 3300 | Teaching Team and Individual Sports (Theory Course)  | 3 |
| EXSS 3395 | Physiology of Exercise                               | 3 |
| EXSS 3378 | Exercise Psychology                                  | 3 |
| EXSS 3135 | Advanced Resistance Training                         | 1 |
| EXSS 3107 | Advanced Cardiovascular Training                     | 1 |
| EXSS 4310 | Teaching Children and Adolescents Physical Education | 3 |
| EXSS 4104 | Senior Seminar                                       | 1 |
| EXSS 4395 | Motor Behavior                                       | 3 |
| UMHB 1005 | Fine Arts Experience X 2                             |   |

### Senior Year

|           |                                   |   |
|-----------|-----------------------------------|---|
|           | Lab Science (Non Biology)         | 4 |
| EDUC 4385 | Educational Internship            | 3 |
| EDUC 4250 | Certification Preparation Seminar | 2 |
| EDUC 4501 | Student Teaching I                | 5 |
| EDUC 4502 | Student Teaching II               | 5 |
| EXSS 4392 | Tests and Measurements in EXSS    | 3 |
| EXSS 4344 | Leadership in Health Science      | 3 |
|           | Elective                          | 2 |
| UMHB 1005 | Fine Arts Experience X 2          |   |

Subtotal: 124

**EC-12 PHYSICAL EDUCATION COACHING  
COURSES OF STUDY BY YEAR****Freshman Year**

|           |  |   |
|-----------|--|---|
| ENGL 1321 | Rhetoric & Composition I                   | 3 |
| ENGL 1322 | Rhetoric & Composition II                  | 3 |
| MATH 1304 | Quantitative Reasoning                     | 3 |
| CSBS 1311 | Engaging the Old Testament                 | 3 |
| CSBS 1312 | Engaging the New Testament                 | 3 |
| BIOL 2340 | Human Anatomy & Physiology I               | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab           | 1 |
| COMM 1320 | Public Speaking                            | 3 |
| EXSS 2340 | Introduction to Exercise and Sport Science | 3 |
| UMHB 1101 | Fine Arts                                  | 3 |
| UMHB 1002 | Freshman Seminar                           | 1 |
| UMHB 1005 | Chapel X 2                                 |   |
| UMHB 1005 | Fine Arts Experience X 2                   |   |

Fine Arts: FINA 2330 Recommended

**Sophomore Year**

|           |  |   |
|-----------|--|---|
| ENGL      | Literature                               | 6 |
| PSYC 1301 | General Psychology                       | 3 |
| EXSS 2350 | Prevention and Care of Athletic Injuries | 3 |
| EXSS 2352 | Personal Health and Fitness              | 3 |
| EXSS 3390 | Anatomical Kinesiology                   | 3 |
|           | World Ideas                              | 3 |
| BIOL 2341 | Human Anatomy & Physiology II            | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab        | 1 |
|           | Social Science                           | 3 |
| EDUC 3315 | Students and Learning                    | 3 |
|           | Electives                                | 6 |
| UMHB 1002 | Chapel X 2                               |   |
| UMHB 1005 | Fine Arts Experience X 2                 |   |

**Junior Year**

|           |   |   |
|-----------|---|---|
|           | Scientific Inquiry                                  | 3 |
| EXSS 2353 | Lifespan Nutrition                                  | 3 |
| EXSS 3107 | Advanced Cardiovascular Training                    | 1 |
| EXSS 3135 | Advanced Resistance Training                        | 1 |
| EXSS 3141 | Exercise and Sport Science Practicum                | 1 |
| EXSS 3312 | Methods of Coaching                                 | 3 |
| EXSS 3300 | Teaching Team and Individual Sports (Theory Course) | 3 |

|           |  |   |
|-----------|--|---|
| EXSS 3395 | Physiology of Exercise                               | 3 |
| EXSS 3378 | Exercise Psychology                                  | 3 |
| EXSS 3354 | Performance Nutrition                                | 3 |
| EXSS 3384 | Coaching Theory                                      | 3 |
| EXSS 3379 | Sport Psychology                                     | 3 |
| EXSS 4310 | Teaching Children and Adolescents Physical Education | 3 |
| UMHB 1005 | Fine Arts Experience X 2                             |   |

**Senior Year**

|           |   |   |
|-----------|---|---|
|           | Lab Science (Non Biology)               | 4 |
| EXSS 3360 | Sport Venue/Event Management            | 3 |
| EXSS 4180 | Coaching Practicum                      | 1 |
| EXSS 4344 | Leadership in Health Science            | 3 |
| EXSS 4350 | Principles of Strength and Conditioning | 3 |
| EXSS 4379 | Legal Aspects of Sport                  | 3 |
| EXSS 4392 | Tests and Measurements in EXSS          | 3 |
| EXSS 4395 | Motor Behavior                          | 3 |
|           | Elective                                | 2 |
|           | Elective(s)                             | 3 |
| UMHB 1005 | Fine Arts Experience X 2                |   |

Subtotal: 124

**BACHELOR OF SCIENCE IN PUBLIC HEALTH****Health Promotion Concentration****(Pending SACSCOC Approval)**

The Bachelor of Science in Public Health (BSPH) is designed to accommodate undergraduate students who desire an entry-level public health career position, or undergraduate students who are seeking advanced-level public health degrees or an advanced degree in another health professions field. All undergraduate public health courses are offered in a face-to-face format. Coursework will include topics specific to the foundations of health education and health promotion, community and public health, health behavior theories, personal health, human disease, program planning and evaluation in health promotion, as well as an internship and a capstone in public health during the final semester of coursework. Students will have the option to take elective courses in specific topical areas related to public health and health promotion specializations. Students will have the required coursework to sit for the Certified Health Education Specialist (CHES®) examination. Students may declare a Public Health major at any time if they have completed less than 60 hours of coursework. Following the completion of 60 hours, a Public Health major is required to maintain a minimum cumulative 3.0 GPA. A student who has a GPA lower than the minimum 3.0 after 60 hours will be required to change their major.

Since public health encompasses such a wide variety of disciplines, there are many different career options available for those with a degree in public health. Public health careers can be found in local, state, and federal government; nonprofit organizations; businesses and corporations; hospitals; county health departments; universities; and with health foundations and health-based grant projects.

It is important to note that public health degrees do not qualify graduates to work as medical practitioners unless they have further or previous training and experience. For example, some individuals who are already registered nurses seek public health degrees because they have a personal interest or advanced career aspirations, in which case they can continue to work as nurses with extra credentials. Those who study public health usually do not treat patients, but serve a more widespread, behind-the-scenes, organizational role. Someone who has no medical background will be able to seek careers as consultants, advisers and trainers, and political health advocates. Most graduates work on community projects or state and city health advocacy groups, but some will work for national organizations. A person who has a public health degree may also be able to apply his or her skills in a career abroad. Poorer countries can benefit greatly from the knowledge that public health graduates have in the areas of disease prevention and nutrition (Bureau of Labor Statistics, 2019). The bachelor's degree in public health is a standard employment requirement for work in a variety of health promotion settings, such as hospitals, public health departments, wellness centers, and human services agencies.

Health education specialists teach people about behaviors that promote wellness. They develop strategies to improve the well-being of individuals and communities. Health education specialists typically do the following:

- assess the health needs of the people and communities they serve;
- develop programs, materials, and events to teach people about health topics;
- teach people how to manage existing health conditions;
- evaluate the effectiveness of programs and educational materials;
- help people find health services or information;
- provide training programs for community health workers or other health professionals;
- supervise staff who implement health education programs;
- collect and analyze data to learn about a particular community and improve programs and services; and
- advocate for improved health resources and policies that promote health (Bureau of Labor Statistics, 2021).

## PUBLIC HEALTH, HEALTH PROMOTION CONCENTRATION B.S.P.H.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
31 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core –40 hours

see Bachelor of Science in Public Health Academic Core.  
(p. 95)

Required Activity Courses: EXSS 3135 and EXSS 3107

#### Major Required Courses –36 hours

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| BSPH 2335 | Introduction to Health Science                     | 3 |
| BSPH 2350 | Foundations of Health Education and Promotion      | 3 |
| BSPH 2352 | Personal Health and Fitness                        | 3 |
| BSPH 3315 | Community and Public Health                        | 3 |
| BSPH 3320 | Program Planning in Health Education and Promotion | 3 |
| BSPH 4310 | Theories in Health Behavior                        | 3 |
| BSPH 4340 | Health Program Evaluation                          | 3 |
| BSPH 4360 | Pathophysiology of Chronic Disease                 | 3 |
| BSPH 4392 | Tests and Measurements in EXSS                     | 3 |
| BSPH 4344 | Leadership in Health Science                       | 3 |
| BSPH 4350 | Internship in Public Health                        | 3 |
| BSPH 4285 | Capstone in Public Health                          | 2 |
| BSPH 4191 | Seminar in Public Health                           | 1 |

Grades of "C" or better required in all courses in the Public Health major.

#### Health Promotion Concentration

|           |                                  |   |
|-----------|----------------------------------|---|
| MATH 2303 | Statistics                       | 3 |
| SOCI 3325 | Human Diversity                  | 3 |
| BIOL 2340 | Human Anatomy & Physiology I     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab | 1 |
| BIOL 2380 | Microbiology                     | 3 |
| BIOL 2180 | Microbiology Lab                 | 1 |
| SOCI 1311 | Introduction to Sociology        | 3 |
| PSYC 2311 | Developmental Psychology         | 3 |

#### General Electives - to reach 120 hours

Recommended support courses:

EXSS 2355, EXSS 3310, EXSS 3354, EXSS 3376, EXSS 3378, EXSS 3395, EXSS 4395

## BACHELOR OF SPORT MANAGEMENT (B.S.M.)

Sport Management is a dynamic field involving the interdisciplinary study of the management/administration of sport-related organizations and activities. The Sport Management Degree is designed to develop graduates with strong communication and organizational skills in their professional preparation for multi-faceted, sport-related career opportunities.

The degree focuses on the conceptual, managerial, interpersonal, technical, and practical skills that prepare students to become visionary leaders in various areas of the sport industry. The Sport Management Degree prepares students for graduate school, and for a variety of sport specialist entry positions that focus on the administration of sport activities/programs. The mission of the degree is to assist students in the development of skills to organize, administer, and facilitate sport programs at the corporate, agency, professional, and amateur levels.

The primary employment segments within the sport industry involve performance, spectator, participant, consumer, production, planning, purchasing, supervision, advertising, and promotion. Students majoring in Sport Management will be required to complete a field experience designed to provide practical work experiences in professional settings reflecting current trends and professional practices in the sport management arena. The field experience is incorporated subsequent to the student passing EXSS 3107 and will be under the supervision of a qualified on-site professional.

### SPORT MANAGEMENT B.S.M.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
31 HOURS AT UMHB

#### DEGREE REQUIREMENTS

##### Academic Core –40 hours

see Bachelor of Sports Management Academic Core (p. 96)

Required Activity Courses: EXSS 3135 and EXSS 3107

##### Major Required Courses –37 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                                      |   |
|-----------|--------------------------------------|---|
| EXSS 2371 | Principles of Sport Management       | 3 |
| EXSS 3141 | Exercise and Sport Science Practicum | 1 |
| EXSS 3310 | Communication in Sport               | 3 |
| EXSS 3373 | Governance of Sport                  | 3 |

|           |                                |   |
|-----------|--------------------------------|---|
| EXSS 3374 | Sport Promotion/Marketing      | 3 |
| EXSS 3360 | Sport Venue/Event Management   | 3 |
| EXSS 4375 | Ethics in Sport                | 3 |
| EXSS 4376 | Leadership Principles in Sport | 3 |
| EXSS 4377 | Field Experience               | 3 |
| EXSS 4378 | Sport Finance                  | 3 |
| EXSS 4379 | Legal Aspects of Sport         | 3 |

##### Two of the following:

|           |                                      |   |
|-----------|--------------------------------------|---|
| EXSS 3315 | Sport and Media Technology           | 3 |
| EXSS 3372 | Sociology of Sport                   | 3 |
| EXSS 3375 | Economics in Sport                   | 3 |
| EXSS 3376 | Research Methods in Sport Management | 3 |
| EXSS 3377 | International Sport Management       | 3 |

Grades of “C” or better required in all courses in the Sport Management major.

Students majoring in Sport Management must choose a minor pertinent to the student's desired profession.

## SPORT MANAGEMENT MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 24 hours

6 hours upper level at UMHB

|           |                                |   |
|-----------|--------------------------------|---|
| EXSS 2371 | Principles of Sport Management | 3 |
| EXSS 3374 | Sport Promotion/Marketing      | 3 |
| EXSS 4376 | Leadership Principles in Sport | 3 |
| EXSS 4378 | Sport Finance                  | 3 |
| EXSS 4379 | Legal Aspects of Sport         | 3 |

##### Three of the following:

|           |                                      |   |
|-----------|--------------------------------------|---|
| EXSS 3310 | Communication in Sport               | 3 |
| EXSS 3315 | Sport and Media Technology           | 3 |
| EXSS 3360 | Sport Venue/Event Management         | 3 |
| EXSS 3372 | Sociology of Sport                   | 3 |
| EXSS 3373 | Governance of Sport                  | 3 |
| EXSS 3375 | Economics in Sport                   | 3 |
| EXSS 3376 | Research Methods in Sport Management | 3 |
| EXSS 3377 | International Sport Management       | 3 |
| EXSS 4375 | Ethics in Sport                      | 3 |

Grades of “C” or better required in all courses in the Sport Management minor.

This minor may be selected by any EXSS major and is also available to students majoring in academic programs other than EXSS.

## Scott & White School of Nursing

**Dr. Michele Hackney, RN, CNE, Dean**



**Dr. Tracy Booth, RN Associate, Dean****Mission**

The mission of the Scott & White School of Nursing is to prepare excellent professional nurses who contribute to the health and welfare of individuals, families, and communities in diverse health care environments. The School of Nursing strives to prepare graduates to become leaders in the profession, life-long learners, and community servants who practice nursing based on Christian values and professional principles.

**Scott & White School of Nursing****Philosophy**

The Scott & White School of Nursing is an integral part of the Mayborn College of Health Sciences and the University. The philosophy of the School of Nursing is consistent with the purpose of the University, which emphasizes instruction in a Christian environment and service to individual students and the community.

The School of Nursing prepares graduates who, as professional nurses, contribute to the health and welfare of the individual, the family, and the community. This outcome, supported by the liberal arts foundation and the nursing curriculum, enables graduates to realize their own potential as individual citizens and practitioners in the health care system. The curriculum is reflective of the Essentials of Baccalaureate Education from the American Association of Colleges of Nursing (AACN) and the Texas Board of Nursing Differentiated Essential Competencies (DECs).

The faculty believe:

- Humans are bio-psycho-social-spiritual beings.
- Professional nurses serve a diversity of patients including individuals, families, communities, and populations across the lifespan.
- The role of the nurse is to be a leader in providing safe and effective care in a dynamic health care environment.
- The professional nurse must demonstrate leadership in assessing, analyzing, planning, implementing, and evaluating nursing care.
- As a member of the interprofessional health care team, the professional nurse must effectively communicate and collaborate with team members and the individual, family, or community.
- Clinical reasoning based on knowledge of the natural, behavioral, and social sciences, humanities, and nursing science is an essential component of nursing practice.
- The professional nurse must use therapeutic interventions, which include the provision of physical, psychological, and spiritual care, health teaching, and advocacy. These interventions require skillful utilization of

the nursing process, informatics, communication, and inter-disciplinary referral.

- The professional nurse must assume responsibility and accountability for his/her nursing practice.
- The nurse must continuously strive to improve as a professional and to contribute to the advancement of the nursing profession.
- Learning is a dynamic process, which is influenced by the learner's individuality and experiences, and is manifested by changes in behavior. The responsibility for acquiring and applying knowledge lies with the learner. The faculty is responsible for assisting the learner in achieving the program outcomes by providing learning experiences that are founded on the evidence-based teaching practice.

**Program Goals**

To provide a concept-based curriculum which:

1. Prepares graduates for entry-level professional nursing practice.
2. Focuses on persons across the lifespan and throughout the health continuum.
3. Encourages life-long learning and provides a foundation for graduate study.
4. Promotes involvement in professional and community organizations and activities.

**Student Learning Outcomes**

1. Exhibit safe and effective patient centered-care across the life span in an increasingly complex and evolving healthcare environment.
2. Apply the nursing process to guide clinical reasoning in providing nursing care to diverse individuals, families, communities, and populations across the lifespan.
3. Assume responsibility and accountability for one's nursing practice.
4. Employ effective and therapeutic communication with patients and members of the interprofessional health care team to deliver patient-centered care across the lifespan.
5. Integrate the use of information systems to coordinate patient care delivery.
6. Generate clinical judgment utilizing evidence-based practice in caring for patients, families, communities, and populations across the life span.
7. Synthesize leadership and management strategies in the delivery of health care services to improve patient health outcomes across the lifespan.
8. Integrate professional, ethical, moral, legal, and spiritual concepts into one's nursing practice within a multi-cultural, global environment.

## Program Approval and Accreditation Information

- Texas Board of Nursing  
333 Guadalupe, Suite 3-430  
Austin TX 78701
- Commission on Collegiate Nursing Education  
655 K Street, NW, Suite 750  
Washington, DC 20001

## Admission to the Program

Students seeking admission to the nursing program must first be admitted to the University of Mary Hardin-Baylor. Admission to the University does not constitute automatic admission into the nursing program. Admission to the School of Nursing requires a separate application and is determined by the School of Nursing's Admission, Progression and Retention Committee.

Students must be eligible to participate in clinical experiences at Baylor Scott & White facilities, have a minimum of 46 semester hours of specific courses which will count toward the BSN degree, and be selected by the nursing Admission, Progression and Retention Committee. The committee considers a student's GPA (3.00 minimum on specific prerequisite courses and on all courses taken toward the nursing degree plan), and other factors relevant to a student becoming a professional nurse.

The standards listed in this catalog and other School of Nursing criteria represent minimum requirements. Students seeking entrance into the nursing program will be evaluated based on present admission criteria which may exceed requirements listed within this catalog. In the case of competitive admissions, requirements over and above the minimum may be necessary. Applications are available on the website. The application deadline for the fall semester is March 1 and for the spring semester, October 1.

To be eligible for admission, students must meet the following requirements PRIOR to their admission to NURS 2150, 2460 and 2350.

1. An ATI TEAS admission exam composite score of 65% or better with two (2) attempts. Applicants must also make a minimum score of 65% on the math section and a minimum 65% on the reading section of the exam.
2. A student must have completed the following required prerequisite courses. A minimum of a "C" is required for all prerequisite courses indicated with an \*.
  - \*a. English — 6 semester hours
  - \*b. Biology and Chemistry — 16 semester hours: Anatomy and Physiology I and II, Microbiology and

Intro to Chemistry, College Chemistry, **or** General Chemistry I. (Either Microbiology or Chemistry can be taken with the first 7 hours of Nursing.)

- \*c. General Psychology — 3 semester hours
- \*d. Introductory Sociology — 3 semester hours
- \*e. Public Speaking — 3 semester hours
- \*f. Developmental Psychology — 3 semester hours

In addition to these prerequisite courses, the following classes are required for the BSN degree with an overall GPA of at least 3.0, in all courses combined:

- a. Literature — 3 semester hours
- b. Math (Statistics required prior to NURS 3325) — 3 semester hours [The Math Department requires College Algebra as a prerequisite for the Statistics course.]
- c. Christian Studies — 6 semester hours
- d. World Ideas — 3 semester hours
- e. Global Issues — 3 semester hours
- f. Exercise & Sport Science — 2 activity courses
- g. Electives — 3 semester hours
- h. Fine Arts — 3 semester hours.
- i. Freshman Seminar — 1 semester hour

In addition to these courses students must attend chapel (UMHB 1002) and fine arts experiences (UMHB 1005) as outlined by the number of credit hours achieved before attending UMHB. For example first semester freshman must have 4 semesters of chapel and 8 fine arts experience credits.

Note\*: Science courses which were completed more than 10 years prior to admission to the CON must be repeated

3. Upon receiving a conditional offer of admission, every student must present evidence that he or she is physically and mentally qualified to participate in the nursing program. The following health records must be submitted before enrolling in nursing courses:
  - a. Submit evidence of a negative TB skin test within two months prior to admission to NURS 2150, 2460 and 2350 and annually thereafter. Those students with a positive TB skin test are required to submit an initial chest x-ray report and every year thereafter a TB Symptom Checklist form. Students may also complete the QFT blood test from the health department.
  - b. Certification of immunizations:
    - (1) A minimum of three doses of the tetanus/diphtheria vaccine, the last dose of which was within 10 years.

(2) Measles (rubeola), mumps, rubella (2 doses of the vaccine), and varicella (2 doses of the vaccine) (if no history of chicken pox or titer does not indicate immunity)

(3) Hepatitis B series (3 doses of the vaccine)

(4) An annual flu vaccine is required

c. All physical health information will be submitted by the student to the designated School of Nursing (SON) entity.

d. Students must also complete and sign an essential performance standards document.

4. Fingerprinting is required of all students according to the guidelines of the Texas Board of Nursing (BON). The BON requires all applicants seeking licensure in Texas to submit a complete set of fingerprints for the purpose of obtaining a criminal history from the Texas Department of Public Safety and the Federal Bureau of Investigations. Participation in nursing courses may be dependent upon the outcome of the criminal background check completed by the BON. Applicants who may have a background that could prevent them from obtaining licensure in Texas upon completion of a nursing program are urged to complete a Declaratory Order application as early as possible. The Declaratory Order process permits the BON to make decisions regarding an applicant's eligibility for licensure before entering or continuing in the nursing program. Students must also respond to questions regarding past mental health status as required by the BON Verification Form included in the BSN student handbook.
5. An American Heart Association Health Care Provider CPR/AED course completion card is required prior to admission to clinical nursing courses and must be kept current while in nursing courses. Note: NO online courses are acceptable. No provider other than the American Heart Association is acceptable.

## Transfer Students

The Dean or the Chair of the Nursing Admissions Committee reviews all potential transfer students' records. Recommendations about admission and placement in the nursing program are determined by the Admission, Progression and Retention Committee of the SON.

Students seeking transfer from another nursing program must be in good standing with that school. A prospective transfer student who has two failures, defined as "D", "F", "WQ", or "W" (when "W" is due to failure), in previous nursing courses in two different semesters may not be eligible for admission to the UMHB nursing program.

Students planning to take any prerequisite courses at another college should seek guidance from the registrar's office at the University of Mary Hardin-Baylor **before**

enrolling in the course(s) in order to avoid problems with transferring credits.

## Scholastic Progress and Readmission Policies

1. To progress to the junior level courses a student **must have completed all science courses** and a minimum of 57 identified academic credits that are part of the curriculum requirements.
2. **A student must achieve at least a "C" in all nursing courses in order to pass each course.** Within each course, a student must receive at least 75% on all identified critical components in each course syllabus to pass (refer to the School of Nursing Student Handbook, and course syllabi).
3. A satisfactory performance ("C" or better) is achieved in a course only if all identified critical components (this includes both theory and clinical laboratory components) in the course are satisfactorily completed.
4. A student who receives a "D", "F", or "WQ" (when "W" is due to failure) in a nursing course **must seek readmission** to the nursing program. Eligibility to repeat a nursing course is determined by the Admission, Progression and Retention Committee of the School of Nursing. If the class is a prerequisite to the next nursing course, the student must repeat the class before proceeding to the next curriculum level of courses. If the student receives another "D", "F", "WQ," or "W" (when "W" is due to failure) in a nursing course during a subsequent semester, the student is **not** eligible for readmission.
5. A student who withdraws from or has an interruption in his/her enrollment in nursing for **any** reason **must seek readmission** to the program.
6. A student seeking readmission will be evaluated based on current criteria for admission and progression and space availability.

## Expenses

In addition to tuition and fees, students majoring in nursing will have the following expenses:

1. Laptop computer with the identified system requirements.
2. The cost of textbooks purchased throughout the program of study average \$1,500.
3. Name pin, watch with a second hand, stethoscope, and goggles or side shields must be purchased at an approximate cost of \$120. This expense should be a one-time cost and occurs on entry into the clinical nursing courses.
4. Uniforms, lab coat, and shoes must be purchased the semester the student is admitted to the clinical program

at an approximate cost of \$400. This expense should be a one-time cost.

5. Students are required to provide their own transportation to clinical facilities.
6. Fees related to RN licensure are approximately \$400 and must be paid the first week of the last semester of the program..
7. Students will be required to participate in an NCLEX review course. The fee for the course as well as other standardized testing is included in the course fees for nursing courses through the nursing program.
8. Online testing: approximately \$50.00 (each semester)
9. Online electronic medical record software: approximately \$50.00 (each semester)
10. Graduation costs are approximately \$160.
11. The School of Nursing pin is purchased when the student has successfully completed the nursing program. Cost, approximately \$150, is based on current gold prices.
12. Students must present yearly evidence of a negative TB skin test or a negative chest x-ray if medically indicated. Cost will vary.
13. Students may be required to provide additional evidence of medical/health clearance during the clinical program at their own expense.
14. Finger printing through designated agency, approximately \$45.
15. Urine drug screen, approximately \$28. 'For Cause' random drug screens may also be required.

## General Information

1. The School of Nursing reserves the right to deny an applicant admission or readmission to the program for any legal reason. A student may be dismissed from the program for a violation of the academic or conduct standards of the program or the University, or if the student is no longer qualified for the program.
2. It is the responsibility of the student to become familiar with and comply with the policies and regulations (i.e. health forms, liability, dress) of the School of Nursing and professional standards and to comply with them. See the current School of Nursing Student Handbook.
3. It is the responsibility of the student to maintain updated information regarding changes in name, address, telephone number, e-mail or any other requested information with the Registrar's Office (see the previous section on Resources in the catalog). Additionally, nursing students must keep his or her records updated in the School of Nursing Office.

4. It is the responsibility of the student to be familiar with the current Texas Nurse Practice Act and with the rules of the Texas Board of Nursing governing eligibility for taking the licensure exam to become a Registered Nurse.
5. Students must also complete five service (volunteer) hours each semester.

## Curriculum

Because the nursing curriculum is sequential, certain prerequisites exist for both admission to and progression in the nursing program. Within each level there is a first and a second semester. All courses in the first semester **must** be completed before progressing to the second semester. Likewise, all courses in the junior level must be completed **before** progressing to the senior level.

**Note: Nursing students will take courses in their proper sequence. Students must complete each course in a grouping before moving to the next group:** NURS 2150, 2460 and 2350 (introductory); NURS 3200, 3210, 3620 and 3320 (NI); NURS 3315, 3325, 3621 and 3321, (NII); NURS 4620, 4240, 4310 and 4410 (ABI), and NURS 4230, 4330, 4700 and 4000, (AB2).

**NOTE: A student may submit an application to take the National Council for Licensure Examination-RN (NCLEX\_RN) during their final semester if all course work has been successfully completed and the requirements for graduation met.**

Nursing students may minor in several fields of study. Degree plans for these minors are available in the Registrar's Office or the Nursing Office. It is most helpful if the student declares a minor as early as possible.

The School of Nursing adheres to the University grading scale with one exception. The School of Nursing has additional grading policies based on critical components. If the student does not meet the required minimum grade of 75% average on the critical components, the student will not pass the course and will be assigned an F. If the student meets the requirement of 75% average on the critical components, then the course grade will be calculated according to the assignment grading weights, consistent with the University grading scale.

In addition, students should be aware that there is no rounding of grades on assignments or final grades. Students must meet the minimum of 75 percent in each of the critical component areas to be successful in the course. This means that a 74.99 is a failing grade and the student would not meet the criteria for successful completion of the critical component. See the School of Nursing Handbook for more information.

## NURSING B.S.N.

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124 MINIMUM HOURS

36 UPPER LEVEL HOURS

31 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 58 hours**

see Bachelor of Science in Nursing Degree Academic Core

**B.S.N. Nursing Major Required Courses – 63 hours**

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| NURS 2150 | Nursing Success   | 1 |
| NURS 2350 | Health Assessment Across the Lifespan                                   | 3 |
| NURS 2460 | Essentials in Nursing   | 4 |
| NURS 3200 | Introduction to Professional Nursing                                    | 2 |
| NURS 3210 | Population Health Perspectives  | 2 |
| NURS 3620 | Health Care Delivery  | 6 |
| NURS 3320 | Pathophysiology I   | 3 |
| NURS 3315 | Nursing Perspectives in Pharmacotherapy                                 | 3 |
| NURS 3325 | Evidence-Based Practice in Nursing                                      | 3 |
| NURS 3621 | Health Care Delivery II   | 6 |
| NURS 3321 | Pathophysiology II  | 3 |
| NURS 4240 | Advanced Pathophysiological and Pharmacotherapeutic Concepts in Nursing | 2 |
| NURS 4620 | Health Care Delivery III  | 6 |
| NURS 4310 | Global Perspectives in Health Care                                      | 3 |
| NURS 4410 | Nursing Governance in Healthcare  | 4 |
| NURS 4230 | Contemporary Issues   | 2 |
| NURS 4330 | Transition into Practice  | 3 |
| NURS 4700 | Capstone  | 7 |
| NURS 4000 | NCLEX Readiness and Comprehensive Exam                                  | 0 |

A grade of “C” or better required in all courses in the Nursing major.

A minor is NOT required for the BSN degree.

**A minimum of “C” is required in all the following prerequisite courses:**

|           |  |   |
|-----------|--|---|
| ENGL 1321 | Rhetoric & Composition I   | 3 |
| ENGL 1322 | Rhetoric & Composition II  | 3 |
| BIOL 2340 | Human Anatomy & Physiology I                                     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab                                 | 1 |
| BIOL 2341 | Human Anatomy & Physiology II                                    | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab                                | 1 |
| BIOL 2380 | Microbiology   | 3 |
| BIOL 2180 | Microbiology Lab   | 1 |
| CHEM      | Introductory Chemistry or College Chemistry or General Chemistry |   |

|           |                           |   |
|-----------|---------------------------|---|
| PSYC 1301 | General Psychology        | 3 |
| PSYC 2311 | Developmental Psychology  | 3 |
| SOCI 1311 | Introduction to Sociology | 3 |
| COMM 1320 | Public Speaking           | 3 |

**PROGRAM OF STUDY (TYPICAL SEQUENCING)****Freshman Year – 33 hours**

|           |                                  |   |
|-----------|----------------------------------|---|
| ENGL 1321 | Rhetoric & Composition I         | 3 |
| ENGL 1322 | Rhetoric & Composition II        | 3 |
| CHEM 1441 | College Chemistry                | 4 |
| BIOL 2340 | Human Anatomy & Physiology I     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab | 1 |
| PSYC 1301 | General Psychology               | 3 |
| PSYC 2311 | Developmental Psychology         | 3 |
| COMM 1320 | Public Speaking                  | 3 |
| SOCI 1311 | Introduction to Sociology        | 3 |
| ARTS      |                                  | 3 |
|           | Global Issues                    | 3 |
| UMHB 1101 | Freshman Seminar                 | 1 |
| UMHB 1002 | Chapel                           | 0 |
| UMHB 1005 | Fine Arts Experience X 2         |   |

UMHB 1002 (Chapel): Credits required are determined by total hours transferred upon admission to UMHB

Fine Arts Experience: Credits required are determined by total hours transferred upon admission to UMHB

Students must seek separate admission to nursing and typically apply in the fall of their sophomore year.

Application deadline is October 1 for spring and March 1 for fall.

**The following MUST be completed before admission:**

|           |  |   |
|-----------|--|---|
| ENGL 1321 | Rhetoric & Composition I   | 3 |
| ENGL 1322 | Rhetoric & Composition II  | 3 |
| BIOL 2340 | Human Anatomy & Physiology I                                     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab                                 | 1 |
| BIOL 2341 | Human Anatomy & Physiology II                                    | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab                                | 1 |
| PSYC 1301 | General Psychology   | 3 |
| PSYC 2311 | Developmental Psychology   | 3 |
| COMM 1320 | Public Speaking  | 3 |
| SOCI 1311 | Introduction to Sociology  | 3 |
| CHEM      | Introductory Chemistry or College Chemistry or General Chemistry |   |

|                                  |   |   |  |
|----------------------------------|---|---|--|
|                                  | or  |   |  |
| BIOL 2380                        | Microbiology                              | 3 |  |
| BIOL 2180                        | Microbiology Lab                          | 1 |  |
| <b>Sophomore Year – 33 hours</b> |   |   |  |
| CSBS 1311                        | Engaging the Old Testament                | 3 |  |
| CSBS 1312                        | Engaging the New Testament                | 3 |  |
|                                  | Physical Education (two activity courses) | 2 |  |
| BIOL 2380                        | Microbiology                              | 3 |  |
| BIOL 2180                        | Microbiology Lab                          | 1 |  |
| BIOL 2341                        | Human Anatomy & Physiology II             | 3 |  |
| BIOL 2141                        | Human Anatomy & Physiology II Lab         | 1 |  |
| ENGL                             | Literature                                | 3 |  |
|                                  | Elective                                  | 3 |  |
| MATH 2303                        | Statistics                                | 3 |  |
| NURS 2150                        | Nursing Success                           | 1 |  |
| NURS 2350                        | Health Assessment Across the Lifespan     | 3 |  |
| NURS 2460                        | Essentials in Nursing                     | 4 |  |
| UMHB 1002                        | Chapel X 2                                |   |  |
| UMHB 1005                        | Fine Arts Experience X 2                  |   |  |

UMHB 1002 (Chapel): Credits required are determined by total hours transferred upon admission to UMHB

Fine Arts Experience: Credits required are determined by total hours transferred upon admission to UMHB

#### Junior Year – 28 hours

|           |   |   |  |
|-----------|---|---|--|
| NURS 3200 | Introduction to Professional Nursing    | 2 |  |
| NURS 3210 | Population Health Perspectives          | 2 |  |
| NURS 3620 | Health Care Delivery                    | 6 |  |
| NURS 3320 | Pathophysiology I                       | 3 |  |
| NURS 3315 | Nursing Perspectives in Pharmacotherapy | 3 |  |
| NURS 3325 | Evidence-Based Practice in Nursing      | 3 |  |
| NURS 3621 | Health Care Delivery II                 | 6 |  |
| NURS 3321 | Pathophysiology II                      | 3 |  |
| UMHB 1005 | Fine Arts Experience X 2                |   |  |

Fine Arts Experience: Credits required are determined by total hours transferred upon admission to UMHB

MATH 2303: College Algebra is a prerequisite

MATH 2303: Must be completed prior to second semester of the junior year.

#### Senior Year – 30 hours

|           |                                    |   |  |
|-----------|------------------------------------|---|--|
| NURS 4620 | Health Care Delivery III           | 6 |  |
| NURS 4310 | Global Perspectives in Health Care | 3 |  |

|           |   |   |  |
|-----------|---|---|--|
| NURS 4240 | Advanced Pathophysiological and Pharmacotherapeutic Concepts in Nursing | 2 |  |
| NURS 4410 | Nursing Governance in Healthcare  | 4 |  |
| NURS 4230 | Contemporary Issues   | 2 |  |
| NURS 4330 | Transition into Practice  | 3 |  |
| NURS 4700 | Capstone  | 7 |  |
| NURS 4000 | NCLEX Readiness and Comprehensive Exam                                  | 0 |  |
|           | World Ideas   | 3 |  |
| UMHB 1005 | Fine Arts Experience X 2  |   |  |

Fine Arts Experience: Credits required are determined by total hours transferred upon admission to UMHB  
Subtotal: 124

### ADVANCED PLACEMENT FOR REGISTERED NURSES (RN-B.S.N.)

Please refer to the MyWay Program (competency-based education) catalog for information on the RN to BSN program.

## COLLEGE OF HUMANITIES AND SCIENCES

**Dr. Stephen Baldrige, Dean**

### Mission

The College of Humanities and Sciences develops leaders and scholars who think critically about the human experience and natural world. Comprising three academic units, the College seeks to cultivate critical thought in distinct ways in the humanities, the natural sciences, and the social sciences.

-To think critically in the humanities is to consider both the great thinkers and works of art that are our inheritance, and the ways in which those thinkers and works continue to guide our contemporary engagement with others and the world around us. Critical thought in the humanities, then, is chiefly thought about ideas and the power that those ideas have to shape our experience of reality.

-To think critically in the natural sciences is to examine the given world, the Creation, and to seek to know it deeply through careful observation, the experimental process, and logical analysis. This type of thinking equips our students for success in academic and professional research, the health professions, and education.

-To think critically in the social sciences is to rigorously explore the human person and human societies using a wide-range of methodologies. Grounded in our Christian foundation, our goals are twofold: 1) to more deeply understand human natures, cultures, and structures and 2) to pursue justice and wellbeing for all humanity.

### School of Humanities

**Dr. Jacky Dumas, Associate Dean**

The School of Humanities houses the following departments: English, Communication and Media Studies, and Modern Foreign Language. Our varied and in-depth curricula provides the best of what liberal arts and humanities have to offer while also incorporating active professional development for our students. In addition, we provide numerous opportunities for engaging in the respective disciplines as well as creating lifelong learners by means of our student organizations and programming. Our distinctive learning experiences include study abroad, an award winning Speech and Debate team, Cru Films,

Deaf Awareness events, literary festivals and workshops, distinguished speakers, and service to our communities.

Housed under the School of Humanities are three multidisciplinary minors which provide complimentary resources, training, and learning opportunities to almost any major at UMHB. The Writing Minor caters to students who value written communication as a vital component to their professional goals. The Classical Humanities Minor accommodates students who are interested in graduate or professional study. The Applied Humanities Minor engages students who desire to work/study abroad or desire to foster global perspectives.

### Minors

#### WRITING MINOR

#### DEGREE REQUIREMENTS

##### Required Courses – 21 hours

6 hours upper level at UMHB

|           |                               |   |
|-----------|-------------------------------|---|
| COMM 2360 | Introduction to Media Writing | 3 |
| WRIT 3343 | Advanced Composition          | 3 |
| WRIT 4343 | Advanced Rhetoric             | 3 |
| WRIT 4392 | Publications Workshop         | 3 |
| WRIT 4344 | Creative Writing: Poetry      | 3 |
| or        |                               |   |
| COMM 3340 | Screenwriting                 | 3 |

##### Plus 6 hours from the following:

|           |  |   |
|-----------|--|---|
| BCIS 3350 | Desktop & Digital Publishing                     | 3 |
| COMM 2330 | Copy Editing                                     | 3 |
| COMM 3340 | Screenwriting                                    | 3 |
| COMM 3365 | Advanced Media Writing and Design                | 3 |
| COMM 3375 | Magazine Non-Fiction & Newspaper Feature Writing | 3 |
| WRIT 3341 | Creative Writing: Prose                          | 3 |
| WRIT 3342 | Advanced Grammar                                 | 3 |
| WRIT 4344 | Creative Writing: Poetry                         | 3 |

COMM 3340 and WRIT 4344: Cannot fulfill both an elective and a required choice; select whichever course was not taken for the required courses.

Students must earn a “C” or better for courses in this minor.

Students majoring in English and/or Communications may not use the same course(s) to satisfy the requirements of both the major and the Writing minor. Courses in the WRIT prefix are part of the English Program. Students must meet all prerequisites for all courses.

## CLASSICAL HUMANITIES MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 21 hours

6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| HIST 1311 | History of World Civilizations to 1500                  | 3 |
| HIST 4340 | Ancient Greece & Hellenistic World                      | 3 |
| PHIL 2315 | Introduction to Philosophy                              | 3 |
| PHIL 3303 | World Views: Christian Thought Engages the Modern World | 3 |
| ENGL 3323 | World Literature  | 3 |
|           | or  |   |
| ENGL 2330 | Classical Influences                                    | 3 |
| HUMA 4090 | Humanities Workshop                                     | 0 |

#### Plus 6 hours from the following:

|           |   |   |
|-----------|---|---|
| ARTS 2351 | Art History I   | 3 |
| HIST 4313 | History of Western Political Thought Through the Enlightenment                  | 3 |
| HIST 4314 | History of Western Political Thought from the Nineteenth Century to the Present | 3 |
| HIST 4342 | Roman Empire & Medieval World   | 3 |
| MUSI 2358 | World Music   | 3 |
| PHIL 3316 | Critical Reasoning  | 3 |
| PHIL 3335 | History of Philosophy   | 3 |
| THEA 2350 | Introduction to the Theatre   | 3 |

\* Students who satisfy this requirement (PHIL 2315, HIST 1311) in the core will take additional choice courses in the minor. Students majoring in English, History, or Christian Studies may not use the same course(s) to satisfy the requirements of both the major and the Classical Humanities minor. Students must meet all prerequisites for all courses.

\*\* \*\* If participating in London Studies, students can substitute ARTS 1350 or 4391, ENGL 2321 or 2322, MUSI 4391, CSTH/PHIL 4391, THEA 4391 and HIST 4391 respectively.

## APPLIED HUMANITIES MINOR

## DEGREE REQUIREMENTS

### Required Courses-21 hours

6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| POLS 2315 | Comparative Political Systems                           | 3 |
| POLS 2320 | Topics and Methods of Political Science                 | 3 |
| PHIL 3303 | World Views: Christian Thought Engages the Modern World | 3 |
| ENGL 3335 | Contemporary Global Literature                          | 3 |
| HUMA 4090 | Humanities Workshop                                     | 0 |

### Study Abroad Track\*

|           |                                |   |
|-----------|--------------------------------|---|
| ENGL 2336 | Global Perspectives            | 3 |
|           | or                             |   |
|           | HIST-4391 Study Abroad Focus   | 3 |
|           | or                             |   |
|           | Any 3-hour Study Abroad Course | 3 |

### Internship Track\*

|           |  |   |
|-----------|--|---|
| ENGL 4385 | English Internship                                       | 3 |
|           | or   |   |
|           | Any 3-hour Internship Course with an International Focus | 3 |

### Plus 9 hours from the following\*\*

|           |   |   |
|-----------|---|---|
| CSIS 3300 | Missiology                              | 3 |
| CSIS 3301 | Intercultural Perspectives              | 3 |
| CSIS 4335 | Global Readings of the Gospels and Acts | 3 |
| POLS 3317 | International Organizations             | 3 |
| PSYC 4330 | Multicultural Psychology                | 3 |
| SOCI 3325 | Human Diversity                         | 3 |

Students who satisfy requirements in the core will take additional choice courses in the minor. Students majoring in English, Political Science, or Christian Studies may not use the same course(s) to satisfy the requirements of both the major and the Applied Humanities minor. Students must meet all prerequisites for all courses.

\* Students choosing either Study Abroad or Internship track will only select 6 hours from the choice courses.

\*\* Students choosing both the study-abroad AND the internship abroad will choose only 3 hours from the choice courses

\*\*\*Requires PSYC 1301 as a prerequisite which students can use in their academic core (social sciences).

## Communication and Media Studies

### Dr. Joseph Tabarlet, Chairperson

The Department of Communication and Media Studies aims to educate students in all aspects of human communication. Our goal is to produce graduates who can think critically, reason morally, write and speak with precision and impact, and present performances in a



variety of media to audiences of all types.

We offer majors in Speech Communication, Mass Communication (with concentrations in Public Relations and Journalism) and Film Studies. We offer minors in Communication, Mass Communication, and Film Production. Our Mass Communication degree is complemented by lab work on the Bells, the UMHB student newspaper, as well as journalism internships at a variety of local newspapers, magazines, radio and television stations. PR internships include on-campus opportunities and also range from PR firms to non-profits, to churches and various business. Our Speech Communication degree is supported by Speech Cru, a growing and successful intercollegiate forensics and speech competition team. Our CruFilms program allows students to direct short films and internet webcasts.

### Communication

## FILM STUDIES B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core- 60 hours

see Bachelor of Arts Degree Academic Core

#### B.A. Film Studies Major Required Courses- 39 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |                                      |   |
|-----------|--------------------------------------|---|
| COMM 1180 | Communication Foundations            | 1 |
| COMM 1315 | Introduction to Communication        | 3 |
| COMM 2180 | Practicum in Communication           | 1 |
| COMM 2320 | Introduction to Mass Media           | 3 |
| COMM 2390 | Introduction to Film Studies         | 3 |
| COMM 3340 | Screenwriting                        | 3 |
| COMM 3343 | Documentary Filmmaking               | 3 |
| COMM 3345 | Film History and Criticism           | 3 |
| COMM 4180 | Capstone Experience in Communication | 1 |

|           |                           |   |
|-----------|---------------------------|---|
| COMM 4377 | Narrative Film Production | 3 |
| THEA 2310 | Acting I                  | 3 |
| THEA 4300 | Directing                 | 3 |

### Electives for Major

Choose 2 of the Following Courses

|           |                             |   |
|-----------|-----------------------------|---|
| ARTS 1325 | Color Theory                | 3 |
| ARTS 4375 | Applied Graphic Design      | 3 |
| BCIS 3370 | Computer 3D Modeling        | 3 |
| BCIS 3375 | Computer 3D Animation       | 3 |
| COMM 3320 | Storytelling                | 3 |
| COMM 4375 | Special Topics in Film      | 3 |
| COMM 4390 | Independent Study           | 3 |
| COMM 4395 | Internship in Communication | 3 |
| PSYC 4331 | Psychology and Film         | 3 |

Choose 1 of the Following:

|           |                       |   |
|-----------|-----------------------|---|
| COMM 4320 | The Business of Media | 3 |
| COMM 4325 | Freelancing           | 3 |

## MASS COMMUNICATION B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core - 60 hours

see Bachelor of Arts Degree Academic Core

#### B.A. Mass Communication Major Required Courses – 33 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |                               |   |
|-----------|-------------------------------|---|
| COMM 1180 | Communication Foundations     | 1 |
| COMM 1315 | Introduction to Communication | 3 |
| COMM 2180 | Practicum in Communication    | 1 |
| COMM 2320 | Introduction to Mass Media    | 3 |
| COMM 2330 | Copy Editing                  | 3 |

|           |                                      |   |
|-----------|--------------------------------------|---|
| COMM 2360 | Introduction to Media Writing        | 3 |
| COMM 2370 | Introduction to Public Relations     | 3 |
| COMM 4340 | Law and Regulation of the Mass Media | 3 |
| COMM 4180 | Capstone Experience in Communication | 1 |

**Journalism Track**

|           |                                   |   |
|-----------|-----------------------------------|---|
| COMM 3330 | Photojournalism                   | 3 |
| COMM 3365 | Advanced Media Writing and Design | 3 |
| COMM 3368 | Broadcasting                      | 3 |
| COMM 4195 | Internship: Print Communication   | 1 |
| COMM 4196 | Internship: Broadcasting          | 1 |
| COMM 4198 | Internship: Online Journalism     | 1 |

**Public Relations Track**

|           |                                      |   |
|-----------|--------------------------------------|---|
| COMM 3370 | Advanced Public Relations            | 3 |
| COMM 4330 | Special Topics in Public Relations   | 3 |
| COMM 4197 | Internship: Public Relations         | 1 |
| COMM 4391 | Upper-Level Public Relations Seminar | 3 |

COMM 4197 must be repeated three times for credit.  
COMM 4197.01, COMM 4197.02, and COMM 4197.03

**SPEECH COMMUNICATION B.A.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core - 60 hours**

see Bachelor of Arts Degree Academic Core

**B.A. Speech Communication Major Required Courses – 30 hours**

12 hours (6 upper level) at UMHB

|           |                               |   |
|-----------|-------------------------------|---|
| COMM 1180 | Communication Foundations     | 1 |
| COMM 1315 | Introduction to Communication | 3 |
| COMM 1320 | Public Speaking               | 3 |

|           |                                      |   |
|-----------|--------------------------------------|---|
| COMM 2180 | Practicum in Communication           | 1 |
| COMM 2320 | Introduction to Mass Media           | 3 |
| COMM 3310 | Persuasion                           | 3 |
| COMM 3320 | Storytelling                         | 3 |
| COMM 3325 | Advanced Public Speaking             | 3 |
| COMM 3350 | Competitive Oral Interpretation      | 3 |
| COMM 3351 | Argumentation & Debate               | 3 |
| COMM 4180 | Capstone Experience in Communication | 1 |

**Choose ONE of the following:**

|           |                            |   |
|-----------|----------------------------|---|
| COMM 3385 | Special Topics in Rhetoric | 3 |
| COMM 3386 | African-American Rhetoric  | 3 |

Students pursuing secondary certification in Speech should take EDUC 2311 and add the Professional Practices and Pedagogy minor from the Department of Education.

**COMMUNICATION MINOR****DEGREE REQUIREMENTS****Required Courses – 21 hours**

6 hours upper level at UMHB

|           |                                    |   |
|-----------|------------------------------------|---|
| COMM 1315 | Introduction to Communication      | 3 |
| COMM 1320 | Public Speaking                    | 3 |
| COMM 2320 | Introduction to Mass Media         | 3 |
| COMM 3325 | Advanced Public Speaking           | 3 |
| COMM 3310 | Persuasion                         | 3 |
| COMM XXXX | 6 Hours of Communication Electives | 6 |

**FILM PRODUCTION MINOR**

The Film Production Minor is for students interested in learning the hands-on techniques of media production for the entertainment industry. The technical aspects of camera operation, audio design, lighting design, and digital editing are also covered. Today, the entertainment industry is a very complex and competitive field. Employers are not only looking for bright, focused individuals, but employees

with the hands-on skills to complete a wider variety of projects in a timely fashion.

## DEGREE REQUIREMENTS

### Required Courses- 18 hours

6 hours upper level at UMHB

|           |                              |   |
|-----------|------------------------------|---|
| COMM 2390 | Introduction to Film Studies | 3 |
| COMM 3343 | Documentary Filmmaking       | 3 |
| COMM 3345 | Film History and Criticism   | 3 |
| COMM 4377 | Narrative Film Production    | 3 |

### Minor Electives

Must complete 6 hours from the below list

|           |                        |   |
|-----------|------------------------|---|
| ARTS 1325 | Color Theory           | 3 |
| ARTS 3375 | Graphic Design II      | 3 |
| BCIS 3370 | Computer 3D Modeling   | 3 |
| BCIS 3375 | Computer 3D Animation  | 3 |
| COMM 3320 | Storytelling           | 3 |
| COMM 3340 | Screenwriting          | 3 |
| COMM 4375 | Special Topics in Film | 3 |
| PSYC 4331 | Psychology and Film    | 3 |

## MASS COMMUNICATION MINOR

## DEGREE REQUIREMENTS

### Required Courses – 18 hours

6 hours upper level at UMHB

|           |                                      |   |
|-----------|--------------------------------------|---|
| COMM 2320 | Introduction to Mass Media           | 3 |
| COMM 2360 | Introduction to Media Writing        | 3 |
| COMM 2390 | Introduction to Film Studies         | 3 |
| COMM 3365 | Advanced Media Writing and Design    | 3 |
| COMM 3368 | Broadcasting                         | 3 |
| COMM 4340 | Law and Regulation of the Mass Media | 3 |

### English

#### Dr. Laura Bedwell, Chairperson

The aims of the Department of English are to promote the knowledge and appreciation of literature, to introduce the basic concepts of rhetoric and argumentation, and to help students master principles of effective writing. In addition,

the department helps majors and minors to prepare for careers in teaching or other fields and provides the foundation needed for graduate study. Creative writing is encouraged by the opportunity to contribute to and produce the University literary magazine, the *Baylorian*. Students may also participate in the production of a professional literary journal, *Windhover: A Journal of Christian Literature*, and in the annual Writers' Festival each February.

In advanced courses, students engage in a variety of activities, including oral and written reports, essays, research assignments, class discussions, and lectures. Students are expected to use the library effectively and to begin to be proficient in literary criticism.

Students may not use more than six hours of credit by exam for English or Writing courses. This includes credits earned by any combination of exams (AP, CLEP, etc.). For more information about credit by exam, consult the most recent guidelines established by Testing and Counseling. The Department encourages students to take ENGL 1321 and ENGL 1322 during their freshman year in order to learn the conventions of academic writing.

Unless students have been awarded credit by exam or have transferred appropriate credits from an accepted institution, freshmen must begin with ENGL 1321 (or ENGL 0330 or ENGL 0130, when deemed necessary by placement standards). After completing ENGL 1321, students must take ENGL 1322 before they are eligible to take sophomore-level courses. All students must have credit for six hours of freshman English and six hours of sophomore English before taking upper-level (3000- and 4000-level) courses in English.

Note: If a student scores a 29 or higher on the ACT ENGLISH section or a 680 on the SAT ERBW, he/she will receive credit for ENGL 1321.

### Policies for Placement in ENGL 0330, ENGL 0130, and ENGL 1321

All reading and writing minimum requirements and placement scores are in coordination with the Texas Success Initiative (TSI). These following standards will apply to students who enroll for Spring 2017 and beyond.

Students who score between 500 and 539 on the SAT EBRW or between 17 and 18 on either an average of the ACT English and Reading or on the ELA will be placed in ENGL 0130, to be taken concurrently with ENGL 1321. In order to appeal that placement, the student must take one of the placement tests in English which is accepted by UMHB. That test score will be used to determine placement.

If the student scores below 500 on the SAT EBRW OR below 17 on an average of the ACT English and Reading

OR 17 on the ELA, placement will be ENGL 0330. In order to appeal that placement, the student must take one of the placement tests in English accepted by UMHB. That test score will be used to determine placement.

Although UMHB currently uses Accuplacer to determine placement in English, other placement tests are acceptable. The table below gives the scores required to place out of ENGL 0330 and ENGL 0130.

| Placement Test | Score to Place out of ENGL 0310 | Score to Place out of ENGL 0320      |
|----------------|---------------------------------|--------------------------------------|
| Accuplacer     | 253 on Reading                  | 80 on Sentence Skills and 5 on Essay |
| THEA           | 230 on Reading                  | 220 on Writing and 5 on Essay        |
| Compass        | 81 on Reading                   | 59 on Writing and 5 on Essay         |
| ASSET          | 41 on Reading                   | 40 on Writing and 5 on Essay         |
| TSI            | 351 on Reading                  | 363 and 4 on Essay OR 5 on Essay     |

## ENGLISH B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core - 60 hours

see Bachelor of Arts Degree Academic Core

Literature and Literature/ Humanities blocks completed by major

#### B.A. English Major Required Courses – 39 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |                                   |   |
|-----------|-----------------------------------|---|
| ENGL 2321 | British Literature to 1785        | 3 |
| ENGL 2322 | British Literature since 1785     | 3 |
| ENGL 3100 | Introduction to the English Major | 1 |
| ENGL 3321 | American Literature to 1890       | 3 |
| ENGL 3322 | American Literature since 1890    | 3 |
| ENGL 3323 | World Literature                  | 3 |
| ENGL 3335 | Contemporary Global Literature    | 3 |
| ENGL 4100 | Capstone to the English Major     | 1 |
| ENGL 4185 | English Internship                | 1 |

|           |                               |   |
|-----------|-------------------------------|---|
| ENGL 4321 | Shakespeare                   | 3 |
| ENGL 4341 | Literary Theory and Criticism | 3 |

#### SET 1: choose two courses:

|                |                             |   |
|----------------|-----------------------------|---|
| ENGL 3332      | Studies in Literary Genres  | 3 |
| ENGL 3333      | Studies in Major Authors    | 3 |
| ENGL 4323      | Studies in Literary Periods | 3 |
| ENGL 4191-4491 | Seminar                     |   |

#### SET 2: choose two courses:

|                |                          |   |
|----------------|--------------------------|---|
| ENGL 4190-4490 | Independent Learning     |   |
| WRIT 3342      | Advanced Grammar         | 3 |
| WRIT 3343      | Advanced Composition     | 3 |
| WRIT 4343      | Advanced Rhetoric        | 3 |
| WRIT 3341      | Creative Writing: Prose  | 3 |
|                | or                       |   |
| WRIT 4344      | Creative Writing: Poetry | 3 |

Students may NOT select both WRIT 3341 & WRIT 4344. Only ONE creative course may count toward the major.

Student must earn a "C" or better in major.

During their first semester of English coursework, students should take ENGL 3100. During their final semester of English coursework, students should take ENGL 4100 and ENGL 4185. Students must earn a "C" or better for courses in this major.

An accompanying minor is strongly recommended. Students majoring in English and minoring in Writing may substitute literature courses for writing courses in Set 2.

## TEACHER CERTIFICATION IN ENGLISH LANGUAGE ARTS AND READING SECONDARY LEVEL 7-12

Students desiring to certify to teach English in a public school at the secondary level will complete a B.A. degree in English.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### A. Core Courses:

##### Capstone

determined by major

##### Christian Studies - 6 hours

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

##### Social Science - 3 hours

##### English - 9 hours

|           |                          |   |
|-----------|--------------------------|---|
| ENGL 1321 | Rhetoric & Composition I | 3 |
|-----------|--------------------------|---|

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

**Exercise and Sport Science (2 activity courses) - 2 courses**

**Fine Arts - 3 hours**

**Foreign Language - 14 hours**

in one language

**NOTE:** The foreign language requirement is 14 semester hours (four semesters or the equivalent) in the same language.

**Lab Science - 4 hours**

**Public Speaking - 3 hours**

|      |                 |   |
|------|-----------------|---|
| COMM | Public Speaking | 3 |
| 1320 |                 |   |

**Quantitative Reasoning - 3 hours**

|      |                        |   |
|------|------------------------|---|
| MATH | Quantitative Reasoning | 3 |
| 1304 |                        |   |
|      | or                     |   |
|      | higher                 |   |

**Literature of Humanities - 3 hours**

**World Cultures - 3 hours**

**Technology - 3 hours**

|           |                      |   |
|-----------|----------------------|---|
| EDUC 2311 | Classroom Technology | 3 |
|-----------|----------------------|---|

**Chapel - 1 to 4 credits**

|      |        |   |
|------|--------|---|
| UMHB | Chapel | 0 |
| 1002 |        |   |

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

|      |                      |   |
|------|----------------------|---|
| UMHB | Fine Arts Experience | 0 |
| 1005 |                      |   |

UMHB 1005: credits determined by admission classification

**Freshman Seminar - 1 hour**

|      |                  |   |
|------|------------------|---|
| UMHB | Freshman Seminar | 1 |
| 1101 |                  |   |

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**World Cultures or Philosophy - 3 hours**

**B.A. English Major Required Courses – 38 hours**

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |                                   |   |
|-----------|-----------------------------------|---|
| ENGL 2321 | British Literature to 1785        | 3 |
| ENGL 2322 | British Literature since 1785     | 3 |
| ENGL 3100 | Introduction to the English Major | 1 |
| ENGL 3321 | American Literature to 1890       | 3 |

|           |                                |   |
|-----------|--------------------------------|---|
| ENGL 3322 | American Literature since 1890 | 3 |
| ENGL 3323 | World Literature               | 3 |
| ENGL 3335 | Contemporary Global Literature | 3 |
| ENGL 4100 | Capstone to the English Major  | 1 |
| ENGL 4321 | Shakespeare                    | 3 |
| ENGL 4341 | Literary Theory and Criticism  | 3 |
| WRIT 3342 | Advanced Grammar               | 3 |
| WRIT 3343 | Advanced Composition           | 3 |
| WRIT 4343 | Advanced Rhetoric              | 3 |

**One of the following:**

|           |                          |   |
|-----------|--------------------------|---|
| WRIT 3341 | Creative Writing: Prose  | 3 |
| WRIT 4344 | Creative Writing: Poetry | 3 |

Students must earn a “C” or better for courses in this major.

During their first semester of English coursework, students should take ENGL 3100. During their final semester, students should take ENGL 4100.

In addition, students will need to fulfill general requirements for the B.A. degree and the certification requirements of the College of Education. Students seeking certification should choose to use the professional development sequence for secondary certification as a minor. This option is available for certification only.

Students pursuing teacher certification in English language arts must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for Department of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

**Sophomore Spring Semester**

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 3315 | Students and Learning | 3 |
|-----------|-----------------------|---|

**Junior Year (either semester)**

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 4324 | Classroom Management  | 3 |
| EDUC 4328 | Curriculum Design I   | 3 |
| READ 4326 | Disciplinary Literacy | 3 |

**Senior Fall Semester**

|           |                        |   |
|-----------|------------------------|---|
| EDUC 4385 | Educational Internship | 3 |
|-----------|------------------------|---|

**Senior Spring Semester**

|           |                            |   |
|-----------|----------------------------|---|
| EDUC 4250 | Student Teaching Seminar 2 |   |
| EDUC 4501 | Student Teaching I         | 5 |
| EDUC 4502 | Student Teaching II        | 5 |

## ENGLISH MINOR

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## DEGREE REQUIREMENTS

### Required Courses – 18 hours

6 hours upper level at UMHB

|           |                                       |   |
|-----------|---------------------------------------|---|
| ENGL 2321 | British Literature to 1785            | 3 |
|           | or                                    |   |
| ENGL 2322 | British Literature since 1785         | 3 |
| ENGL      | One Additional ENGL 2000-level course | 3 |

**two courses (6 hours) from Set 1 and two courses (6 hours) from Set 2 (listed below).**

#### SET 1: choose two courses (6 hours):

|           |                                |   |
|-----------|--------------------------------|---|
| ENGL 2336 | Global Perspectives            | 3 |
| ENGL 3321 | American Literature to 1890    | 3 |
| ENGL 3322 | American Literature since 1890 | 3 |
| ENGL 3323 | World Literature               | 3 |
| ENGL 3332 | Studies in Literary Genres     | 3 |
| ENGL 3333 | Studies in Major Authors       | 3 |
| ENGL 3335 | Contemporary Global Literature | 3 |

#### SET 2: choose two courses (6 hours):

|           |                               |   |
|-----------|-------------------------------|---|
| ENGL 4321 | Shakespeare                   | 3 |
| ENGL 4323 | Studies in Literary Periods   | 3 |
| ENGL 4341 | Literary Theory and Criticism | 3 |
| ENGL      | Independent Learning          |   |
| 4190-4490 |                               |   |
| ENGL      | Seminar                       |   |
| 4191-4491 |                               |   |
| WRIT 3341 | Creative Writing: Prose       | 3 |
| WRIT 3342 | Advanced Grammar              | 3 |
| WRIT 3343 | Advanced Composition          | 3 |
| WRIT 4343 | Advanced Rhetoric             | 3 |
| WRIT 4344 | Creative Writing: Poetry      | 3 |
| WRIT      | Publication Workshop          |   |
| 4192-4492 |                               |   |

Students must earn a “C” or better for courses in this minor.

### Modern Foreign Languages

**Dr. Jamie Mattison, Chairperson**

The Department of Modern Foreign Languages has the principal goal of promoting the study of modern foreign languages, cultures, and literatures. The department currently offers Spanish, American Sign Language, and French. In support of this primary aim, it also endeavors (1) to emphasize the development of both oral and written proficiency in the foreign language according to guidelines published by the American Council on the Teaching of Foreign Languages (ACTFL), (2) to provide the highest quality, most up-to-date, practical instruction in foreign languages and cultures and in English for Speakers of Other Languages (ESOL), (3) to produce majors able to meet requirements for Spanish teacher certification in

Texas, (4) to introduce students to the experience of reading Spanish literature in the original language, (5) to produce students able to read the Bible in a foreign language with relative ease and able to perform ministry in a foreign culture, (6) to provide students with insight into the culture of the language, and (7) to provide information about employment in bilingual jobs and careers.

A Bachelor of Arts degree requires 14 hours (4 semesters or the equivalent level of achievement) of a foreign language. All four semesters must be in the same language. See the catalog for requirements for other degrees. Some courses have course fees.

Elementary and intermediate foreign language courses emphasize the development of both oral and written communication skills. Small group conversational practice, on-line workbooks, computer programs, and peer tutoring, are offered as reinforcements. Additionally, study abroad programs, summer intensive programs and professional Spanish courses may be offered.

SPAN 3330 and SPAN 3340 are open to departmental credit by examination. The CLEP exam is available for students who wish to challenge the elementary and intermediate levels of Spanish, French or German. A placement test is available for students with previous experience in formal or informal Spanish, and French. Students may also place out of American Sign Language through a departmental placement interview. Students can place out of, but not receive credit for, the 1410/1420 levels of these languages. AP (Advanced Placement) and IB (International Baccalaureate) credit is accepted for Spanish and French. Exams are also available for many other languages through the Foreign Language Achievement Testing Service (FLATS).

**The department also offers courses in “English for Speakers of Other Languages” (ESOL) to incoming international students.**

### English Proficiency Guidelines

#### Overview

The University of Mary Hardin Baylor (UMHB) does not offer a full-time English for Speakers of Other Languages program. Some students may require ESOL classes in addition to degree credit classes in order to succeed in university level classes. Therefore, an English language proficiency score report must be submitted as part of international admissions requirements.

If the score is above the requirements for admission to the undergraduate or graduate programs (as described below), the student will be admitted to his/her academic program without further ESOL restrictions.

ESOL is designed to help students prepare for academic coursework at UMHB. Based on the results of the placement testing, the chair of MFL or designee will determine the ESOL courses in which students are required to enroll.

### **English Language Proficiency Standards for Admission to Graduate and Undergraduate Programs**

The standards for undergraduate students to enter the academic program of his/her choice without any ESOL restrictions are below.

#### **Admission to Undergraduate Programs without ESOL**

The minimum scores required to enter academic classes bearing credit toward graduation:

TOEFL = At least 80 (iBT) with at least 20 in each band.

IELTS = At least 6 in each band.

PTE (Pearson Test of English)=53

Graduate students must submit a TOEFL or IELTS score as a part of their application. English language proficiency standards are different for admission to graduate programs due to the rigor of the academic work. The standards for graduate students to enter the academic program of his/her choice without any ESOL restrictions are below.

If an international student has attended an English-speaking college or preparatory school prior to admission to UMHB, the ESOL requirements may be waived. Please contact the ESOL Program Director or designee for information regarding waivers.

The ESOL program offers several classes of 3 credit hours each: Grammar, Reading, Writing, and Listening and Speaking. In addition, there are basic, intermediate, and advanced levels of each skill to meet student needs. ESOL tuition is 50% of the cost of undergraduate tuition.

In order to progress from ESOL to other classes, a student must meet ALL of the following exit requirements:

1. Score at or above the designated cut-off on the English Proficiency exam.

2. Score at least 75% in all ESOL classes.
3. Pass an oral interview with a team of UMHB faculty members.

The interview team will evaluate the communication skills of the student and make the decision as to whether the student can be released to all regular classes or remain in a specified number of ESOL courses. Students must enroll in all ESOL courses recommended by this interview team.

After an ESOL student has completed these exit requirements, he/she will exit from ESOL.

#### **Standards for Continued Enrollment**

Undergraduate Students: If after completion of the advanced level ESOL classes, a student does not meet the ESOL exit requirements for all language skills (listening, reading, and writing), he/she will be evaluated by an academic committee to maintain enrollment.

### **SOUTHWEST BORDERLANDS STUDIES B.A.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

#### **DEGREE REQUIREMENTS**

##### **Academic Core- 63 hours**

see Bachelor of Arts Degree Academic Core

##### **B.A. Southwest Borderlands Studies Major Required Courses**

12 hours minimum at UMHB.

|           |  |   |
|-----------|--|---|
| HIST 2311 | American History to 1877                 | 3 |
| HIST 2312 | American History since 1877              | 3 |
| HIST 2340 | Historical Inquiry, Research, and Method | 3 |
| HIST 3313 | History of Texas                         | 3 |
| SOCI 3305 | Latinx in US Society                     | 3 |
| SOCI 3317 | Race and Ethnicity                       | 3 |
| SWBS 2310 | Introduction to Borderlands Studies      | 3 |
| SWBS 3315 | Mexican Culture, History, and Society    | 3 |
| SWBS 3350 | Hispanic Borderlands Literature          | 3 |
| SWBS 4325 | Contemporary Borderlands Issues          | 3 |

**9 hours of electives from:**

|           |  |   |
|-----------|--|---|
| HIST 3314 | The American South                                   | 3 |
| HIST 3362 | History of Latin America                             | 3 |
| PSYC 4330 | Multicultural Psychology                             | 3 |
| SPAN 3330 | Advanced Oral Communication                          | 3 |
| SPAN 3340 | Advanced Composition and Stylistics                  | 3 |
| SPAN 3360 | Introduction to Spanish American Literature          | 3 |
| SPAN 3372 | Spanish for Heritage Speakers                        | 3 |
| SPAN 3393 | Studies in Spanish American Culture and Civilization | 3 |
| SOCW 3325 | Case Management                                      | 3 |

Can take either SOCI/SOCW 3325

## SOUTHWEST BORDERLANDS STUDIES MINOR

### DEGREE REQUIREMENTS

18 Hours

**Required Courses- 18 hours**

|           |                                       |   |
|-----------|---------------------------------------|---|
| SOCI 3317 | Race and Ethnicity                    | 3 |
| SWBS 2310 | Introduction to Borderlands Studies   | 3 |
| SWBS 3315 | Mexican Culture, History, and Society | 3 |
| SWBS 3350 | Hispanic Borderlands Literature       | 3 |

**Plus six hours from the below:**

|           |  |   |
|-----------|--|---|
| HIST 2311 | American History to 1877                             | 3 |
| HIST 2312 | American History since 1877                          | 3 |
| HIST 3313 | History of Texas                                     | 3 |
| HIST 3314 | The American South                                   | 3 |
| HIST 3362 | History of Latin America                             | 3 |
| PSYC 4330 | Multicultural Psychology                             | 3 |
| SOCI 3305 | Latinx in US Society                                 | 3 |
| SOCI 3325 | Human Diversity                                      | 3 |
| SPAN 3330 | Advanced Oral Communication                          | 3 |
| SPAN 3340 | Advanced Composition and Stylistics                  | 3 |
| SPAN 3372 | Spanish for Heritage Speakers                        | 3 |
| SPAN 3393 | Studies in Spanish American Culture and Civilization | 3 |
| SWBS 4325 | Contemporary Borderlands Issues                      | 3 |

Students may not use hours counted in their major to fulfill hours in this minor.

## SPANISH B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

A major in Spanish consists of 30 semester hours above the level of SPAN 2320.

### DEGREE REQUIREMENTS

**Academic Core - 60 hours**

see Bachelor of Arts Degree Academic Core

**B.A. Spanish Major Required Courses – 30 hours**

12 hours minimum at UMHB.

|           |                                     |   |
|-----------|-------------------------------------|---|
| SPAN 3330 | Advanced Oral Communication         | 3 |
| SPAN 3340 | Advanced Composition and Stylistics | 3 |
| SPAN 3342 | Spanish for Careers                 | 3 |
| SPAN 3345 | Literary Analysis                   | 3 |
| SPAN 3370 | Advanced Grammar                    | 3 |
| SPAN 4375 | Spanish Capstone                    | 3 |

**Choose one required:**

|           |   |   |
|-----------|---|---|
| SPAN 3350 | Introduction to Spanish Literature          | 3 |
| SPAN 3360 | Introduction to Spanish American Literature | 3 |

**Plus any three additional Spanish Upper Level electives offered**

NOTE: The same course cannot be counted as both a required course and an elective.

No grade lower than “C” will count toward fulfillment of a Spanish major.

**Capstone to the Major:** Spanish majors who entered UMHB in Fall 2012 or after must demonstrate speaking and writing proficiency as well as cultural and literary knowledge in the language through exams generally administered in the senior year.

## SPANISH MINOR

### DEGREE REQUIREMENTS

A minor in Spanish consists of 18 semester hours above the level of SPAN 2320.

**Required Courses – 18 hours**

6 hours minimum upper level at UMHB

|           |                                     |   |
|-----------|-------------------------------------|---|
| SPAN 3330 | Advanced Oral Communication         | 3 |
| SPAN 3340 | Advanced Composition and Stylistics | 3 |
| SPAN 3342 | Spanish for Careers                 | 3 |

**Plus three additional upper level Spanish electives**

No grade lower than "C" will count toward fulfillment of a Spanish minor.



## ALL-LEVEL SPANISH TEACHING CERTIFICATION

### DEGREE REQUIREMENTS

#### A. Core Courses:

##### Capstone

determined by major

##### Christian Studies - 6 hours

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

##### Social Science - 3 hours

##### English - 9 hours

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

##### Exercise and Sport Science (2 activity courses) - 2 courses

##### Fine Arts - 3 hours

##### Foreign Language - 14 hours

in one language

**NOTE:** The foreign language requirement is 14 semester hours (four semesters or the equivalent) in the same language.

##### Lab Science - 4 hours

##### Public Speaking - 3 hours

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

##### Quantitative Reasoning - 3 hours

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|           | or                     |   |
|           | higher                 |   |

##### Literature of Humanities - 3 hours

##### World Cultures - 3 hours

##### Technology - 3 hours

|           |                      |   |
|-----------|----------------------|---|
| EDUC 2311 | Classroom Technology | 3 |
|-----------|----------------------|---|

##### Chapel - 1 to 4 credits

|           |        |   |
|-----------|--------|---|
| UMHB 1002 | Chapel | 0 |
|-----------|--------|---|

UMHB 1002: credits determined by admission classification

##### Fine Arts Experience - 2-8 credits

|           |                      |   |
|-----------|----------------------|---|
| UMHB 1005 | Fine Arts Experience | 0 |
|-----------|----------------------|---|

UMHB 1005: credits determined by admission classification

#### Freshman Seminar - 1 hour

|           |                  |   |
|-----------|------------------|---|
| UMHB 1101 | Freshman Seminar | 1 |
|-----------|------------------|---|

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

#### World Cultures or Philosophy - 3 hours

#### B.A. Spanish Major Required Courses – 30 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |                                     |   |
|-----------|-------------------------------------|---|
| SPAN 3330 | Advanced Oral Communication         | 3 |
| SPAN 3340 | Advanced Composition and Stylistics | 3 |
| SPAN 3345 | Literary Analysis                   | 3 |
| SPAN 3370 | Advanced Grammar                    | 3 |
| SPAN 3380 | Applied Linguistics for Spanish     | 3 |
| SPAN 4375 | Spanish Capstone                    | 3 |

#### Choose one required:

|           |   |   |
|-----------|---|---|
| SPAN 3350 | Introduction to Spanish Literature          | 3 |
| SPAN 3360 | Introduction to Spanish American Literature | 3 |

#### And nine hours of upper-level Spanish electives

**NOTE:** The same course cannot be counted as both a required course and an elective.

No grade lower than “C” will count toward fulfillment of a Teacher Certification/Spanish major.

In addition, students will need to fulfill general requirements for the B.A. or B.S. degree and the certification requirements of the College of Education requirements. This option is available for certification only.

Students pursuing teacher certification in Spanish must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for Department of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

#### Sophomore Spring Semester

EDUC 3315 Students and Learning 3

#### Junior Year (either semester)

EDUC 4324 Classroom Management 3

EDUC 4328 Curriculum Design I 3

READ 4326 Disciplinary Literacy 3

#### Senior Fall Semester

EDUC 4385 Educational Internship 3

Senior Spring Semester  
EDUC 4250 Student Teaching Seminar 2  
EDUC 4501 Student Teaching I 5  
EDUC 4502 Student Teaching II 5

## School of Natural Sciences

**Dr. Rebecca Peterson, Interim Associate Dean**

Within the School of Natural Sciences are the following departments: Biology; Chemistry, Environmental Science, and Geology; Computer Science, Engineering and Physics; and Mathematics. We strive to provide quality science, technology, engineering, and mathematics programs through robust curricula. We foster a vibrant, innovative academic culture that supports outstanding teaching, research, and service, cultivating an environment in which students can flourish. We endeavor to create lifelong learners through pedagogy centered on developing critical thinking and problem-solving skills, encouraging significant student-faculty interactions, and supporting student organizations, including clubs and honor societies in the respective disciplines. We offer active professional development opportunities through research and internships in several of our programs.

### Biology

**Dr. Kathleen Wood, Chairperson**

The UMHB Department of Biology stimulates students to attain scholarly excellence in the life sciences, within a Christian context, to prepare majors for career success in their chosen field and to provide non-majors with a foundation in biological principles. Our goals are 1) to prepare students for career success and leadership in the life sciences; 2) to strengthen the abilities of students to engage in critical thinking through the process of scientific investigation; and 3) to prepare students to apply faith-based discernment in contemporary social and ethical issues related to Biology.

The student majoring in Biology is not required to declare a minor although they may choose to do so. Biology majors should consult with their advisors to determine the most appropriate courses to take in meeting the 124 hours required for graduation, especially if they are planning to attend a professional school after graduation.

### BIOLOGY B.S.

Majors are required to complete 20 hours of core Biology coursework and 17 hours of Biology electives chosen with

the help of a Biology advisor to best prepare the student for graduate study or employment in their area of interest. The degree plan can be tailored to prepare a student for various health professional programs, laboratory or field employment or graduate research, or science education.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### **DEGREE REQUIREMENTS**

#### **Academic Core – 49-54 hours**

see Bachelor of Science Academic Core with Global Emphasis Option

Students may select either the Study Abroad Option or Foreign Language Option.

#### **B.S. Biology Major Required Courses –37 hours**

12 hours (6 *upper level* ) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| BIOL 1090 | Freshman Evaluation                        | 0 |
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 2170 | Research Methods                           | 1 |
| BIOL 2171 | Research Methods Lab                       | 1 |
| BIOL 3310 | Genetics                                   | 3 |
| BIOL 3110 | Genetics Lab                               | 1 |
| BIOL 4090 | Senior Evaluation                          | 0 |
| BIOL 4194 | Capstone Writing                           | 1 |
| BIOL 4195 | Capstone Seminar                           | 1 |
| BIOL 4370 | Applied Ecology                            | 3 |
| BIOL 4170 | Applied Ecology Lab                        | 1 |

BIOL 1090: Freshmen only

#### **Biology Electives**

|      |                               |     |
|------|-------------------------------|-----|
|      | Upper-level Elective with Lab | 4   |
| BIOL | Any BIOL with Lab             | 4   |
|      | Biology Electives             | 5-6 |

#### **Physiology Elective- Choose One**

|           |                                       |   |
|-----------|---------------------------------------|---|
| BIOL 2330 | Foundations of Comparative Physiology | 3 |
|           | or                                    |   |
| BIOL 2140 | Human Anatomy & Physiology I Lab      | 1 |
| BIOL 2340 | Human Anatomy & Physiology I          | 3 |
|           | or                                    |   |
| BIOL 2180 | Microbiology Lab                      | 1 |
| BIOL 2380 | Microbiology                          | 3 |

No grade lower than a "C" will count toward fulfillment of Biology major requirements.

**Required Support Courses for the Major:**

|           |                      |   |
|-----------|----------------------|---|
| CHEM 1410 | General Chemistry I  | 4 |
| CHEM 1420 | General Chemistry II | 4 |
| CHEM 3410 | Organic Chemistry I  | 4 |
| MATH 1306 | College Algebra      | 3 |
| MATH 2303 | Statistics           | 3 |
| WRIT 3344 | Scientific Writing   | 3 |

**BIOLOGY - PRE-HEALTH PROFESSIONS  
(PHYSICAL THERAPY/OCCUPATIONAL  
THERAPY) B.S.**

This degree plan is for Biology majors interested in Occupational or Physical Therapy. UMHB has experienced growth in the demand for pre-health profession majors. Students should understand that, although graduate programs in health professions do require specific courses for entry, they typically do not require a specific major.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS**

**Academic Core – 46-54 hours**

Bachelor of Science Degree - Academic Core (p. 91)

Students may also select the Bachelor of Science Global Emphasis Foreign Language by taking an additional eight hours in Foreign Language or a Bachelor of Science Global Emphasis Study Abroad by taking an additional three hours in a Study Abroad component.

**B.S. Biology Major Required Courses –37 hours**

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| BIOL 1090 | Freshman Evaluation                    | 0 |
| BIOL 1350 | Biomolecules, Genes, and Cells         | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab     | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems | 3 |

|           |  |   |
|-----------|--|---|
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 2170 | Research Methods                           | 1 |
| BIOL 2171 | Research Methods Lab                       | 1 |
| BIOL 3310 | Genetics                                   | 3 |
| BIOL 3110 | Genetics Lab                               | 1 |
| BIOL 4090 | Senior Evaluation                          | 0 |
| BIOL 4194 | Capstone Writing                           | 1 |
| BIOL 4195 | Capstone Seminar                           | 1 |
| BIOL 4370 | Applied Ecology                            | 3 |
| BIOL 4170 | Applied Ecology Lab                        | 1 |

BIOL 1090: Freshmen only

Recommended 50-200 observation hours for pre-PT

Recommended 20-80 observation hours for pre-OT

**Biology Electives**

|           |                                   |   |
|-----------|-----------------------------------|---|
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| BIOL 2341 | Human Anatomy & Physiology II     | 3 |
| BIOL 3175 | Human Physiology Lab              | 1 |
| BIOL 3375 | Human Physiology                  | 3 |

**Physiology Elective**

|           |                                  |   |
|-----------|----------------------------------|---|
| BIOL 2140 | Human Anatomy & Physiology I Lab | 1 |
| BIOL 2340 | Human Anatomy & Physiology I     | 3 |

No grade lower than a "C" will count toward fulfillment of Biology major requirements.

**Required Support Courses for the Major:**

|           |                           |   |
|-----------|---------------------------|---|
| CHEM 1410 | General Chemistry I       | 4 |
| CHEM 1420 | General Chemistry II      | 4 |
| CHEM 3410 | Organic Chemistry I       | 4 |
| EXSS 3390 | Anatomical Kinesiology    | 3 |
| MATH 1306 | College Algebra           | 3 |
| MATH 1320 | Pre Calculus              | 3 |
| MATH 2303 | Statistics                | 3 |
| PHYS 2411 | General Physics I         | 4 |
| PHYS 2412 | General Physics II        | 4 |
| PSYC 1301 | General Psychology        | 3 |
| PSYC 2311 | Developmental Psychology  | 3 |
| PSYC 3315 | Abnormal Psychology       | 3 |
| SOCI 1311 | Introduction to Sociology | 3 |
| WRIT 3344 | Scientific Writing        | 3 |

\* EXSS 3390 Required Support Course for Pre-OT Only.

+PHYS 2412 Required Support Course for Pre-PT Only.

# Pre-PT can substitute PSYC 3315 for PSYC 2311.

## BIOLOGY MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 23 hours

|                             |  |   |
|-----------------------------|--|---|
| 6 hours upper level at UMHB |  |   |
| BIOL 1350                   | Biomolecules, Genes, and Cells             | 3 |
| BIOL 1150                   | Biomolecules, Genes, and Cells Lab         | 1 |
| BIOL 1360                   | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 1160                   | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 3310                   | Genetics                                   | 3 |
| BIOL 4370                   | Applied Ecology                            | 3 |
| BIOL                        | Electives                                  | 9 |

### TEACHER CERTIFICATION IN LIFE SCIENCE SECONDARY LEVEL

Students pursuing teacher certification in the sciences must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

|                           |                       |   |
|---------------------------|-----------------------|---|
| Sophomore Spring Semester |                       |   |
| EDUC 3315                 | Students and Learning | 3 |

|                               |                       |   |
|-------------------------------|-----------------------|---|
| Junior Year (either semester) |                       |   |
| EDUC 4324                     | Classroom Management  | 3 |
| EDUC 4328                     | Curriculum Design I   | 3 |
| READ 4326                     | Disciplinary Literacy | 3 |

|                      |                        |   |
|----------------------|------------------------|---|
| Senior Fall Semester |                        |   |
| EDUC 4385            | Educational Internship | 3 |

|                        |                          |   |
|------------------------|--------------------------|---|
| Senior Spring Semester |                          |   |
| EDUC 4250              | Student Teaching Seminar | 2 |
| EDUC 4501              | Student Teaching I       | 5 |
| EDUC 4502              | Student Teaching II      | 5 |

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core

includes Bachelor of Science Academic Core plus EDUC 2311; certain core requirements must be fulfilled by specific courses; see degree plan for details

Students may also select the Bachelor of Science Global Emphasis Foreign Language by taking an additional eight hours in Foreign Language or a Bachelor of Science Global Emphasis Study Abroad by taking an additional three hours in a Study Abroad component.

### B.S. Teacher Certification in Life Science Secondary Level Required Courses –37 hours

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

This option is available for certification only.

|           |  |     |
|-----------|--|-----|
| BIOL 1090 | Freshman Evaluation                        | 0   |
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3   |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1   |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3   |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1   |
| BIOL 2170 | Research Methods                           | 1   |
| BIOL 2171 | Research Methods Lab                       | 1   |
| BIOL 3310 | Genetics                                   | 3   |
| BIOL 3110 | Genetics Lab                               | 1   |
| BIOL 4090 | Senior Evaluation                          | 0   |
| BIOL 4194 | Capstone Writing                           | 1   |
| BIOL 4195 | Capstone Seminar                           | 1   |
| BIOL 4370 | Applied Ecology                            | 3   |
| BIOL 4170 | Applied Ecology Lab                        | 1   |
|           | Physiology Elective 3-4                    | 3-4 |

### Biology Electives

|      |                               |     |
|------|-------------------------------|-----|
|      | Upper-level Elective with Lab | 4   |
| BIOL | Any BIOL with Lab             | 4   |
|      | Biology Electives             | 5-6 |

No grade lower than a "C" will count toward fulfillment of Biology major requirements.

BIOL 1090: Freshmen only

### Required Support Courses for the Major:

|           |                      |   |
|-----------|----------------------|---|
| CHEM 1410 | General Chemistry I  | 4 |
| CHEM 1420 | General Chemistry II | 4 |
| CHEM 3410 | Organic Chemistry I  | 4 |
| MATH 1306 | College Algebra      | 3 |

|           |                    |   |
|-----------|--------------------|---|
| MATH 2303 | Statistics         | 3 |
| WRIT 3344 | Scientific Writing | 3 |

## TEACHER CERTIFICATION IN SCIENCE SECONDARY LEVEL

Students pursuing teacher certification in the sciences must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

|                           |                       |   |
|---------------------------|-----------------------|---|
| Sophomore Spring Semester |                       |   |
| EDUC 3315                 | Students and Learning | 3 |

|                               |                       |   |
|-------------------------------|-----------------------|---|
| Junior Year (either semester) |                       |   |
| EDUC 4324                     | Classroom Management  | 3 |
| EDUC 4328                     | Curriculum Design I   | 3 |
| READ 4326                     | Disciplinary Literacy | 3 |

|                      |                        |   |
|----------------------|------------------------|---|
| Senior Fall Semester |                        |   |
| EDUC 4385            | Educational Internship | 3 |

|                        |                          |   |
|------------------------|--------------------------|---|
| Senior Spring Semester |                          |   |
| EDUC 4250              | Student Teaching Seminar | 2 |
| EDUC 4501              | Student Teaching I       | 5 |
| EDUC 4502              | Student Teaching II      | 5 |

## DEGREE REQUIREMENTS

### Academic Core

includes Bachelor of Science Academic Core plus EDUC 2311; certain core requirements must be fulfilled by specific courses; see degree plan for details.

Students may also select the Bachelor of Science Global Emphasis Foreign Language by taking an additional eight hours in Foreign Language or a Bachelor of Science Global Emphasis Study Abroad by taking an additional three hours in a Study Abroad component.

GEOL 1402, and PHYS 2411 satisfy the laboratory sciences block in the core curriculum.

### B.S. Teacher Certification in Science Secondary Level Required Courses – 37 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

**This option is available for certification only.**

|           |                     |   |
|-----------|---------------------|---|
| BIOL 1090 | Freshman Evaluation | 0 |
|-----------|---------------------|---|

|           |  |     |
|-----------|--|-----|
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3   |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1   |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3   |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1   |
| BIOL 2170 | Research Methods                           | 1   |
| BIOL 2171 | Research Methods Lab                       | 1   |
| BIOL 3310 | Genetics                                   | 3   |
| BIOL 3110 | Genetics Lab                               | 1   |
| BIOL 4090 | Senior Evaluation                          | 0   |
| BIOL 4194 | Capstone Writing                           | 1   |
| BIOL 4195 | Capstone Seminar                           | 1   |
| BIOL 4370 | Applied Ecology                            | 3   |
| BIOL 4170 | Applied Ecology Lab                        | 1   |
|           | Physiology Elective 3-4                    | 3-4 |
| BIOL      | Upper-level Elective                       | 4   |
| BIOL      | Any BIOL with Lab                          | 4   |
|           | BIOL Electives 5-6                         | 5-6 |

No grade lower than a "C" will count toward fulfillment of Biology major requirements.

BIOL 1090: Freshmen only

### Required Support Courses for the Major:

|           |                      |   |
|-----------|----------------------|---|
| CHEM 1410 | General Chemistry I  | 4 |
| CHEM 1420 | General Chemistry II | 4 |
| CHEM 3410 | Organic Chemistry I  | 4 |
| GEOL 1401 | Physical Geology     | 4 |
| MATH 1306 | College Algebra      | 3 |
| MATH 2303 | Statistics           | 3 |
| WRIT 3344 | Scientific Writing   | 3 |

## ADDITIONAL REQUIREMENTS FOR CERTIFICATION

This Science secondary certification requires a minor in Chemistry. In addition, students will need to fulfill general requirements for the B.S. degree and the certification requirements of the College of Education. This option is available for certification only.

### Chemistry Minor Required Courses – 24 semester hours:

If the student chooses the minor in Chemistry, the requirements are:

|           |                      |   |
|-----------|----------------------|---|
| CHEM 1410 | General Chemistry I  | 4 |
| CHEM 1420 | General Chemistry II | 4 |

|           |                                   |   |           |                                     |   |
|-----------|-----------------------------------|---|-----------|-------------------------------------|---|
| CHEM 3001 | Lab Assistantship                 | 0 | CHEM 3410 | Organic Chemistry I                 | 4 |
| CHEM 3400 | Quantitative Analysis             | 4 | CSBS 1312 | Engaging the New Testament Elective | 3 |
| CHEM 3410 | Organic Chemistry I               | 4 | ENGL 1002 | Literature Chapel                   | 3 |
| CHEM 3420 | Organic Chemistry II              | 4 | UMHB 1005 | Fine Arts Experience                | 0 |
| CHEM 4191 | Seminar                           | 1 |           |                                     |   |
| CHEM 4300 | Safety in the Academic Laboratory | 3 |           |                                     |   |

See the Chemistry department listing for the Science Secondary Level Chemistry major, Biology minor option.

## BIOLOGY B.S. (SAMPLE SCHEDULE)

### FRESHMAN YEAR

#### Fall

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1090 | Freshman Evaluation                | 0 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| CHEM 1410 | General Chemistry I                | 4 |
| MATH 1306 | College Algebra                    | 3 |
| ENGL 1321 | Rhetoric & Composition I           | 3 |
| UMHB 1101 | Freshman Seminar                   | 1 |
| UMHB 1002 | Chapel                             | 0 |
| UMHB 1005 | Fine Arts Experience               | 0 |

#### Spring

|           |  |   |
|-----------|--|---|
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| CHEM 1420 | General Chemistry II                       | 4 |
| COMM 1320 | Public Speaking                            | 3 |
| ENGL 1322 | Rhetoric & Composition II                  | 3 |
| UMHB 1002 | Chapel                                     | 0 |
| UMHB 1005 | Fine Arts Experience                       | 0 |
| EXAC      | Activity Course                            | 1 |

### SOPHOMORE YEAR

#### Fall

|           |                      |   |
|-----------|----------------------|---|
| BIOL 2170 | Research Methods     | 1 |
| BIOL 2171 | Research Methods Lab | 1 |

#### Spring

|           |                         |     |
|-----------|-------------------------|-----|
| BIOL      | Physiology Elective 3-4 | 3-4 |
| ENGL      | Any BIOL with Lab       | 4   |
|           | Literature              | 3   |
|           | Elective                | 3   |
| EXAC      | Activity Course         | 1   |
| UMHB 1002 | Chapel                  | 0   |
| UMHB 1005 | Fine Arts Experience    | 0   |

### JUNIOR YEAR

#### Fall

|           |                                     |   |
|-----------|-------------------------------------|---|
| BIOL 3310 | Genetics                            | 3 |
| BIOL 3110 | Genetics Lab                        | 1 |
| WRIT 3344 | Scientific Writing                  | 3 |
| CSBS 1311 | Engaging the Old Testament Elective | 3 |
| MATH 2303 | Statistics                          | 3 |
| UMHB 1005 | Fine Arts Experience                | 0 |

#### Spring

|           |                                       |     |
|-----------|---------------------------------------|-----|
|           | Biology Electives                     | 5-6 |
|           | Electives                             | 6   |
|           | Global Issues/Social Science          | 3   |
|           | World Ideas/Philosophy/Non-US History | 3   |
| EXAC      | Activity Course                       | 1   |
| UMHB 1005 | Fine Arts Experience                  | 0   |

### SENIOR YEAR

#### Fall

|           |                               |     |
|-----------|-------------------------------|-----|
| BIOL 4370 | Applied Ecology               | 3   |
| BIOL 4170 | Applied Ecology Lab           | 1   |
|           | or                            |     |
|           | Upper-level Elective with Lab | 4   |
| BIOL 4194 | Capstone Writing              | 1   |
|           | BIOL Electives 2-3            | 2-3 |
|           | Elective                      | 3   |
|           | Social Science                | 3   |
| UMHB 1005 | Fine Arts Experience          | 0   |

**Spring**

|           |                                  |   |
|-----------|----------------------------------|---|
| BIOL 4090 | Senior Evaluation                | 0 |
| BIOL 4195 | Capstone Seminar                 | 1 |
|           | Upper-level Elective with Lab or | 4 |
| BIOL 4170 | Applied Ecology Lab              | 1 |
| BIOL 4370 | Applied Ecology                  | 3 |
|           | Electives                        | 6 |
|           | Fine Arts                        | 3 |
|           | Social Science                   | 3 |
| UMHB 1005 | Fine Arts Experience             | 0 |

### BIOLOGY B.S. IN BIOLOGY FOR PRE-MED/PRE-DENTAL (SAMPLE SCHEDULE)

**FRESHMAN YEAR****Fall**

|           |                                    |   |
|-----------|------------------------------------|---|
| BIOL 1090 | Freshman Evaluation                | 0 |
| BIOL 1350 | Biomolecules, Genes, and Cells     | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab | 1 |
| CHEM 1410 | General Chemistry I                | 4 |
| MATH 1306 | College Algebra                    | 3 |
| ENGL 1321 | Rhetoric & Composition I           | 3 |
| UMHB 1101 | Freshman Seminar                   | 1 |
| UMHB 1002 | Chapel                             | 0 |
| UMHB 1005 | Fine Arts Experience               | 0 |

**Spring**

|           |  |   |
|-----------|--|---|
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| CHEM 1420 | General Chemistry II                       | 4 |
| COMM 1320 | Public Speaking                            | 3 |
| ENGL 1322 | Rhetoric & Composition II                  | 3 |
| EXAC      | Activity Course                            | 1 |
| UMHB 1002 | Chapel                                     | 0 |
| UMHB 1005 | Fine Arts Experience                       | 0 |

**SOPHOMORE YEAR****Fall**

|           |                      |   |
|-----------|----------------------|---|
| BIOL 2170 | Research Methods     | 1 |
| BIOL 2171 | Research Methods Lab | 1 |

|           |                      |   |
|-----------|----------------------|---|
| BIOL 3310 | Genetics             | 3 |
| BIOL 3110 | Genetics Lab         | 1 |
| CHEM 3410 | Organic Chemistry I  | 4 |
| ENGL      | Literature           | 3 |
| PSYC 1301 | General Psychology   | 3 |
| UMHB 1002 | Chapel               | 0 |
| UMHB 1005 | Fine Arts Experience | 0 |

**Spring**

|           |                           |   |
|-----------|---------------------------|---|
| BIOL 2380 | Microbiology              | 3 |
| BIOL 2180 | Microbiology Lab          | 1 |
| CHEM 3420 | Organic Chemistry II      | 4 |
| ENGL      | Literature                | 3 |
| SOCI 1311 | Introduction to Sociology | 3 |
| UMHB 1002 | Chapel                    | 0 |
| UMHB 1005 | Fine Arts Experience      | 0 |

**JUNIOR YEAR****Fall**

|           |                                  |   |
|-----------|----------------------------------|---|
| BIOL 2340 | Human Anatomy & Physiology I     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab | 1 |
| CHEM 4430 | Biochemistry                     | 4 |
| MATH 1320 | Pre Calculus                     | 3 |
| PHYS 2411 | General Physics I or             | 4 |
| PHYS 2421 | Physics I with Calculus          | 4 |
| EXAC      | Activity Course                  | 1 |
| UMHB 1005 | Fine Arts Experience             | 0 |

**Spring**

|           |                                   |   |
|-----------|-----------------------------------|---|
| BIOL 2341 | Human Anatomy & Physiology II     | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| MATH 2303 | Statistics                        | 3 |
| PHYS 2412 | General Physics II or             | 4 |
| PHYS 2422 | Physics II with Calculus          | 4 |
| PSYC 2311 | Developmental Psychology          | 3 |
| WRIT 3344 | Scientific Writing                | 3 |
| UMHB 1005 | Fine Arts Experience              | 0 |

**SENIOR YEAR****Fall**

|           |                 |   |
|-----------|-----------------|---|
| BIOL 4370 | Applied Ecology | 3 |
|-----------|-----------------|---|

|               |                              |   |
|---------------|------------------------------|---|
| BIOL 4170     | Applied Ecology Lab          | 1 |
| BIOL 4305     | Cell Biology                 | 3 |
| BIOL 4105     | Cell Biology Lab             | 1 |
| BIOL 4194     | Capstone Writing             | 1 |
|               | World Ideas or Philosophy or | 3 |
|               | Non-US History               |   |
| CSBS 1312     | Engaging the New Testament   | 3 |
| UMHB 1005     | Fine Arts Experience         | 0 |
| <b>Spring</b> |                              |   |
| BIOL 4090     | Senior Evaluation            | 0 |
| BIOL 4195     | Capstone Seminar             | 1 |
| BIOL 3340     | Immunology                   | 3 |
| CSBS 1311     | Engaging the Old Testament   | 3 |
|               | Electives                    | 6 |
|               | Fine Arts                    | 3 |
| UMHB 1005     | Fine Arts Experience         | 0 |

\* BIOL 3340 is recommended but not required.

Sample schedules for Biology majors interested in Pre-Physical Therapy, Pre-Physician Assistant and Pre-Veterinary Medicine as well as other pre-allied health professions are available. Contact Dr. Kathleen Wood at [kwood@umhb.edu](mailto:kwood@umhb.edu) or (254) 295-4214 for more information about these tracks. You may also download these sample degree plan schedules by going to the UMHB Biology website at <http://undergrad.umhb.edu/biology/advising>.

### Health Professions Curricula

The following section gives a brief description of available pre-professional programs with the University of Mary Hardin-Baylor's role in these programs. However, only general information about each curriculum is given because the details of admission criteria to professional schools will vary from year to year. If a student has an interest in one of the areas described, then the student is encouraged to contact a member of the Health Professions Advisory Committee. This committee serves as a clearing house for information on all of these professions, and will be able to give the student specific details on the programs. Without exception, admission to all types of professional schools is highly competitive and requires academic work considerably above average. Members of the Health Professions Advisory Committee can give a prospective student the G.P.A. requirements necessary to compete successfully in a given year for specific programs.

Students interested in other health professions not listed here can receive information from the co-chairs of the Health Professions Advisory Committee:

Dr. Ruth Ann Murphy, Chairperson of Chemistry, [rmurphy@umhb.edu](mailto:rmurphy@umhb.edu), (254) 295-4542

Dr. Kathleen Wood, Chairperson of Biology, [kwood@umhb.edu](mailto:kwood@umhb.edu), (254) 295-4214.

### PRE-CLINICAL LABORATORY SCIENCE (FORMERLY MEDICAL TECHNOLOGY)

To become a clinical laboratory scientist, a student with a baccalaureate degree in the natural sciences may apply for a one-year internship. The program at Scott and White requires a 2.75 minimum GPA and a 2.5 minimum in the sciences. More information is available from Dr. Ruth Ann Murphy, [rmurphy@umhb.edu](mailto:rmurphy@umhb.edu), (254) 295-4542 or (254) 295-4537; or Dr. Joni Ylostalo, (254) 295-5534

### PRE-DENTISTRY, PRE-MEDICINE, OR PRE-VETERINARY

Any student desiring to attend dental, medical, or veterinary school will, in most cases, be required to complete a baccalaureate degree in the field of choice. In addition, specific course requirements must be met in Biology, Chemistry, English, Mathematics, Physics, and the Behavioral Sciences. Students must also complete the Dental Aptitude Test (DAT) or the Medical College Admissions Test (MCAT) before making application to dental or medical school. The application process should be started at the end of the student's junior year. More information is available on Pre-Medical Studies from Dr. Kathleen Wood, [kwood@umhb.edu](mailto:kwood@umhb.edu), (254)-295-4214. Or, Dr. Ruth Ann Murphy, [rmurphy@umhb.edu](mailto:rmurphy@umhb.edu), (254) 295-4542. For Pre-Dental or Pre-Veterinary Studies, Dr. Cathleen Early, can be reached at [cearly@umhb.edu](mailto:cearly@umhb.edu), (254) 295-5041 or Dr. Ruth Ann Murphy, [rmurphy@umhb.edu](mailto:rmurphy@umhb.edu), (254) 295-4542

### PRE-HEALTH PROFESSIONS PT/OT

This degree plan is for Biology majors interested in Occupational or Physical Therapy. UMHB has experienced growth in the demand for pre-health profession majors. Students should understand that, although graduate programs in health professions do require specific courses for entry, they typically do not require a specific major. For more information regarding this degree please contact Dr. Karen Grant [kgrant@umhb.edu](mailto:kgrant@umhb.edu), (254) 295-4147.

### PRE-OPTOMETRY

The university course requirements for admission to optometry schools can be completed at Mary Hardin-Baylor. The pre-professional curriculum includes a minimum of 55-60 semester hours with specific prerequisite courses, and a baccalaureate degree is required



prior to matriculation. Completion of the Optometry College Admission Test is also necessary for admission to a school of optometry. More information is available from Dr. Karen Grant, kgrant@umhb.edu, (254) 295-4147. Or, Dr. Ruth Ann Murphy, rmurphy@umhb.edu, (254) 295-4542.

## PRE-PHYSICIAN ASSISTANT

A Physician Assistant has been defined as “a skilled person qualified by academic and practical training to provide patient services under the supervision and direction of a licensed physician who is responsible for the performance of that individual.” The pre-professional college curriculum includes a minimum of 60 semester credits with specific prerequisite courses. Some programs require a bachelor’s degree for admission. More information is available from Dr. Karen Grant, kgrant@umhb.edu, (254) 295-4147. Or, Dr. Ruth Ann Murphy, rmurphy@umhb.edu, (254) 295-4542.

## PRE-PHARMACY

The pre-professional portion of the Pharmacy program may be taken at the University of Mary Hardin-Baylor. A minimum of 60 semester hours must be completed prior to making application to Pharmacy school. In the case of the College of Pharmacy at the University of Texas at Austin, admission to the University does not guarantee admission to the professional program in Pharmacy. More information is available from Dr. Joni Ylostalo, jylostalo@umhb.edu, (254)-295-5534. Or, Dr. Ruth Ann Murphy, rmurphy@umhb.edu, (254) 295-4542.

## Chemistry, Environmental Science and Geology

### Dr. Ruth Ann Murphy, Chairperson

The Department of Chemistry, Environmental Science, and Geology strives to equip all their students taking these sciences with an awareness of the impact of modern technology on our society, as well as to introduce them to the essentials of these disciplines. Persons majoring in Chemistry are given the foundation necessary for graduate study and/or for employment in the chemical industry. Likewise, fundamental training is provided for those planning to enter science education or any of the pre-professional fields.

The Chemistry major with a Biochemistry Emphasis is recommended for students planning to pursue a career in medical research. The Chemistry major with Biochemistry Emphasis or the Chemistry major for Pre-Health Professions are recommended for students planning to attend medical or dental school.

## CHEMISTRY B.S.

Majors will also be required to take (as a minimum) MATH 1330, PHYS 2411, and PHYS 2412. MATH 2303, MATH 2330, MATH 3330, and a foreign language are recommended.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core – 49-54 hours

see Bachelor of Science Academic Core with Global Emphasis Option

Students may select either the Study Abroad Option or Foreign Language Option.

### B.S. Chemistry Major Required Courses –35-37 hours

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| CHEM 1410 | General Chemistry I                          | 4 |
| CHEM 1420 | General Chemistry II                         | 4 |
| CHEM 2181 | Introduction to Chemical Research-Capstone I | 1 |
| CHEM 3400 | Quantitative Analysis                        | 4 |
| CHEM 3410 | Organic Chemistry I                          | 4 |
| CHEM 3420 | Organic Chemistry II                         | 4 |
| CHEM 3440 | Physical Chemistry I                         | 4 |
| CHEM 3450 | Physical Chemistry II                        | 4 |
| CHEM 4090 | Senior Evaluation                            | 0 |
| CHEM 4181 | Chemical Research-Capstone II                | 1 |
| CHEM 4183 | Seminar - Capstone III                       | 1 |

### 4 - 6 hours from the following:

|                |                              |   |
|----------------|------------------------------|---|
| CHEM 3480      | Environmental Chemistry      | 4 |
| CHEM 4350      | Advanced Inorganic Chemistry | 3 |
| CHEM 4430      | Biochemistry                 | 4 |
| CHEM 4440      | Instrumental Analysis        | 4 |
| CHEM 4190-4490 |                              |   |
| CHEM 4193-4493 |                              |   |

A grade of “C” or better must be made in all Chemistry courses counting toward the major.

**Required Support Courses for major:**

|           |                    |   |
|-----------|--------------------|---|
| MATH      | Calculus I         | 3 |
| 1330      |                    |   |
| PHYS 2411 | General Physics I  | 4 |
| PHYS 2412 | General Physics II | 4 |

**Recommended Support Courses:**

|      |                  |   |
|------|------------------|---|
| MATH | Statistics       | 3 |
| 2303 |                  |   |
| MATH | Calculus II      | 3 |
| 2330 |                  |   |
| MATH | Calculus III     | 3 |
| 3330 |                  |   |
|      | Foreign language |   |

## CHEMISTRY B.S. PRE-HEALTH PROFESSIONS

Majors will also be required to take (as a minimum) MATH 1330, PHYS 2411, and PHYS 2412. MATH 2303, MATH 2330, MATH 3330, and a foreign language are recommended.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

**Academic Core – 49-54 hours**

see Bachelor of Science Academic Core with Global Emphasis Option

Students may select either the Study Abroad Option or Foreign Language Option.

**B.S. Chemistry Pre-Health Professions Major Required Courses – 35 hours**

12 hours (*6 upper level*) at UMHB

|                              |                          |   |
|------------------------------|--------------------------|---|
| 12 hours minimum upper level |                          |   |
| CHEM                         | General Chemistry I      | 4 |
| 1410                         |                          |   |
| CHEM                         | General Chemistry II     | 4 |
| 1420                         |                          |   |
| CHEM                         | Introduction to Chemical | 1 |
| 2181                         | Research-Capstone I      |   |
| CHEM                         | Quantitative Analysis    | 4 |
| 3400                         |                          |   |
| CHEM                         | Organic Chemistry I      | 4 |
| 3410                         |                          |   |
| CHEM                         | Organic Chemistry II     | 4 |
| 3420                         |                          |   |
| CHEM                         | Physical Chemistry I     | 4 |
| 3440                         |                          |   |

|      |                               |   |
|------|-------------------------------|---|
| CHEM | Physical Chemistry II         | 4 |
| 3450 |                               |   |
| CHEM | Senior Evaluation             | 0 |
| 4090 |                               |   |
| CHEM | Chemical Research-Capstone II | 1 |
| 4181 |                               |   |
| CHEM | Seminar - Capstone III        | 1 |
| 4183 |                               |   |
| CHEM | Biochemistry                  | 4 |
| 4430 |                               |   |

**Electives - As needed to reach 124 hrs**

|           |                              |   |
|-----------|------------------------------|---|
| CHEM      | Environmental Chemistry      | 4 |
| 3480      |                              |   |
| CHEM      | Advanced Inorganic Chemistry | 3 |
| 4350      |                              |   |
| CHEM      | Instrumental Analysis        | 4 |
| 4440      |                              |   |
| CHEM      |                              |   |
| 4190-4490 |                              |   |
| CHEM      |                              |   |
| 4193-4493 |                              |   |

A grade of “C” or better must be made in all Chemistry courses counting toward the major.

**Required Support Courses for major:**

|           |  |   |
|-----------|--|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3 |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 2140 | Human Anatomy & Physiology I Lab           | 1 |
| BIOL 2340 | Human Anatomy & Physiology I               | 3 |
| BIOL 2141 | Human Anatomy & Physiology II Lab          | 1 |
| BIOL 2341 | Human Anatomy & Physiology II              | 3 |
| MATH      | College Algebra                            | 3 |
| 1306      |  |   |
| MATH      | Pre Calculus                               | 3 |
| 1320      |  |   |
| MATH      | Calculus I                                 | 3 |
| 1330      |  |   |
| PHYS 2411 | General Physics I                          | 4 |
| PHYS 2412 | General Physics II                         | 4 |
| PSYC 1301 | General Psychology                         | 3 |
| SOCI 1311 | Introduction to Sociology                  | 3 |

**Recommended Support Courses:**

|      |              |   |
|------|--------------|---|
| MATH | Statistics   | 3 |
| 2303 |              |   |
| MATH | Calculus II  | 3 |
| 2330 |              |   |
| MATH | Calculus III | 3 |
| 3330 |              |   |

## CHEMISTRY B.S. WITH A BIOCHEMISTRY AND MOLECULAR BIOLOGY EMPHASIS

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 49-54 hours

see Bachelor of Science Academic Core with Global  
Emphasis Option

Students may select either the Study Abroad Option or  
Foreign Language Option.

#### B.S. Chemistry Major with a Biochemistry Emphasis Required Courses –37-38 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| CHEM 1410 | General Chemistry I                             | 4 |
| CHEM 1420 | General Chemistry II                            | 4 |
| CHEM 2181 | Introduction to Chemical<br>Research-Capstone I | 1 |
| CHEM 3400 | Quantitative Analysis                           | 4 |
| CHEM 3410 | Organic Chemistry I                             | 4 |
| CHEM 3420 | Organic Chemistry II                            | 4 |
| CHEM 3440 | Physical Chemistry I                            | 4 |
| CHEM 4090 | Senior Evaluation                               | 0 |
| CHEM 4181 | Chemical Research-Capstone II                   | 1 |
| CHEM 4183 | Seminar - Capstone III                          | 1 |
| CHEM 4345 | Advanced Biochemistry                           | 3 |
| CHEM 4430 | Biochemistry                                    | 4 |
| CHEM X4XX | Upper-level Electives                           |   |
|           | or  |   |
| CHEM X3XX | Upper-level Elective                            |   |

A grade of “C” or better must be made in all Chemistry  
courses counting toward the major.

#### Required Support Courses for major:

|           |                                       |   |
|-----------|---------------------------------------|---|
| BIOL 1350 | Biomolecules, Genes, and Cells        | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells<br>Lab | 1 |

|           |   |   |
|-----------|---|---|
| BIOL 1360 | Organisms, Populations, and<br>Ecosystems     | 3 |
| BIOL 1160 | Organisms, Populations, and<br>Ecosystems Lab | 1 |
| BIOL 2380 | Microbiology                                  | 3 |
| BIOL 2180 | Microbiology Lab                              | 1 |
| BIOL 3310 | Genetics                                      | 3 |
| BIOL 3340 | Immunology                                    | 3 |
| BIOL 4305 | Cell Biology                                  | 3 |
| BIOL 4105 | Cell Biology Lab                              | 1 |
| MATH 1330 | Calculus I                                    | 3 |
| PHYS 2411 | General Physics I                             | 4 |
| PHYS 2412 | General Physics II                            | 4 |

#### Recommended Support Courses:

|           |                  |   |
|-----------|------------------|---|
| MATH 2303 | Statistics       | 3 |
| MATH 2330 | Calculus II      | 3 |
| MATH 3330 | Calculus III     | 3 |
|           | Foreign language |   |

## CHEMISTRY MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 24-25 hours

6 hours upper level at UMHB

|           |                       |   |
|-----------|-----------------------|---|
| CHEM 1410 | General Chemistry I   | 4 |
| CHEM 1420 | General Chemistry II  | 4 |
| CHEM 3400 | Quantitative Analysis | 4 |
| CHEM 3410 | Organic Chemistry I   | 4 |
| CHEM 3420 | Organic Chemistry II  | 4 |
| CHEM 4191 | Seminar               | 1 |

#### 3 to 4 semester hours from:

|           |                              |   |
|-----------|------------------------------|---|
| CHEM 3440 | Physical Chemistry I         | 4 |
| CHEM 3450 | Physical Chemistry II        | 4 |
| CHEM 3480 | Environmental Chemistry      | 4 |
| CHEM 4350 | Advanced Inorganic Chemistry | 3 |
| CHEM 4430 | Biochemistry                 | 4 |
| CHEM 4440 | Instrumental Analysis        | 4 |

CHEM  
4190-4490  
CHEM  
4193-4493

## TEACHER CERTIFICATION IN SCIENCE – CHEMISTRY SECONDARY LEVEL

Students pursuing teacher certification in the sciences must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

Sophomore Spring Semester  
EDUC 3315 Students and Learning 3

Junior Year (either semester)  
EDUC 4324 Classroom Management 3  
EDUC 4328 Curriculum Design I 3  
READ 4326 Disciplinary Literacy 3

Senior Fall Semester  
EDUC 4385 Educational Internship 3

Senior Spring Semester  
EDUC 4250 Student Teaching Seminar 2  
EDUC 4501 Student Teaching I 5  
EDUC 4502 Student Teaching II 5

## DEGREE REQUIREMENTS

### Academic Core

see Bachelor of Science Academic Core with Global Emphasis Option

Students may select either the Study Abroad Option or Foreign Language Option.

includes Bachelor of Science Academic Core with Global Emphasis Option plus EDUC 2311; certain core requirements must be fulfilled by specific courses; see applicable degree plan for details

### B.S. Chemistry Major Required Courses –35-37 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|      |                          |   |
|------|--------------------------|---|
| CHEM | General Chemistry I      | 4 |
| 1410 |                          |   |
| CHEM | General Chemistry II     | 4 |
| 1420 |                          |   |
| CHEM | Introduction to Chemical | 1 |
| 2181 | Research-Capstone I      |   |

|      |                                   |   |
|------|-----------------------------------|---|
| CHEM | Lab Assistantship                 | 0 |
| 3001 |                                   |   |
| CHEM | Quantitative Analysis             | 4 |
| 3400 |                                   |   |
| CHEM | Organic Chemistry I               | 4 |
| 3410 |                                   |   |
| CHEM | Organic Chemistry II              | 4 |
| 3420 |                                   |   |
| CHEM | Physical Chemistry I              | 4 |
| 3440 |                                   |   |
| CHEM | Physical Chemistry II             | 4 |
| 3450 |                                   |   |
| CHEM | Senior Evaluation                 | 0 |
| 4090 |                                   |   |
| CHEM | Chemical Research-Capstone II     | 1 |
| 4181 |                                   |   |
| CHEM | Seminar - Capstone III            | 1 |
| 4183 |                                   |   |
| CHEM | Safety in the Academic Laboratory | 3 |
| 4300 |                                   |   |

### 1 - 3 hours from the following:

|           |                              |   |
|-----------|------------------------------|---|
| CHEM      | Environmental Chemistry      | 4 |
| 3480      |                              |   |
| CHEM      | Advanced Inorganic Chemistry | 3 |
| 4350      |                              |   |
| CHEM      | Biochemistry                 | 4 |
| 4430      |                              |   |
| CHEM      | Instrumental Analysis        | 4 |
| 4440      |                              |   |
| CHEM      |                              |   |
| 4190-4490 |                              |   |
| CHEM      |                              |   |
| 4193-4493 |                              |   |

A grade of “C” or better must be made in all Chemistry courses counting toward the major.

### Required Support Courses for major:

|           |                    |   |
|-----------|--------------------|---|
| MATH      | Calculus I         | 3 |
| 1330      |                    |   |
| PHYS 2411 | General Physics I  | 4 |
| PHYS 2412 | General Physics II | 4 |

### Recommended Support Courses:

|      |                  |   |
|------|------------------|---|
| MATH | Statistics       | 3 |
| 2303 |                  |   |
| MATH | Calculus II      | 3 |
| 2330 |                  |   |
| MATH | Calculus III     | 3 |
| 3330 |                  |   |
|      | Foreign language |   |

## ADDITIONAL REQUIREMENTS FOR CERTIFICATION

This Science secondary certification requires a minor in Biology. Students seeking this major must take MATH

1330 to satisfy the mathematics requirement in the core curriculum. In addition, students will need to fulfill general requirements for the B.S. degree and the certification requirements of the College of Education.

**This option available for certification only.**

**Biology Minor Required Courses:**

Students seeking the minor in Biology must take PHYS 2411 and PHYS 2412 as well as GEOL 1401 and GEOL 1402.

|           |  |   |
|-----------|--|---|
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3 |
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 3310 | Genetics                                   | 3 |
|           | BIOL Electives (8)                         |   |

See the Biology Department listing for Teacher Certification in Science - Biology Secondary Level.

## CHEMISTRY B.S. (SAMPLE SCHEDULE)

### FRESHMAN YEAR

**Fall**

|           |                            |   |
|-----------|----------------------------|---|
| CHEM 1410 | General Chemistry I        | 4 |
| CSBS 1311 | Engaging the Old Testament | 3 |
| ENGL 1321 | Rhetoric & Composition I   | 3 |
|           | Elective                   | 3 |
| UMHB 1002 | Chapel                     | 0 |
| UMHB 1101 | Freshman Seminar           | 1 |
| UMHB 1005 | Fine Arts Experience       | 0 |

**Spring**

|           |                            |   |
|-----------|----------------------------|---|
| CHEM 1420 | General Chemistry II       | 4 |
| CSBS 1312 | Engaging the New Testament | 3 |
| ENGL 1322 | Rhetoric & Composition II  | 3 |
| EXAC      | Activity Course            | 1 |
| COMM 1320 | Public Speaking            | 3 |
| MATH 1320 | Pre Calculus               | 3 |
| UMHB 1005 | Fine Arts Experience       | 0 |
| UMHB 1002 | Chapel                     | 0 |

### SOPHOMORE YEAR

**Fall**

|           |                      |   |
|-----------|----------------------|---|
| CHEM 3410 | Organic Chemistry I  | 4 |
| EXAC      | Activity Course      | 1 |
|           | Literature           | 3 |
|           | Minor                | 4 |
|           | or                   |   |
|           | Electives            | 4 |
| PHYS 2411 | General Physics I    | 4 |
| UMHB 1002 | Chapel               | 0 |
| UMHB 1005 | Fine Arts Experience | 0 |

**Spring**

|           |  |   |
|-----------|--|---|
| CHEM 3420 | Organic Chemistry II                         | 4 |
| MATH 1330 | Calculus I                                   | 3 |
|           | Minor  | 4 |
|           | or   |   |
|           | Elective                                     | 4 |
| PHYS 2412 | General Physics II                           | 4 |
| UMHB 1002 | Chapel                                       | 0 |
| CHEM 2181 | Introduction to Chemical Research-Capstone I | 1 |
| UMHB 1005 | Fine Arts Experience                         | 0 |

### JUNIOR YEAR

**Fall**

|           |                       |   |
|-----------|-----------------------|---|
| CHEM 3400 | Quantitative Analysis | 4 |
| CHEM 3440 | Physical Chemistry I  | 4 |
| ENGL      | Literature            | 3 |
|           | Minor                 | 4 |
|           | or                    |   |
|           | Elective              | 4 |
|           | Social Science        | 3 |
| UMHB 1005 | Fine Arts Experience  | 0 |

**Spring**

|           |                               |   |
|-----------|-------------------------------|---|
| CHEM 3450 | Physical Chemistry II         | 4 |
| CHEM 4181 | Chemical Research-Capstone II | 1 |
|           | Elective                      | 3 |
|           | Minor                         | 4 |
|           | or                            |   |
|           | Elective                      | 4 |
|           | Social Science                | 3 |

|              |                      |   |
|--------------|----------------------|---|
| UMHB<br>1005 | Fine Arts Experience | 0 |
|--------------|----------------------|---|

**SENIOR YEAR****Fall**

|              |                                 |   |
|--------------|---------------------------------|---|
| CHEM<br>4183 | Seminar - Capstone III          | 1 |
|              | Social Science or Global Issues | 3 |
|              | Humanities/Fine Arts            | 3 |
|              | Minor Upper-level               | 4 |
|              | or                              |   |
|              | Electives                       | 4 |
|              | Fine Arts                       | 3 |
| UMHB<br>1005 | Fine Arts Experience            | 0 |

**Spring**

|              |                                    |   |
|--------------|------------------------------------|---|
| CHEM<br>4090 | Senior Evaluation                  | 0 |
|              | Chemistry Upper Level Elective (4) |   |
|              | Minor Upper Level (4)              |   |
|              | or                                 |   |
|              | Electives                          | 4 |
|              | World Ideas                        | 3 |
|              | Elective(s)                        | 3 |
| UMHB<br>1005 | Fine Arts Experience               | 0 |

**CHEMISTRY BS PRE-HEALTH PROFESSIONS  
SAMPLE SCHEDULE****FRESHMAN YEAR****Fall**

|              |                                    |   |
|--------------|------------------------------------|---|
| BIOL 1150    | Biomolecules, Genes, and Cells Lab | 1 |
| BIOL 1350    | Biomolecules, Genes, and Cells     | 3 |
| CHEM<br>1410 | General Chemistry I                | 4 |
| ENGL 1321    | Rhetoric & Composition I           | 3 |
| MATH<br>1306 | College Algebra                    | 3 |
| UMHB<br>1101 | Freshman Seminar                   | 1 |
| UMHB<br>1002 | Chapel                             | 0 |
| UMHB<br>1005 | Fine Arts Experience               | 0 |

**Spring**

|           |  |   |
|-----------|--|---|
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |

|              |                           |   |
|--------------|---------------------------|---|
| CHEM<br>1420 | General Chemistry II      | 4 |
| ENGL 1322    | Rhetoric & Composition II | 3 |
| EXAC         | Activity Course           | 1 |
| MATH<br>1320 | Pre Calculus              | 3 |
| UMHB<br>1005 | Fine Arts Experience      | 0 |
| UMHB<br>1002 | Chapel                    | 0 |

**SOPHOMORE YEAR****Fall**

|              |                                       |   |
|--------------|---------------------------------------|---|
| CHEM<br>3410 | Organic Chemistry I                   | 4 |
| CSBS 1311    | Engaging the Old Testament Literature | 3 |
| MATH<br>2303 | Statistics                            | 3 |
| PHYS 2411    | General Physics I                     | 4 |
| UMHB<br>1002 | Chapel                                | 0 |
| UMHB<br>1005 | Fine Arts Experience                  | 0 |

**Spring**

|              |  |   |
|--------------|--|---|
| CHEM 2181    | Introduction to Chemical Research-Capstone I | 1 |
| CHEM 3420    | Organic Chemistry II                         | 4 |
| COMM<br>1320 | Public Speaking                              | 3 |
| MATH<br>1330 | Calculus I                                   | 3 |
| PHYS 2412    | General Physics II                           | 4 |
| UMHB<br>1002 | Chapel                                       | 0 |
| UMHB<br>1005 | Fine Arts Experience                         | 0 |

**JUNIOR YEAR****Fall**

|              |                                  |   |
|--------------|----------------------------------|---|
| BIOL 2140    | Human Anatomy & Physiology I Lab | 1 |
| BIOL 2340    | Human Anatomy & Physiology I     | 3 |
| CHEM<br>3400 | Quantitative Analysis            | 4 |
| CHEM<br>3440 | Physical Chemistry I             | 4 |
| CHEM<br>4430 | Biochemistry                     | 4 |
| EXAC         | Activity Course                  | 1 |
| UMHB<br>1005 | Fine Arts Experience             | 0 |

**Spring**

|           |                               |   |
|-----------|-------------------------------|---|
| BIOL 2341 | Human Anatomy & Physiology II | 3 |
|-----------|-------------------------------|---|

|           |                                   |   |
|-----------|-----------------------------------|---|
| BIOL 2141 | Human Anatomy & Physiology II Lab | 1 |
| CHEM 3450 | Physical Chemistry II             | 4 |
| CHEM 4181 | Chemical Research-Capstone II     | 1 |
| PSYC 1301 | General Psychology                | 3 |
| SOCI 1311 | Introduction to Sociology         | 3 |
| UMHB 1005 | Fine Arts Experience              | 0 |

## SENIOR YEAR

### Fall

|           |                                 |   |
|-----------|---------------------------------|---|
| CHEM 4183 | Seminar - Capstone III          | 1 |
| CSBS 1312 | Engaging the New Testament      | 3 |
| ENGL      | Literature                      | 3 |
|           | Social Science or Global Issues | 3 |
|           | Upper Division Elective         | 3 |
| UMHB 1005 | Fine Arts Experience            | 0 |

### Spring

|           |                         |   |
|-----------|-------------------------|---|
| CHEM 4090 | Senior Evaluation       | 0 |
|           | Electives               | 4 |
|           | Fine Arts               | 3 |
| PHIL 3316 | Critical Reasoning      | 3 |
| UMHB 1005 | Fine Arts Experience    | 0 |
|           | Upper Division Elective | 3 |
|           | Upper Division Elective | 3 |

## Computer Science and Engineering

### Dr. William G. Tanner, Jr., Chairperson

The objective of the Department of Computer Science is to develop fully in our students their potential for excellence in Computer Science and Engineering. Through the efforts of a committed faculty who continually compares and aligns the curriculum with national standard, the student receives a broad education in the fundamental theoretical principles and applied technical knowledge of Computer Science and Engineering. The ultimate goal of the Computer Science and Engineering Department is to prepare computer science and engineering professionals in a Christian environment for careers in academia, industry, and government.

### General Information

Students in this department can receive a Bachelor of Science (B.S.) degree with a major in Computer Science or a Bachelor of Science (B.S.) degree with a major in Engineering upon successful completion of all requirements. Under the major of Computer Science there are two specialization fields offered: i.e. Network Centric

Specialization and Data Analysis and Visualization Specialization. A minor in Computer Science is also available.

No grade lower than “C” will be counted as a fulfillment of any **major** course requirement.

### Computer Science

A 54-hour major and an 18-hour minor in Computer Science are offered. Computer Science as a field grew out of Electrical Engineering, Mathematics, and Psychology. It synthesized aspects of these fields and grew exponentially over the past half century, both in terms of the number of Computer Science practitioners and its economic and social impact on the world. Studying the field of Computer Science develops abilities to think logically and promotes excellent problem solving skills. Students who major in Computer Science might consider a minor in Mathematics, Psychology, or Multimedia and Information Technology.

## COMPUTER SCIENCE B.S.

To receive a Bachelor of Science (B.S.) degree in Computer Science, a student must complete a minimum of 120 semester hours.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Required Practical Experience

All students majoring in Computer Science are required to acquire three hundred hours of practical experience **while enrolled at UMHB**. This requirement must be fulfilled before a student is allowed to graduate. Practical experience may be acquired through full-time employment, part-time employment, paid or unpaid internships (including CISC 4395), apprenticeships, international experiences, or co-op experiences. The Department Chair **must** approve practical-experience hours **before** the beginning of the student’s senior year. Students must obtain a letter from their employer/supervisor, internship site, etc. to verify their practical experience. Please see the Department Chair for additional information.

### Academic Core – 47-52 hours

see Bachelor of Science Academic Core with Global Emphasis Option

Students may select either the Study Abroad Option or Foreign Language Option.

### B.S. Computer Science Major Required Courses – 27 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| CISC 2315 | Discrete Structures of Computer & Engineering Sciences | 3 |
| CISC 2330 | Introduction to Object-Oriented Programming            | 3 |
| CISC 3321 | Object Oriented Development                            | 3 |
| CISC 3322 | Web Development  | 3 |
| CISC 3323 | Algorithms & Data Structures                           | 3 |
| CISC 3325 | Telecommunications & Networks                          | 3 |
| CISC 3341 | Operating Systems                                      | 3 |
| CISC 3360 | Computer Organization & Architecture                   | 3 |
| CISC 4327 | Database Theory and Application                        | 3 |

**Required Support Courses (Majors Only)-15 hours:**

|           |   |   |
|-----------|---|---|
| CISC 1305 | Introduction to Computing                     | 3 |
| CISC 4370 | Computer Science & Engineering Ethics Seminar | 3 |
| MATH 1330 | Calculus I                                    | 3 |
| MATH 2320 | Linear Algebra                                | 3 |
| WRIT 3344 | Scientific Writing                            | 3 |

\* WRIT 3344 is the required support course prerequisite for the CISC/ENGR 4370 Writing Emphasis Course.

**B.S.COMPUTER SCIENCE MAJOR GUIDED ELECTIVE COURSES- 9 HOURS:**

Choose nine (9) hours from the following specializations. Student can take courses from one single specialization or multiple specializations.

**Network –Centric Specialization:**

|           |                                   |   |
|-----------|-----------------------------------|---|
| CISC 4324 | Network Security                  | 3 |
| CISC 4325 | Network Security II: Cryptography | 3 |
| CISC 4328 | Computer Security                 | 3 |

**Data Analysis and Visualization Specialization:**

|           |                                 |   |
|-----------|---------------------------------|---|
| CISC 4310 | Artificial Intelligence         | 3 |
| CISC 4335 | Big Data                        | 3 |
| CISC 4340 | Data Analysis and Visualization | 3 |
| CISC 4347 | Graphics Programming            | 3 |

**COMPUTER SCIENCE MINOR****DEGREE REQUIREMENTS****Required Courses- 18 hours:**

6 hours upper level at UMHB

|           |  |   |
|-----------|--|---|
| CISC 1305 | Introduction to Computing                              | 3 |
| CISC 2315 | Discrete Structures of Computer & Engineering Sciences | 3 |
| CISC 3325 | Telecommunications & Networks                          | 3 |
| CISC 2330 | Introduction to Object-Oriented Programming            | 3 |

|           |                             |   |
|-----------|-----------------------------|---|
| CISC 3321 | Object Oriented Development | 3 |
|-----------|-----------------------------|---|

**Choose one course from the following:**

|           |                                      |   |
|-----------|--------------------------------------|---|
| CISC 3323 | Algorithms & Data Structures         | 3 |
| CISC 3341 | Operating Systems                    | 3 |
| CISC 3360 | Computer Organization & Architecture | 3 |
| CISC 4347 | Graphics Programming                 | 3 |

**COMPUTER SCIENCE B.S. (SAMPLE SCHEDULE)****FRESHMAN YEAR****Freshman**

|           |  |   |
|-----------|--|---|
| CISC 1305 | Introduction to Computing                              | 3 |
| CISC 2330 | Introduction to Object-Oriented Programming            | 3 |
| MATH 1320 | Pre Calculus   | 3 |
| ENGL 1321 | Rhetoric & Composition I                               | 3 |
| ENGL 1322 | Rhetoric & Composition II                              | 3 |
| CISC 2315 | Discrete Structures of Computer & Engineering Sciences | 3 |
| CSBS 1311 | Engaging the Old Testament Social Science              | 3 |
| MATH 1330 | Calculus I   | 3 |
| COMM 1320 | Public Speaking  | 3 |
| UMHB 1101 | Freshman Seminar                                       | 1 |
| UMHB 1002 | Chapel X 2   |   |
| UMHB 1005 | Fine Arts Experience X 2                               |   |

**SOPHOMORE YEAR****Sophomore**

|           |   |   |
|-----------|---|---|
| CISC 3325 | Scientific Inquiry                        | 3 |
|           | Telecommunications & Networks             | 3 |
|           | Lab Science                               | 4 |
| CSBS 1312 | Engaging the New Testament                | 3 |
| MATH 2320 | Linear Algebra                            | 3 |
| ENGL      | Literature                                | 6 |
|           | Lab Science Course (BIOL, CHEM, etc.)     | 4 |
|           | Physical Education (two activity courses) | 2 |
| UMHB 1002 | Chapel X 2                                |   |
| UMHB 1005 | Fine Arts Experience X 2                  |   |



A Computer Science Major should discuss internships with an advisor before the third year begins.

## JUNIOR YEAR

### Junior

|           |   |   |
|-----------|---|---|
| CISC 3321 | Object Oriented Development                 | 3 |
| CISC 3322 | Web Development                             | 3 |
| CISC 3360 | Computer Organization & Architecture        | 3 |
|           | Social Science                              |   |
| CISC 3323 | Algorithms & Data Structures                | 3 |
| WRIT 3344 | Scientific Writing                          | 3 |
|           | Lab Science                                 | 4 |
|           | Fine Arts                                   | 3 |
|           | World Ideas or Philosophy or Non-US History | 3 |
|           | CISC Major Elective Courses (3)             | 3 |
| UMHB 1005 | Fine Arts Experience X 2                    |   |

## SENIOR YEAR

### Senior

|           |   |    |
|-----------|---|----|
| CISC 4327 | Database Theory and Application               | 3  |
| CISC 4370 | Computer Science & Engineering Ethics Seminar | 3  |
| CISC      | Specialization Elective                       | 3  |
|           | Social Science or Global Issues Electives     | 3  |
| UMHB 1005 | Fine Arts Experience X 2                      | 13 |

### Engineering Program

Engineering at UMHB offers a firm foundation in theoretical engineering knowledge coupled with practical design applications, providing a context for our students to focus their Christian commitment on engineering solutions which can improve our world. The Engineering major, which combines mathematical, physical, and computational science, is recommended for engineering students who wish to complete an inter-disciplinary engineering degree. The engineering program is designed to enable students to demonstrate skill in the appropriate use of engineering specific technology, to develop confidence in strategies of problem-solving, and to apply problem-solving strategies to “real-world” activities. The engineering student is expected to communicate technical information effectively in both written and verbal form. The engineering student is challenged to integrate his/her knowledge of mathematics and science with a Christian perspective to discover significant relationships between a Christian life and an engineering profession. Students who pursue the Engineering major at UMHB will combine a lifetime career preparation with a Christian commitment to improve our world and thereby will have a unique experience for life.

The Engineering faculty has developed a curriculum designed to conform to current national standards and prepare students for entrance to the profession. UMHB is pursuing ABET accreditation, but this should not be confused with an implied promise that ABET accreditation will be secured prior to a student’s graduation. The Engineering program has been extended to include a wide range of topics crucial to the future of engineering design, the research projects are equally varied in the goals of research. Collaboration between a diverse group of UMHB faculty in and beyond the College of Sciences is an important aspect of the engineering research program enabled by an increase of students seeking research opportunities. Since all engineering students in the UMHB program attain a firm theoretical foundation in a wide range of engineering fields (i.e., mechanical, electrical, and energy), specialized undergraduate research projects have been created which investigate the intersection between science, mathematics, and engineering design. In that way, individual faculty members with special interests in specific fields of engineering have been able to pursue unique engineering projects, cooperating with students in the creation of designs. Students who participate in these diverse design solutions have become expert in specialized areas of engineering through their immersion in the research topic in addition to the broad understanding of engineering principles gained through their coursework.

The application for admissions into the upper-level engineering program should be completed by the end of the sophomore year when engineering students will be notified. Computer Science, Engineering, Mathematics and Laboratory Sciences GPA will be utilized in that determination. Those courses are CISC 2330, ENGR 1310, ENGR 1320, ENGR 2311, ENGR 2320, ENGR 2321, ENGR 2345, ENGR 2430, MATH 1330, MATH 2330, MATH 2320, CHEM 1410, PHYS 2421 and PHYS 2422. An engineering student’s GPA in the specified courses must be a 2.75 or higher to be considered for admittance into the upper-level courses. Each student will be evaluated and will be granted approval to take upper-level courses by the Engineering Faculty members. Please note that UMHB does not guarantee admittance into upper-level engineering program at UMHB. More information concerning the program may be obtained from Dr. William G. Tanner, Jr., Chairperson, Computer Science, Engineering and Physics.

### Required Practical Experience

All students majoring in Engineering are required to acquire three hundred hours of practical experience **while enrolled at UMHB**. This requirement must be fulfilled before a student is allowed to graduate. Practical experience may be acquired through full-time employment, part-time employment, paid or unpaid internships (including ENGR 4395), apprenticeships, or co-op

experiences. The Department Chair **must** approve practical-experience hours **before** the beginning of the student's senior year. Students must obtain a letter from their employer/supervisor, internship site, etc. to verify their practical experience. Please see the Department Chair for additional information.

## ENGINEERING MAJOR 54 HOURS

123 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
31 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core - 44-52 hours

see Bachelor of Science Academic Core

Students may also select the Bachelor of Science Global Emphasis Foreign Language by taking an additional eight hours in Foreign Language or a Bachelor of Science Global Emphasis Study Abroad by taking an additional three hours in a Study Abroad component.

#### Engineering Major Core – 28 hours:

|           |   |   |
|-----------|---|---|
| ENGR 2311 | Numerical Algorithms                          | 3 |
| ENGR 2320 | Engineering Mechanics: Statics                | 3 |
| ENGR 2321 | Engineering Mechanics: Dynamics               | 3 |
| ENGR 2130 | Electric Circuits Laboratory                  | 1 |
| ENGR 2330 | Electrical Circuit Theory                     | 3 |
| ENGR 2345 | Engineering Thermodynamics                    | 3 |
| ENGR 3160 | Engineering Design: Bio-Inspired Design       | 1 |
| ENGR 3260 | Engineering Design: Engineering for Humanity  | 2 |
| ENGR 4370 | Computer Science & Engineering Ethics Seminar | 3 |
| ENGR 4380 | Capstone Design I                             | 3 |
| ENGR 4381 | Capstone Design II                            | 3 |

#### Electrical Engineering Track- 20 hours

Students must select either Electrical or Mechanical Track. Courses cannot be counted twice.

|           |                                 |   |
|-----------|---------------------------------|---|
| ENGR 3130 | Electronics Laboratory          | 1 |
| ENGR 3137 | Digital Logic Design Laboratory | 1 |
| ENGR 3330 | Electronics                     | 3 |
| ENGR 3337 | Digital Logic Design            | 3 |
| ENGR 4312 | Digital Signal Processing       | 3 |
| ENGR 4315 | Power Systems                   | 3 |
| ENGR 4330 | Engineering Electromagnetics    | 3 |
| ENGR 4360 | Signals and Systems             | 3 |

#### Mechanical Engineering Track- 20 Hours

|           |                            |   |
|-----------|----------------------------|---|
| ENGR 3120 | Mechanics of Materials Lab | 1 |
| ENGR 3315 | Mechanical Design          | 3 |
| ENGR 3320 | Mechanics of Materials     | 3 |
| ENGR 3346 | Advanced Thermodynamics    | 3 |
| ENGR 4150 | Fluid Mechanics Laboratory | 1 |

|           |                                  |   |
|-----------|----------------------------------|---|
| ENGR 4340 | Principles of Heat Transfer      | 3 |
| ENGR 4350 | Fluid Mechanics                  | 3 |
| ENGR 3381 | Introduction to Material Science | 3 |

#### Engineering Upper-level Electives -6 hours

|           |                             |   |
|-----------|-----------------------------|---|
| CISC 3321 | Object Oriented Development | 3 |
| ENGR 3365 | Introduction to Optics      | 3 |
| ENGR 4310 | Vibrations                  | 3 |
| ENGR 4320 | System Dynamics and Control | 3 |
| ENGR 4325 | Radio Frequency Circuit     | 3 |
| ENGR 4365 | Mechatronics                | 3 |
| 4391      | ENGR- 4391                  | 3 |

#### Required Support Courses- 9 hours

|           |   |   |
|-----------|---|---|
| CISC 2330 | Introduction to Object-Oriented Programming | 3 |
| ENGR 1310 | Introduction to Engineering                 | 3 |
| ENGR 1320 | Introduction to Engineering Fundamentals    | 3 |
| ENGR 2010 | AutoCAD Proficiency                         | 0 |
| ENGR 4090 | Practical Experience                        | 0 |

#### Mathematics and Laboratory Sciences – 27 hours

|           |                                 |   |
|-----------|---------------------------------|---|
| MATH 1330 | Calculus I                      | 3 |
| MATH 2320 | Linear Algebra                  | 3 |
| MATH 2330 | Calculus II                     | 3 |
| MATH 3325 | Ordinary Differential Equations | 3 |
| MATH 3330 | Calculus III                    | 3 |
| CHEM 1410 | General Chemistry I             | 4 |
| PHYS 2421 | Physics I with Calculus         | 4 |
| PHYS 2422 | Physics II with Calculus        | 4 |

## ENGINEERING B.S. MAJOR PROGRAM (SAMPLE SCHEDULE)

### FRESHMAN YEAR

#### Fall

|           |                             |   |
|-----------|-----------------------------|---|
| ENGR 1310 | Introduction to Engineering | 3 |
| MATH 1330 | Calculus I                  | 3 |
| ENGL 1321 | Rhetoric & Composition I    | 3 |
| PHYS 2421 | Physics I with Calculus     | 4 |
| UMHB 1101 | Freshman Seminar            | 1 |
| UMHB 1002 | Chapel                      | 0 |

|               |  |   |
|---------------|--|---|
| UMHB<br>1005  | Fine Arts Experience                     | 0 |
| <b>Spring</b> |  |   |
| ENGR 1320     | Introduction to Engineering Fundamentals | 3 |
| MATH<br>2330  | Calculus II                              | 3 |
| CHEM<br>1410  | General Chemistry I                      | 4 |
| PHYS 2422     | Physics II with Calculus                 | 4 |
| ENGL 1322     | Rhetoric & Composition II                | 3 |
| UMHB<br>1002  | Chapel                                   | 0 |
| UMHB<br>1005  | Fine Arts Experience                     | 0 |

## SOPHOMORE YEAR

|               |   |   |
|---------------|---|---|
| <b>Fall</b>   |   |   |
| CISC 2330     | Introduction to Object-Oriented Programming | 3 |
| ENGR 2320     | Engineering Mechanics: Statics              | 3 |
| ENGL          | Literature                                  |   |
| EXAC          | Activity Course                             | 1 |
| MATH<br>2320  | Linear Algebra                              | 3 |
| MATH<br>3330  | Calculus III                                | 3 |
| UMHB<br>1002  | Chapel                                      | 0 |
| UMHB<br>1005  | Fine Arts Experience                        | 0 |
| <b>Spring</b> |   |   |
| ENGR 2311     | Numerical Algorithms                        | 3 |
| ENGR 2321     | Engineering Mechanics: Dynamics             | 3 |
| ENGR 2345     | Engineering Thermodynamics                  | 3 |
| ENGR 2330     | Electrical Circuit Theory                   | 3 |
| MATH<br>3325  | Ordinary Differential Equations             | 3 |
| EXAC          | Activity Course                             | 1 |
| UMHB<br>1002  | Chapel                                      | 0 |
| UMHB<br>1005  | Fine Arts Experience                        | 0 |

## JUNIOR YEAR

|             |   |   |
|-------------|---|---|
| <b>Fall</b> |   |   |
| CSBS 1311   | Engaging the Old Testament              | 3 |
| ENGR 3160   | Engineering Design: Bio-Inspired Design | 1 |
| EXAC        | Activity Course                         | 1 |
|             | Social Science                          | 3 |
|             | Choose Electrical or Mechanical Track   | 6 |

|               |  |   |
|---------------|--|---|
| UMHB<br>1005  | Fine Arts Experience                         | 0 |
| <b>Spring</b> |  |   |
|               | World Ideas/Philosophy/Non-US History        | 3 |
|               | Choose Electrical or Mechanical Track        | 7 |
| ENGR 3260     | Engineering Design: Engineering for Humanity | 2 |
| CSBS 1312     | Engaging the New Testament                   | 3 |
| COMM<br>1320  | Public Speaking                              | 3 |
| UMHB<br>1005  | Fine Arts Experience                         | 0 |

## SENIOR YEAR

|               |                                       |   |
|---------------|---------------------------------------|---|
| <b>Fall</b>   |                                       |   |
|               | Choose Electrical or Mechanical Track | 7 |
| ENGR 4380     | Capstone Design I                     | 3 |
|               | Engineering Elective- 6 hours         | 6 |
|               | Social Science                        | 3 |
| UMHB<br>1005  | Fine Arts Experience                  | 0 |
| <b>Spring</b> |                                       |   |
| ENGR 4381     | Capstone Design II                    | 3 |
| ENGR 4370     | Computer Science & Engineering        | 3 |
|               | Ethics Seminar                        |   |
|               | Engineering Elective- 6 hours         | 6 |
|               | Global Issues/Social Science          | 3 |
|               | Fine Arts                             |   |
| UMHB<br>1005  | Fine Arts Experience                  | 0 |

**Total Hours: 123**

## Mathematics

The aim of the Department of Mathematics is to develop in our students critical thinking and problem solving skills through mathematical reasoning. We offer two degree programs to prepare our majors for success in graduate school, for mathematical careers in business and industry, and to be effective secondary teachers. Features of the student-focused department include small upper-level course sizes, access to professors, an active Delta Psi Theta math club, undergraduate research and conference attendance opportunities, Kappa Mu Epsilon honor society, and a student-led tutoring center.

## Mathematics with Teaching Certification 7-12

Students pursuing teacher certification in mathematics must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade

point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

#### Sophomore Spring Semester

EDUC 3315 Students and Learning 3

#### Junior Year (either semester)

EDUC 4324 Classroom Management 3

EDUC 4328 Curriculum Design I 3

READ 4326 Disciplinary Literacy 3

#### Senior Fall Semester

EDUC 4385 Educational Internship 3

#### Senior Spring Semester

EDUC 4250 Student Teaching Seminar 2

EDUC 4501 Student Teaching I 5

EDUC 4502 Student Teaching II 5

### Placement in MATH 1300

All degrees at UMHB require either MATH 1304 (Quantitative Reasoning) or MATH 1306 (College Algebra) or higher. MATH 1304 has no prerequisites or required SAT/ACT scores.

In keeping with the Texas Success Initiative, the testing prerequisites for enrolling in MATH 1306 are\*:

SAT: a math SAT score of 530 or higher

or

ACT: a math ACT score of 22 or higher

Students with lower scores will be placed into Mathematics Review (MATH 1300). In order to appeal that placement, the student must take one of the placement tests in mathematics which is accepted by UMHB. That test score will be used to determine whether the student can place into MATH 1306.

*\*Although UMHB currently uses Accuplacer to determine placement in mathematics, other placement tests are acceptable. The table below gives the scores required to place out of MATH 1300 and into MATH 1306.*

| Placement Test       | Score to Place out of MATH 1300 and into MATH 1306 |
|----------------------|--|
| Accuplacer (Algebra) | 63 or above  |
| THEA (Math)          | 230 or above                                       |

Compass (Algebra) 39 or above

ASSET (Algebra) 38 or above

Note: If a student scores a 28 or higher on the ACT MATH section or a 650 or higher on the SAT Math section, he or she will receive credit for MATH 1306.

\*These scores apply to any SAT administered March 2016 or later

## MATHEMATICS B.A.

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 60 hours

see Bachelor of Arts Academic Core

Mathematics majors seeking a B.A. degree are also required to take PHYS 2421 to satisfy the 4 semester hour lab science block in the core curriculum

Students seeking a major in mathematics must complete MATH 1330 to satisfy the Quantitative Reasoning requirement in the core curriculum.

#### B.A. Math Major Required Courses –38 hours

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

|           |                                   |   |
|-----------|-----------------------------------|---|
| MATH 2303 | Statistics                        | 3 |
| MATH 2320 | Linear Algebra                    | 3 |
| MATH 2330 | Calculus II                       | 3 |
| MATH 3093 | Junior Seminar                    | 0 |
| MATH 3314 | Geometry                          | 3 |
| MATH 3315 | History of Mathematics            | 3 |
| MATH 3320 | Foundations of Higher Mathematics | 3 |
| MATH 3325 | Ordinary Differential Equations   | 3 |
| MATH 3330 | Calculus III                      | 3 |
| MATH 3341 | Numerical Analysis                | 3 |

|                                 |   |   |
|---------------------------------|---|---|
| MATH 4293                       | Senior Seminar                          | 2 |
| MATH 4310                       | Analysis                                | 3 |
| MATH 4320                       | Abstract Algebra                        | 3 |
| MATH 4385                       | Mathematical Probability and Statistics | 3 |
| <b>Required Support Courses</b> |   |   |
| PHYS 2421                       | Physics I with Calculus                 | 4 |
| WRIT 3344                       | Scientific Writing                      | 3 |
| or                              |   |   |
| EDUC 2311                       | Classroom Technology                    | 3 |

## MATHEMATICS B.S.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 49-54 hours

see Bachelor of Science Academic Core with Global Emphasis Option

Students may select either the Study Abroad Option or Foreign Language Option.

Mathematics majors seeking a B.S. degree are also required to take PHYS 2421 to satisfy 4 of the 8 semester hours of lab sciences required in the core curriculum.

Students seeking a major in mathematics must complete MATH 1330 to satisfy the Quantitative Reasoning requirement in the core curriculum.

#### B.S. Math Major Required Courses –38 hours

12 hours (*6 upper level*) at UMHB

|                              |                                   |   |
|------------------------------|-----------------------------------|---|
| 12 hours minimum upper level |                                   |   |
| MATH 2303                    | Statistics                        | 3 |
| MATH 2320                    | Linear Algebra                    | 3 |
| MATH 2330                    | Calculus II                       | 3 |
| MATH 3093                    | Junior Seminar                    | 0 |
| MATH 3314                    | Geometry                          | 3 |
| MATH 3315                    | History of Mathematics            | 3 |
| MATH 3320                    | Foundations of Higher Mathematics | 3 |
| MATH 3325                    | Ordinary Differential Equations   | 3 |

|           |   |   |
|-----------|---|---|
| MATH 3330 | Calculus III                            | 3 |
| MATH 3341 | Numerical Analysis                      | 3 |
| MATH 4293 | Senior Seminar                          | 2 |
| MATH 4310 | Analysis                                | 3 |
| MATH 4320 | Abstract Algebra                        | 3 |
| MATH 4385 | Mathematical Probability and Statistics | 3 |

#### Required Support Courses

|           |                         |   |
|-----------|-------------------------|---|
| PHYS 2421 | Physics I with Calculus | 4 |
| WRIT 3344 | Scientific Writing      | 3 |
| or        |                         |   |
| EDUC 2311 | Classroom Technology    | 3 |

\* PHYS 2421 satisfies 4 of the 8 hours of required lab science.

**Electives (as necessary) to bring total to - 120 hours**

## MATHEMATICS MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 21 hours

6 hours upper level at UMHB

|           |                                   |   |
|-----------|-----------------------------------|---|
| MATH 1330 | Calculus I                        | 3 |
| MATH 2320 | Linear Algebra                    | 3 |
| MATH 2330 | Calculus II                       | 3 |
| MATH 3320 | Foundations of Higher Mathematics | 3 |
| MATH 3330 | Calculus III                      | 3 |

#### Any two of the following:

|           |                                 |   |
|-----------|---------------------------------|---|
| MATH 2303 | Statistics                      | 3 |
| MATH 3314 | Geometry                        | 3 |
| MATH 3315 | History of Mathematics          | 3 |
| MATH 3325 | Ordinary Differential Equations | 3 |
| MATH 3326 | Partial Differential Equations  | 3 |
| MATH 3341 | Numerical Analysis              | 3 |
| MATH 4310 | Analysis                        | 3 |

|              |  |   |
|--------------|--|---|
| MATH<br>4320 | Abstract Algebra                           | 3 |
| MATH<br>4385 | Mathematical Probability and<br>Statistics | 3 |

## School of Social Sciences

**Dr. Rebecca Peterson, Associate Dean**

The School of Social Sciences includes the departments of History and Political Science, Psychology, and Social Work, Sociology and Criminal Justice, as well as the Pre-Law program. Majors and minors in the social, behavioral, and applied sciences focus on humans, individually and in groups, analyzing their actions and interactions in a wide range of contexts. The curricula emphasizes diversity, inquiry, and critical thinking, providing a strong foundation from which students can build both personally and professionally. Many of our programs provide the opportunity for practical experience in the discipline through field experiences, internships and other hands-on learning activities. Students have the opportunity to enhance their educational experience through participation in student organizations, disciplinary honor societies, service learning activities, and study abroad opportunities.

### History and Political Science

**Dr. David K. Chrisman, Chairperson**

The mission of the Department of History and Political Science is to provide learning opportunities to students to 1) understand and appreciate the human experience through the study of history and political science and 2) develop and utilize communication and critical thinking skills. Both disciplines within the department enhance understanding of ourselves while stimulating a full understanding of cultural differences in a global society. These opportunities are provided through the department's degree and certification programs and through a robust contribution to the general education program of UMHB. In its support of the University and College of Humanities and Sciences mission statements, the department's academic programs emphasize "academic excellence, personal attention, and broad-based scholarship" while preparing students for "leadership, service and faith-informed discernment."

#### *History*

Course offerings in history are designed to meet the needs of students seeking both a broad liberal arts education and a useful vocation. Graduates in history may find

employment in such diverse fields as public school teaching, government service, archival and bibliographical work, public relations, or careers requiring research and writing skills.

The Dorothy Hughes Weatherby Scholarship and the Reuter Scholarship are available for history and political science majors. Interested students should consult with the chairperson of the department.

## HISTORY B.A.

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120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

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#### Academic Core - 60 hours

see Bachelor of Arts Degree Academic Core (p. 86)

POLS 2310 or 2311 must fulfill US Government in the Core

#### B.A. History Major Required Courses – 30 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| HIST 2311 | American History to 1877                  | 3 |
| HIST 2312 | American History since 1877               | 3 |
| HIST 2340 | Historical Inquiry, Research, and Method  | 3 |
| HIST      | Upper Level US History                    | 3 |
| HIST      | Upper Level Non-US History                | 3 |
| HIST      | Electives                                 | 9 |
| HIST 4090 | History Capstone                          | 0 |

Students must earn a C or better for any course to count toward the major.

It is recommended that students planning to do graduate work in History plan a program leading to a Bachelor of Arts degree.

## HISTORY B.S.

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120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

## DEGREE REQUIREMENTS

### Academic Core – 49-54 hours

see Bachelor of Science Academic Core Global Emphasis (p. 93)

### B.S. History Major Required Courses – 30 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| HIST 2311 | American History to 1877                  | 3 |
| HIST 2312 | American History since 1877               | 3 |
| HIST 2340 | Historical Inquiry, Research, and Method  | 3 |
| HIST      | Upper Level US History                    | 3 |
| HIST      | Upper Level Non-US History                | 3 |
| HIST      | Electives                                 | 9 |
| HIST 4090 | History Capstone                          | 0 |

Students must earn a C or better for any course to count toward the major.

It is recommended that students planning to do graduate work in History plan a program leading to a Bachelor of Arts degree.

## HISTORY MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 24 hours

6 hours upper level at UMHB

|           |   |   |
|-----------|---|---|
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| HIST 2311 | American History to 1877                  | 3 |
| HIST 2312 | American History since 1877               | 3 |
| HIST 2340 | Historical Inquiry, Research, and Method  | 3 |
| HIST      | Electives                                 | 9 |

Students must earn a C or better for any course to count toward the minor.

## HISTORY WITH TEACHING CERTIFICATION 7-12

Students pursuing teacher certification in history or social studies must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours,

and grade point requirements.

The following is the recommended sequence for educator preparation courses. Students must take 12 hours in history before enrolling in EDUC 3315. Failure to take EDUC 3315 by spring of the sophomore year may result in a delay of student teaching.

#### Sophomore Spring Semester

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 3315 | Students and Learning | 3 |
|-----------|-----------------------|---|

#### Junior Year (either semester)

|           |                       |   |
|-----------|-----------------------|---|
| EDUC 4324 | Classroom Management  | 3 |
| EDUC 4328 | Curriculum Design I   | 3 |
| READ 4326 | Disciplinary Literacy | 3 |

#### Senior Fall Semester

|           |                        |   |
|-----------|------------------------|---|
| EDUC 4385 | Educational Internship | 3 |
|-----------|------------------------|---|

#### Senior Spring Semester

|           |                            |   |
|-----------|----------------------------|---|
| EDUC 4250 | Student Teaching Seminar 2 |   |
| EDUC 4501 | Student Teaching I         | 5 |
| EDUC 4502 | Student Teaching II        | 5 |

Students are also required to take EDUC 2310 to fulfill additional Technology component of the Core.

## DEGREE REQUIREMENTS

### B.A. or B.S. History Major Required Courses – 30 hours

12 hours (6 upper level) at UMHB

12 hours minimum upper level

|           |   |   |
|-----------|---|---|
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| HIST 2311 | American History to 1877                  | 3 |
| HIST 2312 | American History since 1877               | 3 |
| HIST 2340 | Historical Inquiry, Research, and Method  | 3 |
| HIST 3313 | History of Texas                          | 3 |
| HIST      | Upper Level US History                    | 3 |
| HIST      | Upper Level Non-US History                | 3 |
| HIST      | HIST Upper Level Electives 6 hours        | 6 |
| HIST 4090 | History Capstone                          | 0 |

Students must earn a “C” or better for courses in this major.

In addition, students will need to fulfill general requirements for the B.A. or B.S. degree and the certification requirements of the College of Education. This option is available for certification only.

### Admission to Teacher Education Program:

Grade point average (GPA) requirements are as follows:

- a. A GPA of at least 3.00 is required in each of the following areas on a student's degree plan, each area computed separately and individually, AND no grade lower than a "C" will be accepted in any of the following areas: (1) professional development in elementary, middle, secondary, interdisciplinary studies and all-level; (2) certification area(s) in secondary, and all-level art, music, physical education, and Spanish; (3) academic support areas in elementary and middle levels; (4) academic specialization in middle level; or (5) in elementary, special education concentration, and English Second Language in interdisciplinary studies.

- b. The cumulative GPA must be a minimum of 2.75.

### *Political Science*

Political Science is recommended as a major or minor for students planning to enter a variety of fields. The subject provides the background necessary for both admission to and satisfactory performance in the study of law. Course offerings in Political Science are also designed to meet the needs of students planning to enter government or military service, secondary school teaching, graduate school, the media, and political campaigns and consulting. In addition, the study of Political Science offers any student a chance to broaden his or her understanding of the American and International political systems.

## **POLITICAL SCIENCE B.A.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### **DEGREE REQUIREMENTS**

#### **Academic Core - 60 hours**

see Bachelor of Arts Degree Academic Core

World Cultures: HIST 1311 or HIST 1312

US History: HIST 2311 or HIST 2312

#### **B.A. Political Science Major Required Courses – 33 hours**

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |   |    |
|-----------|---|----|
| POLS 2310 | State and Federal Government I          | 3  |
| POLS 2311 | State and Federal Government II         | 3  |
| POLS 2315 | Comparative Political Systems           | 3  |
| POLS 2320 | Topics and Methods of Political Science | 3  |
| POLS 4318 | International Political Economics       | 3  |
| POLS 4330 | Religion & Politics U.S.                | 3  |
| POLS      | Four Electives                          | 12 |
| POLS 4090 | Political Science Capstone              | 0  |

WRIT 3344 Scientific Writing 3

Students must earn a C or better for any course to count toward the major.

## **POLITICAL SCIENCE B.S.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### **DEGREE REQUIREMENTS**

#### **Academic Core – 49-54 hours**

see Bachelor of Science Academic Core with Global Emphasis Option (p. 93)

Students may select either the Study Abroad Option or Foreign Language Option.  
(p. 93)

#### **B.S. Political Science Major Required Courses – 33 hours**

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

|           |   |    |
|-----------|---|----|
| POLS 2310 | State and Federal Government I          | 3  |
| POLS 2311 | State and Federal Government II         | 3  |
| POLS 2315 | Comparative Political Systems           | 3  |
| POLS 2320 | Topics and Methods of Political Science | 3  |
| POLS 4318 | International Political Economics       | 3  |
| POLS 4330 | Religion & Politics U.S.                | 3  |
| POLS      | Four Electives                          | 12 |
| POLS 4090 | Political Science Capstone              | 0  |
| WRIT 3344 | Scientific Writing                      | 3  |

Students must earn a C or better for any course to count toward the major.

## **POLITICAL SCIENCE MINOR**

### **DEGREE REQUIREMENTS**

#### **Required Courses – 24 hours**

6 hours upper level at UMHB

|           |   |    |
|-----------|---|----|
| POLS 2310 | State and Federal Government I          | 3  |
| POLS 2311 | State and Federal Government II         | 3  |
| POLS 2315 | Comparative Political Systems           | 3  |
| POLS 2320 | Topics and Methods of Political Science | 3  |
| POLS      | POLS 4 Electives                        | 12 |

Students must earn a C or better for any course to count toward the minor.

## **PRE-LAW**



Any student desiring to attend law school will be required to complete a baccalaureate degree in the field of his or her choice. While law schools accept applicants with degrees in all types of different fields, students earning the Bachelor of Arts or Bachelor of Science are particularly prepared for the study of law by majoring in the Liberal Arts. Degree programs such as Political Science, History, and Communication sharpen critical skills important to success in law school. These skills include reading comprehension, critical thinking, and research. Students interested in attending law school must meet two basic requirements. First and foremost, students must maintain a strong GPA throughout their undergraduate degree. Law schools first look at commendable GPAs of 3.25 or higher of applicants before seriously considering them for admission. Second, law schools admit those students with the highest scores on the Law School Admissions Test (LSAT). Prospective students should take the LSAT in their junior year to ensure that they have time to retake the test before applying to law school by their senior year. Students should consider taking as many LSAT practice tests as possible.

While some law schools may look for specific courses on student transcripts (political science, philosophy, sociology, and history), many admission standards center on applicants that are well-rounded individuals.

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**Recommended courses at UMHB for students interested in law school include:**

|           |  |   |
|-----------|--|---|
| POLS 2310 | State and Federal Government I                 | 3 |
| POLS 2311 | State and Federal Government II                | 3 |
| POLS 4311 | Constitutional Government and Law in the US I  | 3 |
| POLS 4312 | Constitutional Government and Law in the US II | 3 |
| POLS 4330 | Religion & Politics U.S.                       | 3 |
| COMM 3310 | Persuasion                                     | 3 |
| COMM 3325 | Advanced Public Speaking                       | 3 |
| COMM 3351 | Argumentation & Debate                         | 3 |
| COMM 4340 | Law and Regulation of the Mass Media           | 3 |
| PHIL 3316 | Critical Reasoning                             | 3 |
| BLAW 2311 | Business Law                                   | 3 |

More information for applying to law school is available from the Pre-Law Advisor, Dr. David Chrisman, at [dchrisman@umhb.edu](mailto:dchrisman@umhb.edu), (254) 295-4165.

## *Social Studies*

### **SOCIAL STUDIES B.A. WITH TEACHER CERTIFICATION 7-12**

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Students pursuing teacher certification in history or social studies must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Students must take 12 hours in history before enrolling in EDUC 3315. Failure to take EDUC 3315 by spring of the sophomore year may result in a delay of student teaching.

Sophomore Spring Semester  
EDUC 3315 Students and Learning 3

Junior Year (either semester)  
EDUC 4324 Classroom Management 3  
EDUC 4328 Curriculum Design I 3  
READ 4326 Disciplinary Literacy 3

Senior Fall Semester  
EDUC 4385 Educational Internship 3

Senior Spring Semester  
EDUC 4250 Student Teaching Seminar 2  
EDUC 4501 Student Teaching I 5  
EDUC 4502 Student Teaching II 5

### **DEGREE REQUIREMENTS**

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#### **Academic Core- 66 hours**

Required Support Courses (\* these may be used to fulfill requirements in the Core Curriculum)

\* PSYC 1301 will complete Social Sciences

\* POLS 2310 and POLS 2311 are both required US Government Courses for a total of 6 hours

\*EDUC 2311 is required Technology course

#### **BA Social Studies Major Required Courses 30 hours**

|           |   |   |
|-----------|---|---|
| POLS 2315 | Comparative Political Systems             | 3 |
| SOCI 1311 | Introduction to Sociology                 | 3 |
| SOCI 3317 | Race and Ethnicity                        | 3 |
| BECO 2310 | Principles of Economics                   | 3 |
| HIST 1311 | History of World Civilizations to 1500    | 3 |
| HIST 1312 | History of World Civilizations since 1500 | 3 |
| HIST 2311 | American History to 1877                  | 3 |
| HIST 2312 | American History since 1877               | 3 |

|           |  |   |
|-----------|--|---|
| HIST 3313 | History of Texas   | 3 |
|           | Upper Level Hours from one of the following:<br>BECO/SOCI/PSYC/POLS/HIST | 3 |

### **SOCIAL STUDIES B.S. WITH TEACHER CERTIFICATION 7-12**

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Students pursuing teacher certification in history or social studies must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Students must take 12 hours in history before enrolling in EDUC 3315. Failure to take EDUC 3315 by spring of the sophomore year may result in a delay of student teaching.

Sophomore Spring Semester  
EDUC 3315 Students and Learning 3

Junior Year (either semester)  
EDUC 4324 Classroom Management 3  
EDUC 4328 Curriculum Design I 3  
READ 4326 Disciplinary Literacy 3

Senior Fall Semester  
EDUC 4385 Educational Internship 3

Senior Spring Semester  
EDUC 4250 Student Teaching Seminar 2  
EDUC 4501 Student Teaching I 5  
EDUC 4502 Student Teaching II 5

### **DEGREE REQUIREMENTS**

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#### **Academic Core- 55-60 hours**

Bachelor of Science Core Global Emphasis Option (p. 93)

Required Support Courses (\* these may be used to fulfill requirements in the Core Curriculum)

\* PSYC 1301 will complete Social Sciences

\* POLS 2310 and POLS 2311 are both required US Government Courses for a total of 6 hours

\*EDUC 2311 is required Technology course

#### **B.S. Social Studies Major Required Courses 30 hours**

Required Support Courses (\* these may be used to fulfill requirements in the Core Curriculum)

\* PSYC 1301

\* POLS 2310

\* POLS2311

EDUC 2311

EDUC 3330

|           |  |   |
|-----------|--|---|
| POLS 2315 | Comparative Political Systems  | 3 |
| SOCI 1311 | Introduction to Sociology  | 3 |
| SOCI 3317 | Race and Ethnicity   | 3 |
| BECO 2310 | Principles of Economics  | 3 |
| HIST 1311 | History of World Civilizations to 1500                                   | 3 |
| HIST 1312 | History of World Civilizations since 1500                                | 3 |
| HIST 2311 | American History to 1877   | 3 |
| HIST 2312 | American History since 1877  | 3 |
| HIST 3313 | History of Texas   | 3 |
|           | Upper Level Hours from one of the following:<br>BECO/SOCI/PSYC/POLS/HIST | 3 |

### **Psychology**

#### **Dr. Trent Terrell, Chairperson**

Psychology is the scientific study of behavior and the mind. Course offerings in Psychology are designed to provide students with information which will promote an attitude of increased objectivity concerning the behavior, feelings, and attitudes of others and may also provide information about their own behavior. This objectivity and understanding is desirable in everyone but is especially desirable in those students planning a career involving work with other human beings. In addition to preparing students for entry-level positions in human services, the department also seeks to prepare students for graduate work in psychology or other fields.

Courses are offered for students who wish to take only one or two classes in Psychology as well as students who wish to major or minor in Psychology.

### **PSYCHOLOGY B.A.**

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**Students pursuing a Bachelor of Arts (B.A.) degree must complete the Clinical Track of the Psychology major.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### **DEGREE REQUIREMENTS**

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#### **Academic Core – 60 hours**

see Bachelor of Arts Academic Core (p. 86)

**B.A. Psychology Major Required Courses – 36 hours**

12 hours (6 upper level) at UMHB

12 hours minimum upper level

The Psychology major includes the core courses listed below as well as track courses.

|           |   |   |
|-----------|---|---|
| PSYC 1301 | General Psychology                      | 3 |
| PSYC 2101 | Professions in Psychology               | 1 |
| PSYC 2201 | Psychological Writing                   | 2 |
| PSYC 2314 | Research Methods for the Social Science | 3 |
| PSYC 2316 | Statistics for the Social Sciences      | 3 |
| PSYC 2331 | Intro to Neuroscience                   | 3 |
| PSYC 3312 | Experimental Psychology                 | 3 |
| PSYC 4090 | Senior Evaluation                       | 0 |
| PSYC 4323 | History and Systems of Psychology       | 3 |

**CLINICAL TRACK**

In addition to the core courses listed above, students on the Clinical Track must take:

|           |                                      |   |
|-----------|--------------------------------------|---|
| PSYC 2311 | Developmental Psychology             | 3 |
|           | or                                   |   |
| PSYC 3316 | Child & Adolescent Psychology        | 3 |
| PSYC 3315 | Abnormal Psychology                  | 3 |
|           | or                                   |   |
| PSYC 3317 | Child and Adolescent Psychopathology | 3 |
| PSYC 4312 | Psychology of Personality Theory     | 3 |
| PSYC      | 3 upper-level electives              | 9 |

A grade of “C” or better is required in all psychology courses counting toward the major.

**PSYCHOLOGY B.S.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core –49-54 hours**

see Bachelor of Science Academic Core with Global Emphasis  
(p. 93)

**B.S. Psychology Major Required Courses –36 hours**

12 hours (6 upper level) at UMHB

12 hours minimum upper level

In addition to the Psychology major core courses listed below, each student must choose to follow the Clinical Track or the Pre-Health Professions Track in order to complete the remaining 16 hours.

|           |                    |   |
|-----------|--------------------|---|
| PSYC 1301 | General Psychology | 3 |
|-----------|--------------------|---|

|           |   |   |
|-----------|---|---|
| PSYC 2101 | Professions in Psychology               | 1 |
| PSYC 2201 | Psychological Writing                   | 2 |
| PSYC 2314 | Research Methods for the Social Science | 3 |
| MATH 2303 | Statistics                              | 3 |
|           | or                                      |   |
| PSYC 2316 | Statistics for the Social Sciences      | 3 |
| PSYC 2331 | Intro to Neuroscience                   | 3 |
| PSYC 3312 | Experimental Psychology                 | 3 |
| PSYC 4323 | History and Systems of Psychology       | 3 |
| PSYC 4090 | Senior Evaluation                       | 0 |

All students must complete a statistics course. Students pursuing medical school are strongly encouraged to complete MATH 2303 Statistics. Students who plan to enter graduate school in Psychology are encouraged to complete PSYC 2316 Statistics for the Social Sciences.

**CLINICAL TRACK**

In addition to the core courses listed above, students on the Clinical Track must take:

|           |                                      |   |
|-----------|--------------------------------------|---|
| PSYC 2311 | Developmental Psychology             | 3 |
|           | or                                   |   |
| PSYC 3316 | Child & Adolescent Psychology        | 3 |
| PSYC 3315 | Abnormal Psychology                  | 3 |
|           | or                                   |   |
| PSYC 3317 | Child and Adolescent Psychopathology | 3 |
| PSYC 4312 | Psychology of Personality Theory     | 3 |
| PSYC      | 3 upper-level electives              | 9 |

**PRE-HEALTH PROFESSIONS TRACK**

The courses required to complete the Pre-Health Professions Track are as follows:

|           |                                      |   |
|-----------|--------------------------------------|---|
|           | One of the following                 |   |
| PSYC 2311 | Developmental Psychology             | 3 |
|           | or                                   |   |
| PSYC 3316 | Child & Adolescent Psychology        | 3 |
|           | One of the following                 |   |
| PSYC 3315 | Abnormal Psychology                  | 3 |
|           | or                                   |   |
| PSYC 3317 | Child and Adolescent Psychopathology | 3 |

SOCI 1311 is required social science for the core

**Required Support Courses**

|           |  |   |
|-----------|--|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 3110 | Genetics Lab                               | 1 |

|           |                      |   |
|-----------|----------------------|---|
| BIOL 3310 | Genetics             | 3 |
| CHEM 1410 | General Chemistry I  | 4 |
| CHEM 1420 | General Chemistry II | 4 |
| CHEM 3410 | Organic Chemistry I  | 4 |

**The remaining twelve hours should be comprised of upper-level Psychology courses. The courses strongly recommended to complete the Pre-Health Professions Track are as follows:**

|           |                               |   |
|-----------|-------------------------------|---|
| PSYC 3319 | Social Psychology             | 3 |
| PSYC 3331 | Neurophysiological Psychology | 3 |

**Pre-Health Profession students are strongly encouraged to complete the degree by taking two of the following courses:**

|           |  |   |
|-----------|--|---|
| PSYC 3320 | Health Psychology                          | 3 |
| PSYC 3333 | Sensation and Perception                   | 3 |
| PSYC 3350 | Cognition                                  | 3 |
| PSYC 4311 | Theories of Learning                       | 3 |
| PSYC 4312 | Psychology of Personality Theory           | 3 |
| PSYC 4355 | Psychological Perspectives on Human Nature | 3 |

Pre-Health Profession students are also advised that most medical schools require completion of the following undergraduate science classes:

BIOL 2340, BIOL 2140, BIOL 2341, BIOL 2141, CHEM 1410, CHEM 1420, CHEM 3410, CHEM 3420, PHYS 2411, and PHYS 2412

Students interested in pursuing PT or PA programs should consult with their advisors for additional science prerequisites required by such programs.

## **PSYCHOLOGY- PRE-OT CONCENTRATION**

### **DEGREE REQUIREMENTS**

#### **B.S. Psychology Major Required Courses –36 hours**

|           |   |   |
|-----------|---|---|
| PSYC 1301 | General Psychology                      | 3 |
| PSYC 2101 | Professions in Psychology               | 1 |
| PSYC 2201 | Psychological Writing                   | 2 |
| PSYC 2311 | Developmental Psychology                | 3 |
| PSYC 2314 | Research Methods for the Social Science | 3 |
| PSYC 2316 | Statistics for the Social Sciences      | 3 |
| PSYC 4323 | History and Systems of Psychology       | 3 |
| PSYC 3315 | Abnormal Psychology                     | 3 |
| PSYC 3312 | Experimental Psychology                 | 3 |
| PSYC 4090 | Senior Evaluation                       | 0 |
|           | Upper Division Elective                 | 3 |
|           | Upper Division Elective                 | 3 |

|  |                         |   |
|--|-------------------------|---|
|  | Upper Division Elective | 3 |
|  | Upper Division Elective | 3 |

#### **Pre-OT Concentration**

|           |                        |   |
|-----------|------------------------|---|
| EXSS 2355 | Medical Terminology    | 3 |
| EXSS 3390 | Anatomical Kinesiology | 3 |
| EXSS 4395 | Motor Behavior         | 3 |

A grade of "C" or better is required in all courses in the major.

The following PSYC electives are strongly recommended: PSYC 3320, PSYC 3331, PSYC 3350, PSYC 4311.

Other recommended electives: SOCI 3325 or PSYC 4330, PSYC 4313; EDSP 3362, EDSP 3363; EDUC 4313 or PSYC 3316; EXSS 3395, EXSS 3396, EXSS 4350, EXSS 4392, EXSS 4394, PHIL 3325.

\* BIOL 2140, BIOL 2340, BIOL2141, BIOL 2341 and PHYS 2411 are required lab science courses for the Psychology Pre-OT track.

## **PSYCHOLOGY MINOR**

A minor in Psychology requires 18 semester hours. 9 hours must be upper-level. A grade of "C" or better is required in all psychology courses counting toward the minor.

### **Social Work, Sociology, and Criminal Justice**

#### **Dr. Christine Nix, Chairperson**

##### *Social Work*

#### **Dr. David Meyers, Program Director**

Courses in the University of Mary Hardin Baylor's Social Work Program are offered for students majoring in Social Work or taking classes for social science credit.

The major in Social Work is designed to prepare students for entry level professional Social Work practice and for graduate Social Work education.

**UMHB's Bachelor of Social Work degree program is accredited by the Council on Social Work Education. Students completing the Bachelor of Social Work degree are eligible to take the examination for Texas state licensure as a baccalaureate social worker (LBSW).**

Students are not officially considered majors in the Social Work Program until they have fulfilled certain criteria. However, students can declare an interest in majoring in Social Work at any time and can take certain courses required in the Social Work curriculum prior to being admitted to the program.

Students are required to meet the following qualifications in order to enter the Social Work Program at the University of Mary Hardin-Baylor:

1. Successfully complete or have scheduled a minimum of 45 semester hours of college courses. These courses must include BCIS 1301, COMM 1320, ENGL 1321, ENGL 1322, POLS 2311, PSYC 1301, SOCI 1311, and SOCW 2311.
2. Achieve a grade of "C" or above in all core Social Work courses taken prior to the application.
3. Possess a cumulative GPA of at least 2.5 at the time of application.
4. Submit a completed application form to the director of the Social Work Program.
5. Have an admission interview with members of the Social Work faculty.
6. Upon receiving a conditional offer of admission, demonstrate physical, mental, and emotional qualifications sufficient, with or without reasonable accommodation, to meet the academic and technical requirements of the social work profession.
7. Enjoy the status of a student in good standing at the University of Mary Hardin-Baylor.

UMHB's Social Work Program reserves the right to deny an applicant admission or readmission for any legal reason.

Once admitted to the Social Work Program, a student must achieve a grade of "C" or above in all core Social Work courses, maintain at least a 2.5 GPA in all Social Work courses considered collectively, and maintain an overall 2.5 GPA, in order to continue in the program.

An introductory Social Work course may be accepted in transfer if it covers the same content as UMHB's course. Other transfer Social Work courses will be accepted only from Council on Social Work Education accredited programs. Academic credit for life experience and previous work experience cannot be given for any Social Work course.

## SOCIAL WORK B.S.W.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 57 hours

see Bachelor of Social Work Academic Core

#### B.S.W. Social Work Major Required Courses –52 hours

12 hours (6 upper-level ) at UMHB

12 hours minimum upper level

|           |  |   |
|-----------|--|---|
| SOCW 2305 | Statistics for the Social Sciences     | 3 |
| SOCW 2311 | Introduction to Social Work            | 3 |
| SOCW 2312 | Human Behavior & Social Environment I  | 3 |
| SOCW 2314 | Human Behavior & Social Environment II | 3 |
| SOCW 3311 | Social Work Practice I                 | 3 |
| SOCW 3313 | Policies & Issues in Social Work       | 3 |
| SOCW 3314 | Social Work Practice II                | 3 |
| SOCW 3315 | Human Diversity                        | 3 |
| SOCW 3325 | Case Management                        | 3 |
| SOCW 4090 | Senior Examination                     | 0 |
| SOCW 4311 | Senior Seminar in Social Work (WE)     | 3 |
| SOCW 4312 | Social Work Research I                 | 3 |
| SOCW 4316 | Social Work Practice III               | 3 |
| SOCW 4322 | Social Work Research II                | 3 |
| SOCW 4511 | Social Work Practicum I                | 5 |
| SOCW 4512 | Social Work Practicum II               | 5 |
| SOCW      | Elective                               | 3 |

NOTE: The following criteria is required to apply for the program:

Cumulative GPA of at least 2.5 at time of application

Grade of "C" or above in all core Social Work courses

#### Completion of 45 semester hours must include:

|           |   |   |
|-----------|---|---|
| BCIS 1301 | Information Systems for Business Impact | 3 |
| COMM 1320 | Public Speaking                         | 3 |
| ENGL 1321 | Rhetoric & Composition I                | 3 |
| ENGL 1322 | Rhetoric & Composition II               | 3 |
| POLS 2311 | State and Federal Government II         | 3 |
| PSYC 1301 | General Psychology                      | 3 |
| SOCI 1311 | Introduction to Sociology               | 3 |
| SOCW 2311 | Introduction to Social Work             | 3 |

The B.S.W. degree does not require a minor area of study, though students may choose to complete a minor. It is important for students to consult with their advisor about courses one should complete to meet the 124 hours required for graduation.

## SOCIAL WORK MINOR

The social work minor provides students an understanding of society and social behavior. It serves as a foundation for students in other major field of study, who may seek to pursue a MSW. The minor enables students to analyze and engage individual and societal problems in the context of professional and societal values, cultural and human diversity and other social economic factors. The social work minor provides a fundamental knowledge of human relations and it will complement careers in Christian Studies, journalism, public administration, nursing and other related fields.

### DEGREE REQUIREMENTS

21 hours

#### Required 9 hours:

|           |  |   |
|-----------|--|---|
| SOCW 2311 | Introduction to Social Work            | 3 |
| SOCW 2312 | Human Behavior & Social Environment I  | 3 |
| SOCW 2314 | Human Behavior & Social Environment II | 3 |

#### Required 3 hours (one course) from the following:

|           |                          |   |
|-----------|--------------------------|---|
| SOCW 2313 | Family and Child Welfare | 3 |
| SOCW 4313 | Gerontology              | 3 |
| SOCW 4315 | Death and Dying          | 3 |

#### Choose one of the following sets:

##### Set One:

|           |                                  |   |
|-----------|----------------------------------|---|
| SOCW 3313 | Policies & Issues in Social Work | 3 |
| SOCW 3315 | Human Diversity                  | 3 |
| SOCW 3325 | Case Management                  | 3 |

##### Set Two:

|           |                                    |   |
|-----------|------------------------------------|---|
| SOCW 2305 | Statistics for the Social Sciences | 3 |
| SOCW 4312 | Social Work Research I             | 3 |
| SOCW 4322 | Social Work Research II            | 3 |

The social work practice courses (SOCW 3311, SOCW 3314, and SOCW 4316), Senior Seminar (SOCW 4311), Senior Examination (SOCW 4090), and the field practicum courses (SOCW 4511 and SOCW 4512) are available only

to students majoring in social work.

Students with a minor in social work are not eligible to take the state of Texas' social work licensure examination nor enter an advanced standing Master of Social Work program.

No grade less than "C" shall apply toward an SOCW course.

### Sociology

Sociology is the scientific study of human societies and interactions. This broad field examines a range of social forces in the world, including family, religion, gender, health, ethnicity, and poverty using rigorous scientific methodologies and theories. As an integral part of the liberal arts tradition, students majoring in sociology are well-prepared for careers in medicine, law, ministry or social services.

## SOCIOLOGY B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 60 hours

see Bachelor of Arts Academic Core

#### B.A. Sociology Major Required Courses –30 hours

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

#### Core (12 hours)

|           |                                    |   |
|-----------|------------------------------------|---|
| SOCI 1311 | Introduction to Sociology          | 3 |
| SOCI 2305 | Statistics for the Social Sciences | 3 |
| SOCI 2310 | Research Methods for Sociology     | 3 |
| SOCI 4318 | Social Theory                      | 3 |
| SOCI 4090 | Senior Examination                 | 0 |

#### Populations- Choose 3 (9 hours)

|           |                          |   |
|-----------|--------------------------|---|
| SOCI 3317 | Race and Ethnicity       | 3 |
| SOCI 3330 | Sociology of Gender      | 3 |
| SOCI 3340 | Social Class and Poverty | 3 |
| SOCI 3350 | Sociology of Health      | 3 |
| SOCI 4317 | Criminology              | 3 |

#### Electives- 9 hours

Choose 3 upper-level SOCI courses not already taken

No grade less than "C" shall apply toward any SOCI course.

## PRE- MED SOCIOLOGY B.S.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core –49-54 hours

Bachelor of Science Core Global Emphasis Option (p. 93)

#### Pre-Med B.S. Sociology Major Required Courses –30 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

#### Core (12 hours)

|           |                                |   |
|-----------|--------------------------------|---|
| MATH 2303 | Statistics                     | 3 |
| SOCI 1311 | Introduction to Sociology      | 3 |
| SOCI 2310 | Research Methods for Sociology | 3 |
| SOCI 4318 | Social Theory                  | 3 |
| SOCI 4090 | Senior Examination             | 0 |

#### Populations- Choose 3 (9 hours)

|           |                          |   |
|-----------|--------------------------|---|
| SOCI 3317 | Race and Ethnicity       | 3 |
| SOCI 3330 | Sociology of Gender      | 3 |
| SOCI 3340 | Social Class and Poverty | 3 |
| SOCI 3350 | Sociology of Health      | 3 |
| SOCI 4317 | Criminology              | 3 |

#### Electives- 9 hours

Choose 3 upper-level SOCI courses not already taken

No grade less than "C" shall apply toward any SOCI course.

#### Required Support Courses

|           |  |   |
|-----------|--|---|
| BIOL 1150 | Biomolecules, Genes, and Cells Lab         | 1 |
| BIOL 1350 | Biomolecules, Genes, and Cells             | 3 |
| BIOL 1160 | Organisms, Populations, and Ecosystems Lab | 1 |
| BIOL 1360 | Organisms, Populations, and Ecosystems     | 3 |
| BIOL 3310 | Genetics                                   | 3 |
| BIOL      | Upper-level Elective                       | 4 |
| CHEM 1410 | General Chemistry I                        | 4 |
| CHEM 1420 | General Chemistry II                       | 4 |
| CHEM 3410 | Organic Chemistry I                        | 4 |
| CHEM 3420 | Organic Chemistry II                       | 4 |

|           |                          |   |
|-----------|--------------------------|---|
| CHEM 4430 | Biochemistry             | 4 |
| PHYS 2051 | Physics Laboratory I     | 0 |
| PHYS 2052 | Physics Laboratory II    | 0 |
| PHYS 2411 | General Physics I        | 4 |
| PHYS 2412 | General Physics II       | 4 |
| PSYC 1301 | General Psychology       | 3 |
| PSYC 2311 | Developmental Psychology | 3 |
| MATH 1306 | College Algebra          | 3 |

## SOCIOLOGY B.S.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core –49-54 hours

see Bachelor of Science Academic Core (p. 93)

Research Methods/Internship fulfilled by SOCI 2310

#### B.S. Sociology Major Required Courses –30 hours

12 hours (*6 upper level*) at UMHB

12 hours minimum upper level

#### Core (12 hours)

|           |                                    |   |
|-----------|------------------------------------|---|
| SOCI 1311 | Introduction to Sociology          | 3 |
| SOCI 2305 | Statistics for the Social Sciences | 3 |
| SOCI 2310 | Research Methods for Sociology     | 3 |
| SOCI 4318 | Social Theory                      | 3 |
| SOCI 4090 | Senior Examination                 | 0 |

#### Populations- Choose 3 (9 hours)

|           |                          |   |
|-----------|--------------------------|---|
| SOCI 3317 | Race and Ethnicity       | 3 |
| SOCI 3330 | Sociology of Gender      | 3 |
| SOCI 3340 | Social Class and Poverty | 3 |
| SOCI 3350 | Sociology of Health      | 3 |
| SOCI 4317 | Criminology              | 3 |

#### Electives- 9 hours

Choose 3 upper-level SOCI courses not already taken

No grade less than "C" shall apply toward any SOCI course.

## SOCIOLOGY MINOR

A minor in Sociology requires 18 semester hours, including SOCI 1311 and SOCI 4318 (12 of these semester hours must be taken in courses intended for juniors and seniors).

No grade less than "C" shall apply toward any SOCI course.

*Criminal Justice*

The major in Criminal Justice is designed to prepare the student for entry level practice and establish an academic and professional foundation for career advancement.

**CRIMINAL JUSTICE B.A.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 60 hours**

see Bachelor of Arts Academic Core

\*SOCI 1311 required for Social Science

**B.A. Criminal Justice Major Required Courses-38 hours**

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

Lower level courses must be completed prior to enrolling in upper level Criminal Justice courses

**11 hours of lower level Criminal Justice courses – 11 hours**

|           |                                  |   |
|-----------|----------------------------------|---|
| CRIJ 1310 | Introduction to Criminal Justice | 3 |
| CRIJ 2215 | Writing in Criminal Justice      | 2 |
| CRIJ 2330 | Fundamentals of Criminal Law     | 3 |
| CRIJ 2334 | Courts and Criminal Procedure    | 3 |

**Plus 3 of the following lower level courses:**

|           |                                    |   |
|-----------|------------------------------------|---|
| CRIJ 2311 | Police Systems and Practices       | 3 |
| CRIJ 2312 | Criminal Investigation             | 3 |
| CRIJ 2341 | Correctional Systems and Practices | 3 |
| CRIJ 2342 | Community Based Corrections        | 3 |
| CRIJ 2336 | Legal Aspects of Law Enforcement   | 3 |

**18 hours of upper level coursework, to include:**

|           |                                     |   |
|-----------|-------------------------------------|---|
| CRIJ 3318 | Juvenile Delinquency                | 3 |
| CRIJ 4090 | Senior Examination                  | 0 |
| CRIJ 4317 | Criminology                         | 3 |
| CRIJ 4320 | Ethics in Criminal Justice          | 3 |
| CRIJ 4321 | Critical Issues in Criminal Justice | 3 |
| CRIJ      | Upper-level Elective                | 6 |

The student intending to major in Criminal Justice should contact the Criminal Justice Program or a UMHB advisor

before registering for a Criminal Justice course at UMHB or at another institution.

No grade less than "C" shall apply toward any CRIJ course.

**CRIMINAL JUSTICE B.S.**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core –49-54 hours**

see Bachelor of Science with Global Emphasis Option (p. 93)

\*SOCI 1311 required for Social Science

**B.S. Criminal Justice Major Required Courses –38 hours**

12 hours (6 upper level ) at UMHB

12 hours minimum upper level

Lower level courses must be completed prior to enrolling in upper level Criminal Justice courses

**11 hours of lower level Criminal Justice courses – 11 hours**

|           |                                  |   |
|-----------|----------------------------------|---|
| CRIJ 1310 | Introduction to Criminal Justice | 3 |
| CRIJ 2215 | Writing in Criminal Justice      | 2 |
| CRIJ 2330 | Fundamentals of Criminal Law     | 3 |
| CRIJ 2334 | Courts and Criminal Procedure    | 3 |

**Plus 3 of the following lower level courses:**

|           |                                    |   |
|-----------|------------------------------------|---|
| CRIJ 2311 | Police Systems and Practices       | 3 |
| CRIJ 2312 | Criminal Investigation             | 3 |
| CRIJ 2341 | Correctional Systems and Practices | 3 |
| CRIJ 2342 | Community Based Corrections        | 3 |
| CRIJ 2336 | Legal Aspects of Law Enforcement   | 3 |

**18 hours of upper level coursework, to include:**

|           |                                     |   |
|-----------|-------------------------------------|---|
| CRIJ 3318 | Juvenile Delinquency                | 3 |
| CRIJ 4090 | Senior Examination                  | 0 |
| CRIJ 4317 | Criminology                         | 3 |
| CRIJ 4320 | Ethics in Criminal Justice          | 3 |
| CRIJ 4321 | Critical Issues in Criminal Justice | 3 |
| CRIJ      | Upper-level Elective                | 6 |



The student intending to major in Criminal Justice should contact the Criminal Justice Program or a UMHB advisor before registering for a Criminal Justice course at UMHB or at another institution.

No grade less than "C" shall apply toward any CRIJ course.

## CRIMINAL JUSTICE MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 23 hours

6 hours upper level at UMHB

|           |                                  |    |
|-----------|----------------------------------|----|
| CRIJ 1310 | Introduction to Criminal Justice | 3  |
| CRIJ 2215 | Writing in Criminal Justice      | 2  |
|           | CRIJ Lower-Level Elective        | 3  |
|           | CRIJ Upper-Level Electives       | 15 |

Lower level courses must be completed prior to enrolling in upper level Criminal Justice courses

**Complete an additional lower level course selected from the following courses:**

|           |                                    |   |
|-----------|------------------------------------|---|
| CRIJ 2330 | Fundamentals of Criminal Law       | 3 |
| CRIJ 2334 | Courts and Criminal Procedure      | 3 |
| CRIJ 2311 | Police Systems and Practices       | 3 |
| CRIJ 2341 | Correctional Systems and Practices | 3 |
| CRIJ 2342 | Community Based Corrections        | 3 |
| CRIJ 2336 | Legal Aspects of Law Enforcement   | 3 |

Some lower level courses may not be taught at UMHB and may be completed at a local community college or other university

Upon successful completion of the 6 hours of lower level Criminal Justice courses, the student may enroll in upper level Criminal Justice courses.

The student intending to minor in Criminal Justice should contact the Criminal Justice Program or a UMHB advisor before registering for a Criminal Justice course at UMHB or at another institution.

No grade less than "C" in any Criminal Justice course shall apply toward a minor in Criminal Justice.

## Aerospace Studies Department

Paul W. Bryant, Lt Col, USAF, Chairperson

## Baylor University

The University of Mary Hardin-Baylor participates in a cross-town agreement with Baylor University, which allows UMHB students to take Air Force Reserve Officers Training Corps (AFROTC) / Aerospace Studies classes offered at Baylor. Effective January 1, 2020, AFROTC/Military Science students will not be able to waive the Exercise Activity courses required in the academic core curriculum.

### Leadership Laboratory (LLAB)

The AERO 1111, AERO 1112, AERO 2111, AERO 2112, AERO 3111, AERO 3112, AERO 4111, and AERO 4112 classes are collectively referred to as Leadership Laboratory (LLAB) and are required for cadets pursuing a commission in the Air Force. LLAB is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. LLAB involves a study of Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force, and the life and work of an Air Force commissioned officer. Field trips to Air Force installations may be included when funding permits. Physical training and fitness evaluations are required. Cadets enrolled in LLAB are required to submit documentation of twice-weekly, 1-hour physical training (PT) sessions. Cadets must also attend at least 80% of LLAB activities (i.e., practical military training), which averages two hours per week throughout a cadet's entire enrollment in the AFROTC program.

### General Military Course (GMC)

The AERO 1101, AERO 1102, AERO 2101, and AERO 2102 classes are collectively referred to as the General Military Course (GMC) and have Leadership Laboratory co-requisites for cadets. The GMC concentrates on two major themes: (1) Heritage and Values and (2) Team and Leadership Fundamentals. Students will survey general aspects of the Department of the Air Force, opportunities for Air Force officers, employment of air and space power, and leadership and team building. For cadets, the GMC culminates in a two-week, off campus training course called Field Training. For cadets, the GMC culminates in a four-week, off campus training course called Field Training. Cadets who begin AFROTC with an expectation to complete the program and their baccalaureate degree in less than 4 years may concurrently take AERO 1101 and 2101 or AERO 1102 and 2102 in order to preserve at least 2 full years in the Professional Officer Course.

Field Training Eligible cadets compete, on a nationwide basis, to attend Field Training during the summer months

at an Air Force training site in the United States. Students usually compete for a Field Training enrollment allocation in the spring of their sophomore year and attend Field Training that summer. Field Training will train and evaluate cadets in Air Force Institutional Competencies to prepare them for the Professional Officer Corps Successful completion of Field Training enables students to enroll in the Professional Officer Course.

### Professional Officer Course (POC)

The AERO 3301, AERO 3302, AERO 4301, and AERO 4302 classes are collectively referred to as the Professional Officer Course and have Leadership Laboratory co-requisites for cadets. The POC concentrates on two major themes: (1) Leading People & Effective Communication and (2) National Security Affairs, Leadership Responsibilities, & Commissioning Preparation Students will learn advanced skills in management and leadership and will be provided the foundation to understand the role of military officers in American society. For cadets, successful completion of the POC and a baccalaureate degree results in commissioning as an Air Force second lieutenant and a call to extended active duty (i.e. full-time military service) within 365 days of the commissioning date.

### AFROTC Courses for Other Students

Students who are not pursuing a career as an Air Force officer may take the AERO 1101, 1102, 2101, 2102, 3301, 3302, 4301, and 4302 classes for credit. These students will not register for the leadership laboratory portion (i.e., AERO 1111, 1112, 2111, 2112, 3111, 3112, 4111, 4112) of the AFROTC program and are not considered cadets. There is no military service obligation for students who enroll in these classes.

### Additional Information

Scholarships and abbreviated commissioning programs may exist for qualified candidates. To inquire about any of the traditional or abbreviated programs and for more information about scholarship opportunities, contact [afrotc@baylor.edu](mailto:afrotc@baylor.edu).

The Department of Aerospace Studies is located in the Baylor University Speight Plaza Building and Parking Garage, Suite 100, 1521 S. 4th Street, Waco, Texas. The telephone number is (254) 710-3513. Additionally, the mailing address is AFROTC Detachment 810, Baylor University, One Bear Place #97070, Waco, TX 76798

## Reserve Officer Training Corps - Military Science Department (Army ROTC)

### Requirements for Admission

**\*\*Effective January 1, 2020, ROTC/Military Science students will not be able to waive the Exercise Activity**

**courses required in the academic core curriculum.\*\***

**Basic Course:** All courses offered as part of the basic course are eligible for elective credit toward graduation. Course work covers the areas of leadership development, time management, planning, fitness, life skills, self confidence, and Army values. **No military service obligation is incurred for students enrolled in the basic course.**

**Advanced Course:** The two-year advanced course is selective and elective, in that any qualified students may apply for admission. The application requires the approval of the Professor of Military Science. Students, who have at least two years of college remaining, maintain a 2.0 or better grade point average, complete the basic course or qualify by prior military training, and are physically qualified, are eligible for enrollment in the advanced course. The advanced course leads to a commission as an officer in the United States Army Reserve, or Regular Army, or Army National Guard and is pursued under a written agreement with the Department of the Army. Advanced-course contract students are paid approximately \$8,000 for the two-year course, which includes attendance at the ROTC Leader Development and Assessment Course.

**Two-Year Program:** Students transferring to or currently enrolled at University of Mary Hardin-Baylor, who cannot complete the basic course prior to becoming academic juniors or graduate students with at least two years remaining may qualify to enter the advanced course by successfully completing a four-week Leader's Training Course, conducted each summer at Fort Knox, Kentucky. Academic credit and pay are granted to students attending the course. Applications should be submitted to the Department of Military Science by February 15.

**Credit for Previous Military Training:** Students with previous military training may qualify for placement directly into the advanced course. The Professor of Military Science determines the placement, which is acceptable to the Army, for each student requesting this classification. To receive placement into the advanced course, a student must have 60 credit hours and an overall 2.0 GPA.

### Special Programs

**U.S. Army ROTC Leader's Training Course:** Maximum of twelve credit hours. The ROTC Leader's Training Course is a four-week summer course conducted at Fort Knox, Kentucky, for students who cannot complete the Basic Course prior to becoming academic juniors. In addition to free room, board, and transportation, students are paid approximately \$800. Training includes practical exercises to enhance confidence, physical fitness, and leadership qualities. Prerequisite: Approval of department head.

**Ranger Challenge:** An adventure-oriented event designed to develop leadership qualities, self discipline, self confidence, and resourcefulness through small unit tactics and inter-collegiate military skills competition. Members participate in several field training exercises during the semester. Open to all interested and qualified students with at least a 2.0 GPA.

**Adventure Training:** Is available to students who apply to attend Northern Operation Training (Alaska), Airborne-Parachutist Training (Georgia), Air Assault Training (Kentucky), Nurse Summer Training Program, Cadet Troop Leader Training Program (positions world-wide).

**ROTC Scholarships:** Competitive two, three and four-year scholarships, which pay all tuition, laboratory fees, textbooks, and other required academic expenses except room and board, are available. In addition, the scholarship holder receives a stipend of \$300 to \$500 per month during the academic year. Scholarship students must have and maintain a minimum 2.5 GPA.

**ROTC Leader Development and Assessment Course:** Practical application of tactics, leadership training and practice, and arms qualification. Four weeks during the summer at Fort Knox, Kentucky. Prerequisite: M S 301 and 302 or approval of department head.

## MILITARY SCIENCE MINOR

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### DEGREE REQUIREMENTS

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Students pursuing a Military Science minor must complete 18 hours of Military Science courses, for example, those with ROTC or AERO prefixes. A minimum of 6 of these hours must be upper-level courses including a capstone course (e.g. ROTC 4312 for students in the ROTC program). Effective January 1, 2020, ROTC/Military Science students will not be able to waive the Exercise Activity courses required in the academic core curriculum.

**Veterans:** Students who have prior military service may be eligible for advanced placement, provided that their active duty was completed within the last five years.

**National Guard/Reserves:** Students who are currently members of the United States Army Reserve or the National Guard are eligible for advanced placement under the Simultaneous Membership Program.

**M S Leadership Laboratory:** Practical application of classroom instruction emphasizing rappelling, water survival, orienteering, physical fitness, and basic military skills. Participating students are provided all uniforms and equipment. Participation is required of all M S students.

# COLLEGE OF VISUAL AND PERFORMING ARTS

**Dr. Kathryn Fouse, Dean**

## Purpose

The College of Visual and Performing Arts is an integral part of the University of Mary Hardin-Baylor and operates in accordance with the overall mission of the University. The College's purpose is to promote excellence through artistic practice and scholarship within the framework of a faith-informed environment. We are dedicated to producing artists, designers, performers, teachers, and scholars of unique creative thought and insightful Christian faith. We are committed to helping our students develop an understanding of and appreciation for the important role of the visual and performing arts in society.

## UMHB Fine Arts Experience Requirement (FAE)

The general education core at UMHB is designed to help students develop to their full potential as educated persons. UMHB strives to offer its students a setting in which they can mature culturally, as well as intellectually. In an effort to provide a well-rounded education, the University requires a Fine Arts Experience (FAE) in addition to three hours of fine arts course credit required in the core curriculum. The purpose of this Fine Arts Experience requirement is to establish and foster a life-long pattern of fine arts involvement.

All full-time undergraduate, degree-seeking students must attend no less than eight (see requirements listed below) FAE events, one each semester they are enrolled. Students are advised to enroll for UMHB 1005: Fine Arts Experience each semester of full time attendance at UMHB.

## What is a Fine Arts Experience Event?

Approved FAE events will cover a wide variety of programs and will be chosen from areas such as plays, art exhibitions and musical performances, or from lectures/presentations of general appeal related to the fine arts. These events will be scheduled and approved by the FAE Coordinator.

## How Can the Requirement Be Fulfilled?

Satisfactory Fine Arts Experience (FAE) attendance requirements are as follows:

1. **Incoming Freshmen** (or transfer students with less than thirty semester hours accepted by UMHB) must acquire eight semesters of FAE credit.
2. **Transfer Students**
  - a. Sophomores (students with thirty to fifty-nine semester hours accepted by UMHB) must acquire six semesters of FAE credit.
  - b. Juniors (students with sixty to eighty-nine semester hours accepted by UMHB) must acquire four semesters of FAE credit.
  - c. Seniors (students with ninety or more semester hours accepted by UMHB) must acquire two semesters of FAE credit.
3. Students who complete their education in fewer than the expected number of semesters based on the number of hours with which they entered, will have their FAE requirement reduced to one per full semester they are at UMHB. For example: a student who enters as a freshman but completes a degree in seven semesters will only be required to complete seven FAE credits
4. FAE attendance is mandatory, if attendance records indicate that a student did not attend the required number of FAE events, or did not make-up the absence, they will receive non-credit for FAE on the grade report for that semester. Students are responsible for making sure they have fulfilled all requirements for attendance and can check the records of attendance with the FAE Coordinator. **If a student feels that an error has been made, he/she has until the first two weeks of the following semester to question the accuracy of the records.**

To receive credit the student's ID must be scanned at the conclusion of the event.

## Theatre

### THEATRE MINOR

#### DEGREE REQUIREMENTS

##### Required Courses

|                |                             |   |
|----------------|-----------------------------|---|
| 20 total hours |                             |   |
| THEA 2230      | Stage Movement              | 2 |
| THEA 2250      | Theatre Tech I              | 2 |
| THEA 2310      | Acting I                    | 3 |
| THEA 2350      | Introduction to the Theatre | 3 |
| THEA 3100      | Dramatic Production         | 1 |
| THEA 3100      | Dramatic Production         | 1 |
| THEA 3250      | Theatre Tech II             | 2 |
| THEA 3320      | Acting II                   | 3 |
| THEA 4300      | Directing                   | 3 |

\* THEA 3100 must be taken two times

## Art

### Hershall Seals, Chairperson

Art Department Vision Statement: The UMHB Art Department prepares students to impact their community through art and design.

Art Department Mission Statement: The purpose of the UMHB Art Department is to create a Christ-centered artistic community committed to equipping students with a wide range of skills and concepts for expression. As a part of the liberal arts at UMHB, the Art Department encourages students to develop critical thinking and cultural literacy alongside the skills necessary for visual communication.

The Art Department reserves the privilege of retaining selected student works for exhibition.

An art major must achieve a grade of "C" or above in all Art courses. A grade of "D" or "F" will require the student to repeat the course.

Students must furnish materials for all courses.

ARTS 2000 Sophomore Review is required of all Art majors when the student has completed 21 hours of ARTS courses.

### ART B.A.

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 60 hours

See Bachelor of Arts Degree Academic Core (p. 86)

World Cultures will be fulfilled by ARTS 2354

#### Art Major – 36 hours

12 hours (6 upper level) at UMHB

18 Hours Minimum Upper Level

|           |                         |    |
|-----------|-------------------------|----|
| ARTS 1310 | Drawing I               | 3  |
| ARTS 1320 | Design                  | 3  |
| ARTS 2351 | Art History I           | 3  |
| ARTS 2352 | Art History II          | 3  |
| ARTS 2340 | 3D Design               | 3  |
| ARTS      | Lower-level Elective    | 3  |
| ARTS 2000 | Sophomore Review        | 0  |
|           | Upper level Art History | 3  |
| ARTS      | Upper Level Elective    | 15 |
| ARTS 4081 | Senior Exhibition       | 0  |

Note: Studio courses are to be taken in sequence.

### Sophomore Review

Required after completion of 21 hours of ARTS courses.

### Electives

to complete 120 hours

### ART B.F.A. WITH A MAJOR IN ART EDUCATION

Students pursuing teacher certification in art must meet all guidelines for the Educator Preparation Program and the state of Texas (see catalog for College of Education) including assessment, field hours, and grade point requirements.

The following is the recommended sequence for educator preparation courses. Failure to take EDUC 3315 in the sophomore year may result in a delay of student teaching.

127 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
32 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### A. Academic Core - 43 hours

*POLS State & Federal Government I or II: Strongly recommended for certification prep but not required.*

*HIST American History I or II: Strongly recommended for certification prep but not required.*

#### Christian Studies - 6 hours

|           |                            |   |
|-----------|----------------------------|---|
| CSBS 1311 | Engaging the Old Testament | 3 |
| CSBS 1312 | Engaging the New Testament | 3 |

#### Social Science - 3 hours

#### English - 9 hours

|           |                           |   |
|-----------|---------------------------|---|
| ENGL 1321 | Rhetoric & Composition I  | 3 |
| ENGL 1322 | Rhetoric & Composition II | 3 |
| ENGL      | Literature                | 3 |

#### Exercise and Sport Activity (2 activity courses) - 2 Courses

#### Fine Arts - 3 hours

Must be outside of the ARTS prefix

#### Lab Science - 4 hours

#### Public Speaking - 3 hours

|           |                 |   |
|-----------|-----------------|---|
| COMM 1320 | Public Speaking | 3 |
|-----------|-----------------|---|

#### Quantitative Reasoning - 3 hours

|           |                        |   |
|-----------|------------------------|---|
| MATH 1304 | Quantitative Reasoning | 3 |
|-----------|------------------------|---|

or

higher

**History or Political Science - 3 hours****World Cultures - 3 hours**

ARTS 2354 World Art 3

**Technology - 3 hours**

EDUC 2311 Classroom Technology 3

**Chapel - 1 to 4 credits**

UMHB Chapel 1002 0

UMHB 1002: credits determined by admission classification

**Fine Arts Experience - 2-8 credits**

UMHB Fine Arts Experience 1005 0

UMHB 1005: credits determined by admission classification

**Freshman Seminar - 1 hour**

UMHB Freshman Seminar 1101 1

UMHB 1101: required for first-time freshmen with fewer than 12 semester hours of transfer credit only

**Art Major, a Major in Art Education– 60 hours**12 hours (*6 upper level*) at UMHB & 12 hours minimum upper level**Lower Level Classes – 30 hours**

|           |                  |   |
|-----------|------------------|---|
| ARTS 1310 | Drawing I        | 3 |
| ARTS 1320 | Design           | 3 |
| ARTS 1325 | Color Theory     | 3 |
| ARTS 2351 | Art History I    | 3 |
| ARTS 2352 | Art History II   | 3 |
| ARTS 2311 | Drawing II       | 3 |
| ARTS 2320 | Painting I       | 3 |
| ARTS 2322 | Photography I    | 3 |
|           | or               |   |
| ARTS 2370 | Digital Art      | 3 |
| ARTS 2340 | 3D Design        | 3 |
| ARTS 2360 | Ceramics I       | 3 |
| ARTS 2000 | Sophomore Review | 0 |

**Upper Level Classes – 30 hours**

|           |  |   |
|-----------|--|---|
| ARTS 3310 | Printmaking I: Relief and Screen Print | 3 |
|           | or                                     |   |
| ARTS 4310 | Printmaking II: Intaglio and Lithog    | 3 |
| ARTS 3320 | Painting II                            | 3 |
| ARTS 3331 | Elementary Art                         | 3 |
| ARTS 3332 | Secondary Art                          | 3 |

|           |                                |   |
|-----------|--------------------------------|---|
| ARTS 4380 | Senior Studio                  | 3 |
|           | ARTS Upper-level Electives (9) | 9 |
|           | Upper level Art History        | 3 |
|           | Upper level Art History        | 3 |
| ARTS 4081 | Senior Exhibition              | 0 |

ARTS 3331 &amp; ARTS 3332 may not be repeated.

**Sophomore Review**

Required after completion of 21 hours of ARTS courses.

**Upper level art history** courses include:

|           |                        |
|-----------|------------------------|
| ARTS 3349 | Medieval Art           |
| ARTS 3350 | Renaissance Art        |
| ARTS 3351 | Modern Art             |
| ARTS 3355 | Graphic Design History |
| ARTS 4350 | American Art           |

**Study abroad trips:**

ARTS 4391 Italian Art Experience, French Art and Culture, Prague Art and Culture, etc.

**Pedagogy and Professional Practices – 24 hours****Sophomore Year**

EDUC 3315 Students and Learning

**Junior Year or Senior Year Semester 1**

|           |                       |
|-----------|-----------------------|
| EDUC 4324 | Classroom Management  |
| READ 4326 | Disciplinary Literacy |
| EDUC 4328 | Curriculum Design I   |

**Senior Year Second Semester**

|           |                          |
|-----------|--------------------------|
| EDUC 4250 | Student Teaching Seminar |
| EDUC 4501 | Student Teaching I       |
| EDUC 4502 | Student Teaching II      |

A minimum 3.0 GPA and no grade lower than a "C" are required in certification area &amp; professional development

**ART B.F.A. WITH A MAJOR IN GRAPHIC DESIGN**

120 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 40 hours**

See Bachelor of Fine Arts Degree Academic Core

**Art Major, B.F.A. degree with a major in Graphic Design– 78 hours**

12 hours at UMHB

12 hours minimum upper level

**Lower Level Classes – 33 hours**

|           |                  |   |
|-----------|------------------|---|
| ARTS 1310 | Drawing I        | 3 |
| ARTS 1320 | Design           | 3 |
| ARTS 1325 | Color Theory     | 3 |
| ARTS 2351 | Art History I    | 3 |
| ARTS 2352 | Art History II   | 3 |
| ARTS 2311 | Drawing II       | 3 |
| ARTS 2320 | Painting I       | 3 |
| ARTS 2322 | Photography I    | 3 |
| ARTS 2340 | 3D Design        | 3 |
| ARTS 2370 | Digital Art      | 3 |
| ARTS 2375 | Typography       | 3 |
| ARTS 2000 | Sophomore Review | 0 |

**Upper Level Classes – 45 hours**

|           |  |    |
|-----------|--|----|
| ARTS 3310 | Printmaking I: Relief and Screen Print | 3  |
|           | or                                     |    |
| ARTS 4310 | Printmaking II: Intaglio and Lithog    | 3  |
| ARTS 3320 | Painting II                            | 3  |
| ARTS 3322 | Photography II                         | 3  |
|           | Upper level Art History                | 3  |
| ARTS 3355 | Graphic Design History                 | 3  |
| ARTS 3370 | Graphic Design I                       | 3  |
| ARTS 3375 | Graphic Design II                      | 3  |
| ARTS 4373 | Graphic Design III                     | 3  |
| ARTS 4370 | Interactive Design                     | 3  |
| ARTS 4379 | Senior Design Studio                   | 3  |
| ARTS 4375 | Applied Graphic Design                 | 3  |
|           | or                                     |    |
| ARTS 4395 | Internship in Graphic Design           | 3  |
| ARTS      | Upper-level Elective                   | 12 |
| ARTS 4081 | Senior Exhibition                      | 0  |

**Sophomore Review**

Required after completion of 21 hours of ARTS courses.

**Upper level art history** courses include:

ARTS 3349 Medieval Art  
 ARTS 3350 Renaissance Art  
 ARTS 3351 Modern Art  
 ARTS 3355 Graphic Design History  
 ARTS 4350 American Art

Study abroad trips:

ARTS 4391 Italian Art Experience, French Art and Culture, Prague Art and Culture, etc.

**ART B.F.A. WITH A MAJOR IN STUDIO ART**

120 MINIMUM HOURS

36 UPPER LEVEL HOURS

30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 40 hours**

See Bachelor of Fine Arts Degree Academic Core

**Art Major, Studio Art Emphasis – 78 hours**12 Hours (*6 Upper Level*) at UMHB

12 Hours Minimum Upper Level

**Lower Level Classes – 30 hours**

|           |                  |   |
|-----------|------------------|---|
| ARTS 1310 | Drawing I        | 3 |
| ARTS 1320 | Design           | 3 |
| ARTS 1325 | Color Theory     | 3 |
| ARTS 2351 | Art History I    | 3 |
| ARTS 2352 | Art History II   | 3 |
| ARTS 2311 | Drawing II       | 3 |
| ARTS 2320 | Painting I       | 3 |
| ARTS 2340 | 3D Design        | 3 |
| ARTS 2360 | Ceramics I       | 3 |
| ARTS 2370 | Digital Art      | 3 |
| ARTS 2000 | Sophomore Review | 0 |

**Upper Level Classes – 36 hours**

|           |  |    |
|-----------|--|----|
| ARTS 3310 | Printmaking I: Relief and Screen Print | 3  |
|           | or                                     |    |
| ARTS 4310 | Printmaking II: Intaglio and Lithog    | 3  |
| ARTS 3320 | Painting II                            | 3  |
| ARTS 3345 | Art Metals I                           | 3  |
|           | or                                     |    |
| ARTS 3311 | Life Drawing                           | 3  |
|           | Upper level Art History                | 3  |
| ARTS 3360 | Ceramics II                            | 3  |
|           | or                                     |    |
| ARTS 4320 | Painting III                           | 3  |
|           | Upper level Art History                | 3  |
| ARTS 4380 | Senior Studio                          | 3  |
| ARTS 4311 | Advanced Drawing Problems              | 3  |
|           | or                                     |    |
| ARTS 3340 | Sculpture                              | 3  |
| ARTS      | Upper-level Elective                   | 12 |
| ARTS 4081 | Senior Exhibition                      | 0  |

**Sophomore Review**

Required after completion of 21 hours of ARTS courses.

**Upper level art history** courses include:

ARTS 3349 Medieval Art  
 ARTS 3350 Renaissance Art  
 ARTS 3351 Modern Art

ARTS 3355 Graphic Design History  
ARTS 4350 American Art

Study abroad trips:

ARTS 4391 Italian Art Experience, French Art and Culture, Prague Art and Culture.

### Support Courses – 12 hours

## ART MINOR

### DEGREE REQUIREMENTS

#### Required Courses – 18 hours

6 hours upper level at UMHB

## ART HISTORY MINOR

### DEGREE REQUIREMENTS

#### Required Courses- 18 hours

6 hours of upper level at UMHB

|           |   |   |
|-----------|---|---|
| ARTS 1320 | Design                                      | 3 |
| ARTS 2351 | Art History I                               | 3 |
| ARTS 2352 | Art History II                              | 3 |
| ARTS      | 9 semester hours of upper level Art History | 9 |

## GRAPHIC DESIGN MINOR

### DEGREE REQUIREMENTS

#### Required Courses- 21 hours

6 hours of upper-level at UMHB

|           |                        |   |
|-----------|------------------------|---|
| ARTS 1310 | Drawing I              | 3 |
| ARTS 1320 | Design                 | 3 |
| ARTS 2370 | Digital Art            | 3 |
| ARTS 2375 | Typography             | 3 |
| ARTS 3355 | Graphic Design History | 3 |
| ARTS 3370 | Graphic Design I       | 3 |
|           | One of the following   |   |
| ARTS 4370 | Interactive Design     | 3 |
| ARTS 3375 | Graphic Design II      | 3 |

## Music

**Dr. Jonathan M. Gary, Chairperson**

### Purpose

UMHB Department of Music educates and prepares student-musicians for lives of Christian service and contribution to the art as music educators, performers, church musicians, composers, and scholars; provides and

nurtures a core of musical life for society at large; and educates the overall university (faculty, staff, and students) regarding music's intrinsic value as a part of the human experience and the enrichment of the human spirit.

All musicians, whether performers, composers, scholars, or teachers, share common professional needs. Every musician, to some extent, must be a performer, a listener, a historian, a composer, a theorist, and a teacher. For this reason, certain subject matter and learning processes are common to all baccalaureate degrees in Music. UMHB's undergraduate music curriculum provides the following:

1. A conceptual understanding of such musical properties as sound, rhythm, melody, harmony, texture, and form and opportunities for developing a comprehensive grasp of their interrelationships as they form the cognitive-affective basis for listening, composing, and performing.
2. Repeated opportunities for enacting, in a variety of ways, the roles of listener (analysis), performer (interpretation), composer (creation), and scholar (research).
3. A repertory for study that embraces all cultures and historical periods.

The UMHB Department of Music is accredited by the National Association of Schools of Music and a member of the Texas Association of Music Schools.

### General Information

- No music course in which a grade lower than "C" was obtained will count toward fulfillment of a major or minor in Music.
- Performance majors must earn a "B" or above in their applied area.

### Admission to the Program

Auditions are required for acceptance into the Department of Music. Admission to UMHB does not constitute automatic acceptance into the Department of Music. All music majors and minors must meet the following requirements:

\* Admission to UMHB

\* Completed music application

\* Formal audition (including sight-reading) for the music faculty

Following each audition, the music faculty will determine if the candidate meets UMHB Department of Music standards for acceptance. Transfer students must be accepted into the music program, regardless of transfer credits or classification.



The University establishes requirements for admission to its music programs in conformity with the published regulations and standards of the National Association of Schools of Music.

## Tests and Assessments

Each music degree has several assessments embedded throughout the curriculum. Each must be “passed” before a student may enroll or continue in more advanced music courses:

- 1) Theory Placement Exam
- 2) Applied Juries
- 3) Applied Music Proficiency
- 4) Sophomore Review
- 5) Performance major Proficiency Exam
- 6) Piano Proficiency
- 7) Solo Recital Hearings
- 8) **TEXES Review (MUSI 4006):** Music Education majors must take the TEXES Review course prior to student teaching and must earn a minimum of 80 on the final exam in order to proceed with student teaching.

For more specific information regarding the expectations of successfully completing juries, proficiencies, Credit by Examination, TEXES Review, and the Sophomore Review, see respective syllabi.

## Transfer Credit

**Credit Requirements for Transfer Students** (For general institutional information regarding transfer of courses, see the Registration Policy and Procedures section of this catalog.) Transfer music majors or minors must meet all **Admission to the Program** requirements (see above). Placement in UMHB music courses is determined by:

- A live or taped audition before the music faculty; and
- If deficiencies are revealed, the student will be required to take courses at their demonstrated academic or performance level including the **Piano Proficiency (MUSI 2005) and Applied Principal Proficiency (MUSI 200X)**.
- Credit for music courses from other institutions may be accepted with a minimum grade of “C”.
- In no instance may lower level (1000-2000) courses equate to or substitute for UMHB *upper level (3000-4000) courses*.

## Music Scholarships

During the formal audition for acceptance, students are considered for music scholarship. Music scholarship

renewal for returning students is contingent upon grades, applied performance, and recommendation of the music faculty. Students who have not maintained an overall 3.0 grade point average and/or an overall 3.0 in music courses are ineligible for music scholarship renewal. Scholarships are available for a maximum of 8 semesters (10 semesters for music education majors.)

**ALL SCHOLARSHIP RECIPIENTS** must sign an “Acceptance Agreement” and return it to the music office. Students who do not comply with UMHB’s policies and rules of student conduct will forfeit their scholarship. Ensemble participation is required every semester the scholarship is received. This includes rehearsals, all performances, and concert tours. (Music Education majors are exempt from ensemble enrollment the semester of student teaching.) Students who do not fulfill all ensemble requirements will lose their scholarship.

## Ensembles

Music majors and minors are required to enroll for credit in music ensembles. Ensemble placement is determined by ensemble auditions. Vocal Performance majors must register for six hours of MUEN 1197/3197 – Opera/Musical Theatre Workshop in addition to a major choral ensemble.

## Recitals and Concerts (MUSI 1023 – Performance Lab)

All music majors and minors must attend at least 15 concerts/recitals per semester. Students must register for MUSI 1023 Performance Lab to receive credit for attendance. See respective syllabi for further information.

**Failure to complete all Performance Lab requirements may delay graduation.**

## Level I and Level II Recitals

A thirty-minute Level I Solo Recital (MUSI 3000) is required of all BA in Music, BA in Music Business, Music Education, Church Music and Performance majors. Performance Majors must also present a forty-five minute Level II Recital (MUSI 4000). Music Education majors must present a Level I Recital before the semester of Student Teaching.

## Applied Music (Individual Instruction)

Applied music instruction is intended for music majors and minors. Non-majors wishing to enroll in applied lessons must audition for the Chair of the Department of Music.

Applied music tuition and fees are found in the Financial Information section of this catalog.

UMHB offers applied study in voice, piano, guitar, woodwinds, brass, or percussion for an applied principal. Performance majors may only select piano and voice as a principal.

One 30-minute lesson per week is taught for each semester-hour credit. Thus, two hours of semester credit equals one hour of private instruction per week and three hours of semester credit equates to 90 minutes of instruction each week. Because of the accelerated nature of summer school, however, only one semester hour of credit can be earned per performing medium during a single session. (The maximum applied music credit total allowed per summer session is two hours.) Detailed technique and repertoire requirements for the various grade and credit levels are available from the Area Coordinator for Applied Studies.

## CHURCH MUSIC B.M.

124 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
32 HOURS AT UMHB

### DEGREE REQUIREMENTS

#### Academic Core – 40 hours

see Bachelor of Music Degree Academic Core for Church Music Major

#### Music Foundation – 29 hours

|           |                                       |   |
|-----------|---------------------------------------|---|
| MUSI 1120 | Introduction to Music Technology      | 1 |
| MUSI 1131 | Aural Skills I                        | 1 |
| MUSI 1132 | Aural Skills II                       | 1 |
| MUSI 1219 | Vocal Diction I                       | 2 |
| MUSI 1331 | Theory I                              | 3 |
| MUSI 1332 | Theory II                             | 3 |
| MUSI 2131 | Aural Skills III                      | 1 |
| MUSI 2132 | Aural Skills IV                       | 1 |
| MUSI 2265 | Introduction to Conducting            | 2 |
| MUSI 2331 | Theory III                            | 3 |
| MUSI 2332 | Theory IV                             | 3 |
| MUSI 2352 | Music History I                       | 3 |
| MUSI 3353 | Music History II                      | 3 |
| MUSI 3365 | Advanced Choral Conducting            | 3 |
| MUSI 2358 | World Music                           | 3 |
| MUSI 4223 | Orchestration Form and Analysis       | 2 |
| MUSI 200X | Applied Music Proficiency - Principal | 0 |
| MUSI 200X | Applied Music Proficiency - Secondary | 0 |
| MUAP 3000 | Level 1 Recital                       | 0 |

MUSI 200x: Piano unless Piano is Principal - No hours required, but the student must be enrolled until proficiency is complete

#### Applied Music Principal –14 hours

#### Music Ensembles – 8 hours

See ensemble audition requirements.

#### Performance Lab: 8 semesters

#### Major – 27 hours

|           |  |   |
|-----------|--|---|
| CSMN 1320 | Introduction to Christian Ministry           | 3 |
| MUSI 1180 | Church Music Internship                      | 1 |
| MUSI 2280 | Introduction to Church Music                 | 2 |
| MUSI 2220 | Church Music and Worship Administration      | 2 |
| MUSI 3180 | Church Music Internship                      | 1 |
| MUSI 3363 | Choral Literature                            | 3 |
| MUSI 3344 | History of Church Music and Worship          | 3 |
| MUSI 3381 | The Songs of Worship                         | 3 |
| MUSI 3384 | Intergenerational Music and Worship Ministry | 3 |
| MUSI 4310 | Philosophy of Church Music and Worship       | 3 |
| MUSI 4341 | Worship Design                               | 3 |

#### Vocalists take the following course:

|           |                  |   |
|-----------|------------------|---|
| MUSI 1220 | Vocal Diction II | 2 |
|-----------|------------------|---|

#### Keyboardists and Instrumentalists take the following:

|           |                     |   |
|-----------|---------------------|---|
| MUAP 1107 | Applied Music-Vocal | 1 |
| MUAP 1107 | Applied Music-Vocal | 1 |

No grade lower than a "C" will count towards fulfillment of Music major requirements.

## MUSIC EDUCATION B.M.

#### Instrumental Track – 131 hours

131 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
34 HOURS AT UMHB

#### Choral Track – 134 hours

134 MINIMUM HOURS  
36 UPPER LEVEL HOURS  
34 HOURS AT UMHB

The Music Education Degree is a five year program. Course sequence can be found online or in the Department of Music Handbook.

### DEGREE REQUIREMENTS

#### Academic Core – 40 hours

See Bachelor of Music Degree Academic Core for Music Education Major (p. 90)

#### Music Foundation – 30 hours

|           |                                  |   |
|-----------|----------------------------------|---|
| MUSI 1120 | Introduction to Music Technology | 1 |
| MUSI 1131 | Aural Skills I                   | 1 |

|              |                                     |   |
|--------------|-------------------------------------|---|
| MUSI 1132    | Aural Skills II                     | 1 |
| MUSI 1331    | Theory I                            | 3 |
| MUSI 1332    | Theory II                           | 3 |
| MUSI 2131    | Aural Skills III                    | 1 |
| MUSI 2132    | Aural Skills IV                     | 1 |
| MUSI 2265    | Introduction to Conducting          | 2 |
| MUSI 2331    | Theory III                          | 3 |
| MUSI 2332    | Theory IV                           | 3 |
| MUSI 2352    | Music History I                     | 3 |
| MUSI 3353    | Music History II                    | 3 |
| MUSI 2358    | World Music                         | 3 |
| MUSI 3365    | Advanced Choral Conducting<br>or    | 3 |
| MUSI 3367    | Advanced Instrumental<br>Conducting | 3 |
| MUSI 2005    | Piano Proficiency Exam              | 0 |
| MUSI 200X    | Applied Music Proficiency           |   |
| MUAP<br>3000 | Level 1 Recital                     | 0 |
| MUSI 4223    | Orchestration Form and Analysis     | 2 |

MUSI 3365: required for the choral track

MUSI 3367: required for the instrumental track

#### **Ensembles: 7 hours**

See ensemble audition requirements.

#### **Performance Lab: 7 semesters**

##### **Major (Choral Track) – 18 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| MUSI 1219 | Vocal Diction I                 | 2 |
| MUSI 1220 | Vocal Diction II                | 2 |
| MUSI 2268 | Introduction to Music Education | 2 |
| MUSI 3361 | Elementary Music                | 3 |
| MUSI 3362 | Secondary Music                 | 3 |
| MUSI 3363 | Choral Literature               | 3 |
| MUSI 3377 | Vocal Pedagogy                  | 3 |
| MUSI 4006 | TExES Review                    | 0 |

Plus

Applied Music Principal - 14 hours

##### **Major (Instrumental Track) – 15 hours**

|           |                                 |   |
|-----------|---------------------------------|---|
| MUSI 1160 | Class Brass                     | 1 |
| MUSI 1162 | Class Strings                   | 1 |
| MUSI 1166 | Class Percussion                | 1 |
| MUSI 1168 | Class Woodwind                  | 1 |
| MUSI 2268 | Introduction to Music Education | 2 |
| MUSI 3361 | Elementary Music                | 3 |
| MUSI 3362 | Secondary Music                 | 3 |
| MUSI 3364 | Band and Orchestra Literature   | 3 |
| MUSI 4006 | TExES Review                    | 0 |

Plus

Applied Music Principal: 12 hours

Applied Music Secondary: 2 hours

#### **Professional Development – 21 hours**

|           |                                   |   |
|-----------|-----------------------------------|---|
| EDUC 3315 | Students and Learning             | 3 |
| EDUC 4324 | Classroom Management              | 3 |
| READ 4326 | Disciplinary Literacy             | 3 |
| EDUC 4501 | Student Teaching I                | 5 |
| EDUC 4502 | Student Teaching II               | 5 |
| EDUC 4250 | Certification Preparation Seminar | 2 |

No grade lower than a "C" will count towards fulfillment of Music major requirements

#### **Admission to Teacher Education Program:**

Grade point average (GPA) requirements are as follows:

- A GPA of at least 3.00 is required in each of the following areas on a student's degree plan, each area computed separately and individually, AND no grade lower than a "C" will be accepted in any of the following areas: (1) professional development in elementary, middle, secondary, interdisciplinary studies and all-level; (2) certification area(s) in secondary, and all-level art, music, physical education, and Spanish;
- The cumulative GPA must be a minimum of 2.75.

**Note:** Students must fulfill *all* core curriculum requirements. If strongly recommended options are not selected, other appropriate courses must be selected to complete the block(s).

No grade lower than a "C" will count towards fulfillment of Music major requirements.

#### **PERFORMANCE B.M.**

127-128 MINIMUM HOURS

36 UPPER LEVEL HOURS

32 HOURS AT UMHB

#### **DEGREE REQUIREMENTS**

##### **Academic Core – 40 hours**

See Bachelor of Music Degree Academic Core for Performance Major (p. 90)

##### **Music Foundation – 27 hours**

|           |                                  |   |
|-----------|----------------------------------|---|
| MUSI 1120 | Introduction to Music Technology | 1 |
| MUSI 1131 | Aural Skills I                   | 1 |
| MUSI 1132 | Aural Skills II                  | 1 |
| MUSI 1331 | Theory I                         | 3 |
| MUSI 1332 | Theory II                        | 3 |
| MUSI 2131 | Aural Skills III                 | 1 |
| MUSI 2132 | Aural Skills IV                  | 1 |
| MUSI 2265 | Introduction to Conducting       | 2 |
| MUSI 2331 | Theory III                       | 3 |
| MUSI 2332 | Theory IV                        | 3 |
| MUSI 2352 | Music History I                  | 3 |
| MUSI 3353 | Music History II                 | 3 |

|           |                                       |   |
|-----------|---------------------------------------|---|
| MUSI 200X | Applied Music Proficiency - Principal | 0 |
| MUSI 200X | Applied Music Proficiency - Secondary | 0 |
| MUAP 3000 | Level 1 Recital                       | 0 |
| MUAP 4000 | Level 2 Recital                       | 0 |
| MUSI 4223 | Orchestration Form and Analysis       | 2 |

**Applied Music Principal – 22 hours****Ensembles – 14 hours (Voice students) or 16 hours (Piano students)**

Voice students are required to take 14 hours of ensemble.

Piano students are required to take 16 hours of ensemble.

See ensemble audition requirements.

**Performance Lab: 8 semesters****Major (Voice) – 13 hours**

|           |                                    |   |
|-----------|------------------------------------|---|
| MUSI 1219 | Vocal Diction I                    | 2 |
| MUSI 1220 | Vocal Diction II                   | 2 |
| MUSI 3377 | Vocal Pedagogy                     | 3 |
| MUSI 3140 | Advanced Diction: French           | 1 |
| MUSI 3240 | Advanced Diction: Italian & German | 2 |
| MUSI 4355 | Vocal Literature                   | 3 |

No grade lower than a "C" will count towards fulfillment of Music major requirements.

Minimum credit hours for this degree: 127 (Voice) or 128 (Piano)

**MUSIC B.A.**

120 MINIMUM HOURS  
30 UPPER LEVEL HOURS  
30 HOURS AT UMHB

**DEGREE REQUIREMENTS****Academic Core – 60 hours**

See Bachelor of Arts Academic Core (p. 86)

MUSI 2358 will fulfill World Cultures

**Music Major – 47 hours**

|           |                            |   |
|-----------|----------------------------|---|
| MUSI 1131 | Aural Skills I             | 1 |
| MUSI 1132 | Aural Skills II            | 1 |
| MUSI 1331 | Theory I                   | 3 |
| MUSI 1332 | Theory II                  | 3 |
| MUSI 2131 | Aural Skills III           | 1 |
| MUSI 2265 | Introduction to Conducting | 2 |
| MUSI 2331 | Theory III                 | 3 |

|           |                                 |   |
|-----------|---------------------------------|---|
| MUSI 2352 | Music History I                 | 3 |
| MUSI 3353 | Music History II                | 3 |
| MUSI 4223 | Orchestration Form and Analysis | 2 |
| MUSI 200X | Applied Music Proficiency       |   |
| MUAP 3000 | Level 1 Recital                 | 0 |

**Applied Music Principal – 10 hours****Applied Music Secondary – 2 hours****Ensembles – 6 hours****Performance Lab – 6 semesters****Music Electives – 7 hours****Electives**

to complete 120 hours and 30 upper level hours

No grade lower than a "C" will count towards fulfillment of Music major requirements.

**BA MUSIC WITH AN EMPHASIS IN MUSIC BUSINESS****DEGREE REQUIREMENTS****Academic Core – 60 hours**

See Bachelor of Arts Academic Core (p. 86)

MUSI 2358 will fulfill World Cultures

**Music Business- 53 hours**

|           |                                  |   |
|-----------|----------------------------------|---|
| MUSI 1120 | Introduction to Music Technology | 1 |
| MUSI 1131 | Aural Skills I                   | 1 |
| MUSI 1132 | Aural Skills II                  | 1 |
| MUSI 1331 | Theory I                         | 3 |
| MUSI 1332 | Theory II                        | 3 |
| MUSI 2000 | Sophomore Review                 | 0 |
| MUSI 2131 | Aural Skills III                 | 1 |
| MUSI 2265 | Introduction to Conducting       | 2 |
| MUSI 2331 | Theory III                       | 3 |
| MUSI 2352 | Music History I                  | 3 |
| MUSI 3353 | Music History II                 | 3 |
| MUSI 4295 | Recording Arts Internship        | 2 |
| MUSI 4370 | Survey of Music Business         | 3 |
| MUSI 4385 | Music Business Senior Project    | 3 |
| BACC 2310 | Survey of Accounting             | 3 |
| BADM 1301 | Introduction to Business         | 3 |
| BMGT 3310 | Fundamentals of Management       | 3 |
| BMKT 3311 | Principles of Marketing          | 3 |

**Applied Music Principal – 8 hours****Ensembles – 4 hours****Performance Lab – 6 semesters****Electives**

to complete 120 hours and 30 upper level hours

**MUSIC MINOR-19 HOURS****DEGREE REQUIREMENTS****Music Foundation – 8 hours**

|           |                  |   |
|-----------|------------------|---|
| MUSI 1131 | Aural Skills I   | 1 |
| MUSI 1132 | Aural Skills II  | 1 |
| MUSI 1331 | Theory I         | 3 |
| MUSI 3353 | Music History II | 3 |

**Applied Principal: 4 credit hours****Ensembles: 4 credit hours**

1 lower-level credit hour; 3 upper-level credit hours

**Performance Lab: 2 semesters****3 hours of electives**

Any music course based upon meeting the prerequisite.

**CHURCH MUSIC MINOR - 24 HOURS****DEGREE REQUIREMENTS****Music Foundation- 8 hours**

|           |  |   |
|-----------|--|---|
| MUSI 1131 | Aural Skills I                         | 1 |
| MUSI 1132 | Aural Skills II                        | 1 |
| MUSI 1331 | Theory I                               | 3 |
| MUSI 3344 | History of Church Music and<br>Worship | 3 |

**Applied Principal-4 credit hours****Ensembles- 2 credit hours****Church Music- 10 hours**

|           |   |   |
|-----------|---|---|
| MUSI 2280 | Introduction to Church Music                    | 2 |
| MUSI 2220 | Church Music and Worship<br>Administration      | 2 |
| MUSI 3384 | Intergenerational Music and<br>Worship Ministry | 3 |
| MUSI 4341 | Worship Design                                  | 3 |

## UNDERGRADUATE COURSES

### Ad Interim Courses

Departments may offer courses ad interim upon approval of the respective department chair, associate dean, and/or dean. These courses may include Selected Topics, Seminars, Special Problems, Special Studies, Special Topics, etc. as well as Independent Learning, Independent Research, Independent Study(ies), etc.

Selected Topics, Seminars, Special Problems, Special Studies, Special Topics, and other courses of this type may be offered to provide content of particular interest, importance, relevance, etc. Such courses may be offered ad interim twice. Once courses of this type have been offered twice, departments must obtain official approval of subsequent offerings via submission of curriculum change proposals for new courses. Courses of this type are generally offered due to some unusual circumstance; they are scheduled like typical courses and intended for general enrollment.

Independent Learning, Independent Research, Independent Study(ies), and other courses of this type may be offered to enable enrollment of a single student in an officially approved course or to provide individualized content. Courses of this type are not intended for general enrollment and usually meet apart from the standard weekly class schedule. Independent study is typically approved only for students of high achievement (generally requiring a cumulative GPA of 3.0 or higher) and motivation, inasmuch as it requires more time, concentration, and initiative for successful completion. A course in which a student has previously earned a grade of a "D" or "F" generally may not be repeated through independent study, unless the course in question is only offered through independent study or approved by the Dean of the College which provides the course. A course that is being offered during a particular semester cannot normally be taken by independent study.

Any officially approved course prefixes (ARTS, BMGT, CSBS, ENGL, MATH, NURS, READ, etc.) may be selected. The courses may be offered at any level (0=developmental, 1=freshman, 2=sophomore, 3=junior, 4=senior, etc.) and for any number of semester credit hours ranging from 0 to 9.

The placeholder for Topics courses offered ad interim is XXXX XX9X: course prefix, course level, semester credit hours, and a two digit number to signify the temporary

status of the course (90, 91, 99, etc.). Examples of course numbers for non-singular enrollment ad interim courses include BIOL 4090-01; ENGL 0191-01; EXSS 2391-01; and NURS 3691-01.

Courses which are offered as an independent study to a single student will be offered as their officially approved course numbers, but the section number will be "IS." Examples of numbers for courses of this type include BFIN 4345-IS; MUSI 3289-IS; and PHIL 2315-IS.

Courses offered ad interim are subject to all applicable tuition and fee charges.

### AERO - Aerospace Studies

#### AERO 1101 - Heritage and Values I (1)

A survey course designed to introduce students to general aspects of the Department of the Air Force, AF Leadership, AF benefits, and opportunities for AF officers. The course also lays the foundation for becoming an Airman by outlining our heritage and values. The application of professional communication skills is included. Laboratory (AERO 1111) required for AFROTC students.

Distribution: Aerospace.

#### AERO 1102 - Heritage and Values II (1)

A continuation of AERO 1101. A survey course designed to provide students with a historical perspective such as lessons on war and US military, AF operations, principles of war, and airpower. As a whole, this course provides students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. Laboratory (AERO 1112) required for AFROTC students.

Distribution: Aerospace.

#### AERO 1111 - Leadership Laboratory (1)

A study of Air Force customs and courtesies, drill and ceremonies, career opportunities in the Air Force, and the life and work of an Air Force commissioned officers. Field trips to Air Force installations may be included when funding permits. Physical training and fitness evaluations are required. Instruction is conducted within the framework of an organized cadet corps with a progression of experiences designed to develop leadership potential. Corequisite: Concurrent enrollment in AERO 1101.

Distribution: Aerospace.

**AERO 1112 - Leadership Laboratory (1)**

A continuation of AERO 1111. Corequisite: Concurrent enrollment in AERO 1102.

Distribution: Aerospace.

**AERO 2101 - Team and Leadership Fundamentals I (1)**

A survey course requiring students to apply leadership perspectives when completing team building activities and discussing topics like listening, followership, full range leadership, problem solving, and standards and accountability. The application of professional communication skills is included. Laboratory (AERO 2111) required for AFROTC students.

Distribution: Aerospace.

**AERO 2102 - Team and Leadership Fundamentals II (1)**

A continuation of AERO 2101. The course requires students to apply leadership perspectives when completing team building activities and discussing topics like conflict management, human relations, and ethical decision-making. The application of professional communication skills is included. Laboratory (AERO 2112) required for AFROTC students.

Distribution: Aerospace.

**AERO 2111 - Leadership Laboratory (1)**

A continuation of AERO 1112. Corequisite: Concurrent enrollment in AERO 2101.

Distribution: Aerospace.

**AERO 2112 - Leadership Laboratory (1)**

A continuation of AERO 2111. Corequisite: Concurrent enrollment in AERO 2102.

Distribution: Aerospace.

**AERO 3111 - Leadership Laboratory (1)**

A continuation of AERO 2111. Corequisite: Concurrent enrollment in AERO 3301.

Distribution: Aerospace.

**AERO 3112 - Leadership Laboratory (1)**

A continuation of AERO 3111. Corequisite: Concurrent enrollment in AERO 3302.

Distribution: Aerospace.

**AERO 3301 - Leading People and Effective Communication I (3)**

A study of advanced skills and knowledge in management and leadership. Special emphasis is placed on effectively leading people and learning tools to apply in AERO 3111.

The application of professional communication skills is included. Corequisite: Concurrent laboratory AERO (3111) enrollment required for AFROTC students.

Distribution: Aerospace.

**AERO 3302 - Leading People and Effective Communication II (3)**

A continuation of AERO 3301. The course continues into advanced leadership skills and ethics training with the goal of preparing students for officership and supervision. Corequisite: Concurrent laboratory AERO (3111) enrollment required for AFROTC students.

Distribution: Aerospace.

**AERO 4111 - Leadership Laboratory (1)**

A continuation of AERO 3112. Corequisite: Concurrent enrollment in AERO 4301.

Distribution: Aerospace.

**AERO 4112 - Leadership Laboratory (1)**

A continuation of AERO 4001. Corequisite: Concurrent enrollment in AERO 4302.

Distribution: Aerospace.

**AERO 4301 - National Security (3)**

A study of the basic elements of national security policy and process. The course explores air and space power operations as well as selected roles of the military in society and current domestic and international issues affecting the military profession. Special emphasis is placed on speaking and writing skills in the unique military-style format. Concurrent enrollment in AERO 4111 is required for AFROTC students. This course may also be taken by non-AFROTC students without the lab. Prerequisite: upper-level standing or consent of instructor.

Distribution: Aerospace.

**AERO 4302 - Leadership Responsibilities & Commissioning Preparation (3)**

This course prepares the student for active duty through the study of the responsibility, authority, and functions of an Air Force commander as well as selected provisions of the military justice system. Special emphasis is placed on speaking and writing skills in the unique military-style format. Laboratory (AERO 4112) enrollment required for AFROTC students.

Distribution: Aerospace.

## ARCH - Archaeology

### ARCH 4335 - Archaeology of Ancient Greece and Rome (3)

The course examines the cultural remains discovered through archaeological excavations in ancient Greece and Rome. Important elements in the study include social and political institutions, religion, and literature of the regions. Students will study representative sites from the Minoan civilization through the rule of Constantine.

Distribution: Christian Studies.

### ARCH 4345 - Archaeology of Syria-Palestine (3)

The course examines the cultural remains of ancient Syria-Palestine through the study of representative archaeological sites in the Levant and neighboring regions. Students will review materials related to archaeological site dating from the Neolithic period to the end of the second century CE.

Distribution: Christian Studies.

## ARTS - Art

### ARTS 1310 - Drawing I (3)

Investigates a variety of techniques, media, and subjects. Explores perceptual and descriptive possibilities. May not be repeated for credit. Fee.

Distribution: Visual and Performing Arts.

### ARTS 1320 - Design (3)

Emphasis on two-dimensional design, including the elements of line, color, form, texture, and space as they relate to balance, unity, rhythm, and contrast. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### ARTS 1325 - Color Theory (3)

Emphasis on color systems and vocabulary for analyzing color phenomena, properties and relationships. The use of color by various artists and theorists are examined. The ability to utilize color in a variety of media and disciplines is emphasized. Recommended before ARTS 2320 Painting I. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### ARTS 1350 - Art Appreciation (3)

A general overview of the visual arts with emphasis on developing appreciation and understanding of the various methods and styles of art. Students with little or no art background are welcome. May not be repeated for credit.

Distribution: Visual and Performing Arts.

### ARTS 2000 - Sophomore Review (0)

Required of all BFA and BA Art Majors, this prepares students for upper level course work and to support academic and artistic success. Successful completion of this requirement allows students to proceed as upper-level art majors. When a student has completed at least 21 hours of ARTS courses, he/she is considered an "Art Sophomore" for the purpose of the review process. Actual class standing may vary according to the registrar. It is expected that Art Sophomores complete Drawing I, Drawing II, Design, Color Theory, Art History I or II, 3-D Design and Painting I before registering for Sophomore Review. Slight variations on completed courses may occur.

Distribution: Visual and Performing Arts.

### ARTS 2311 - Drawing II (3)

Further exploration of the language of drawing, and use of techniques and concepts introduced in ARTS 1310. Emphasis is on more complex problem solving in the visual interpretation of natural and fabricated forms. Students will use a variety of graphic drawing media. Prerequisite: ARTS 1301, or permission of instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### ARTS 2320 - Painting I (3)

Explores the potentials of painting media, emphasizing color and composition. Prerequisites: ARTS 1310 and ARTS 1320 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### ARTS 2322 - Photography I (3)

Basic concepts and techniques of digital photography as an art medium. May repeat for credit. Fee. \$30

Distribution: Visual and Performing Arts.

### ARTS 2340 - 3D Design (3)

Emphasis upon three-dimensional design including form, texture, and space as they relate to balance, unity, and contrast. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### ARTS 2351 - Art History I (3)

A chronological survey of the visual arts exploring purposes and processes. Includes an examination of paintings, sculptures, architecture, and other arts through the Middle Ages. Non-western areas will be covered including but not limited to Asian and Mesoamerican art. May not be repeated for credit.

Distribution: Visual and Performing Arts.



**ARTS 2352 - Art History II (3)**

A chronological survey of paintings, sculptures, architecture, and other visual arts encompassing the Renaissance through Modern periods. Non-western areas will be covered including but not limited to Asian and Mesoamerican art. This course qualifies as Writing Emphasis. May not be repeated for credit.

Distribution: Visual and Performing Arts.

**ARTS 2360 - Ceramics I (3)**

An introduction to basic ceramic processes with a focus on hand-building techniques and glazing. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 2370 - Digital Art (3)**

This course introduces students to the production of vector, raster, and motion graphics. The creation, editing, and distribution of visual information is examined as both a skill and a form of critical, cultural production. Presentations, critiques, class discussions, and reading and writing assignments allow the student to develop a vocabulary and a critical framework for speaking about artistic skills, techniques, and practices. Historical and contemporary cultural literacy is emphasized. Discussions and critiques address the nature of digital image production- and consumption, with topics of special interest including: image inundation, the production of images as visual content, and the distinguishing characteristics of visual knowledge. Prerequisites: ARTS 1310 and ARTS 1320 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 2375 - Typography (3)**

Historical overview of type and letterforms; introduction to professional typography in print and digital environments; primary focus will be application to the contemporary communications and software introduction to InDesign. Prerequisites: ARTS 1310, ARTS 1320, ARTS 2370 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 2354 - World Art (3)**

A survey of art created in the Middle and Near East, India, Southeast Asia, China, Japan, Korea, the Pacific, Africa, and the Americas. Students in this course are introduced to art produced outside the so-called "western tradition." Material covered in the class will be art created in the past along with works created by current artists. Students will study how the various artistic traditions changed over time as a result of new creative methods, media, and global

trade. May not be repeated for credit.

Distribution: Visual and Performing Arts.

**ARTS 3310 - Printmaking I: Relief and Screen Print (3)**

An introduction to basic printmaking processes of relief and silkscreen printing. Students are introduced to a number of short projects designed to give a broad experience with the media. Screen Printing will be offered in the fall semester and Relief will be offered in the spring semester. Additional topics include print presentation, care of tools and materials, and a historical survey of printmaking. Prerequisite ARTS 1310 and 1320 or permission of instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3311 - Life Drawing (3)**

Continuation of ARTS 2311 exploring various expressive aspects of the human figure. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3315 - Book Arts (3)**

Study and creation of handmade books with emphasis on sound conservation techniques and good craftsmanship. Students learn both traditional and contemporary book structures, letterpress, and binding techniques while creating books with unique and original content. Prerequisites: ARTS 1310, 1320, and 1325. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3320 - Painting II (3)**

Studies in various problems and media according to individual need. Prerequisite: ARTS 2320. May repeat for credit. Lab fee.

Distribution: Visual and Performing Arts.

**ARTS 3322 - Photography II (3)**

Further studies in photography. Prerequisite: ARTS 2322 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3325 - Mixed Media Collage (3)**

Exploration of experimental and inventive approaches of various materials and techniques related to collage. Students will investigate the dynamics of design, composition, and aesthetic concerns related to the boundary between painting and drawing while combining materials in unique ways. May repeat for credit. Prerequisites: ARTS 1310, 1320, and 1325. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3331 - Elementary Art (3)**

Art for the elementary classroom teacher. Twenty (20) hours of field experience (observation in public school art classes is required). May not be repeated for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3332 - Secondary Art (3)**

Art for the junior and senior high school teacher. Emphasis on the design, organization, and presentation of curricula materials. Twenty (20) hours of field experience (observation in public school art classes is required). May not be repeated for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3340 - Sculpture (3)**

Exploration of traditional and contemporary sculptural mediums. Prerequisite: ARTS 2340 May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3345 - Art Metals I (3)**

(Jewelry/Metalworking) Introduction to the language of small-scale three-dimensional form and space through hands-on creative studio experience exploring design, construction and casting techniques. Prerequisite: ARTS 1310 and ARTS 1320 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3349 - Medieval Art (3)**

A survey of art created between approximately 300 and 1400. Typically characterized as the “age of faith” and “the Dark Ages,” medieval European society was more complex, nuanced, and diverse than the simplified impressions fostered by succeeding centuries. This course will examine the styles, trends, and subjects created by the many cultures that occupied medieval Europe. Students will also explore the transmission of artistic developments throughout Europe and beyond. May not be repeated for credit.

Distribution: Visual and Performing Arts.

**ARTS 3350 - Renaissance Art (3)**

A survey of art created between approximately 300 and 1400. Typically characterized as the “age of faith” and “the Dark Ages,” medieval European society was more complex, nuanced, and diverse than the simplified impressions fostered by succeeding centuries. This course will examine the styles, trends, and subjects created by the many cultures that occupied medieval Europe. Students will also explore the transmission of artistic developments throughout Europe and beyond. May not be repeated for credit.

Distribution: Visual and Performing Arts.

**ARTS 3351 - Modern Art (3)**

A survey of art from the 19th century to the present. This course qualifies as Writing Emphasis. May not be repeated for credit.

Distribution: Visual and Performing Arts.

**ARTS 3355 - Graphic Design History (3)**

A chronological survey of the development of graphic design and visual communication. May not be repeated for credit.

Distribution: Visual and Performing Arts.

**ARTS 3360 - Ceramics II (3)**

An introduction to wheel-thrown ceramics and glazing techniques.. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3370 - Graphic Design I (3)**

This course introduces students to graphic design as a form of visual knowledge production, documentation, and communication. Historical and contemporary cultural literacy is emphasized. Digital print and screen-based projects familiarize students with the process of problem discovery, creation, setting, and solving. Presentations, critiques, reading assignments, and class discussions allow the student to develop a vocabulary and a critical framework for speaking about and developing design skills, techniques, and practices. Prerequisites: ARTS 2375, 2370, or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3375 - Graphic Design II (3)**

This course covers intermediate level graphic design as a form of visual knowledge production, documentation, and communication. Historical and contemporary cultural literacy is emphasized. Digital print and screen-based projects familiarize students with the process of problem discovery, creation, setting, and solving. Presentations, critiques, reading assignments, and class discussions allow the student to develop a vocabulary and a critical framework for speaking about and developing design skills, techniques, and practices. May repeat for credit. Prerequisite: ARTS 3370 or permission of the instructor. Fee.

Distribution: Visual and Performing Arts.

**ARTS 3380 - Glass Blowing (3)**

Development of individual directions and exploration of various techniques in warm and hot glass process. Basic techniques of offhand glass blowing and lampworking.

Prerequisite: permission of instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4081 - Senior Exhibition (0)**

Capstone course required of all B.A. and B.F.A. Art majors. Preparation of a portfolio, artist's statement and exhibition of selected works. Students develop a critical approach to viewing, exhibiting and thinking about art as well as familiarizing them with the basics of the business of art. Students complete self-directed projects in either two- or three-dimensional disciplines, meet regularly for collective review and criticism, and focus on problems related to the development and continuity of portfolios. The success completion of this requirement is a prerequisite for graduation for Arts majors. Pre-requisite: For BFA candidates a grade of at least a "B" in ARTS 4380 Senior Studio.

Distribution: Visual and Performing Arts.

### **ARTS 4310 - Printmaking II: Intaglio and Lithog (3)**

An introduction to basic printmaking processes of intaglio and lithography. Students are introduced to a number of short projects designed to give a broad experience with the media: methods of platemaking, such as etching, drypoint, and aquatint; also hand-drawn imagery and transfer on to metal and stone lithography surfaces. Additional topics include print presentation, care of tools and materials, and a historical survey of printmaking. Prerequisite ARTS 1310 and 1320 or permission of instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4311 - Advanced Drawing Problems (3)**

Explores aspects of drawing that are of special interest. Prerequisite: Two previous drawing courses or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4320 - Painting III (3)**

Studies in various media according to individual need. Prerequisite: ARTS 3320. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4325 - Watercolor (3)**

Exploration of transparent watercolor techniques. Students with competent drawing skills will use water media to explore art concepts stressing individual thematic projects. Prerequisite: ARTS 1310, 3320, 2320. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4345 - Art Metals II (3)**

Further studies in Art Metals. Prerequisite: ARTS 3345 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4350 - American Art (3)**

A history of American architecture, painting, and sculpture from the colonial period to the present. May not be repeated for credit.

Distribution: Visual and Performing Arts.

### **ARTS 4360 - Ceramics III (3)**

An advanced study in ceramics intended to broaden with clay techniques and glazing and kiln firing while increasing knowledge of ceramics as an art form. Historical and contemporary works are emphasized. Health and safety concerns are stressed. Prerequisites: ARTS 2360, or ARTS 3360 or permission of instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4370 - Interactive Design (3)**

This course introduces web design (prompt and feedback), motion graphics, generative art, UI/UX design principles, systems design, and Processing. Instruction in HTML, CSS, and some JavaScript. The creation, editing, and distribution of visual information is examined as both a skill and a form of critical, cultural production. Presentations, critiques, class discussions, and reading and writing assignments allow the student to develop a vocabulary and a critical framework for speaking about artistic skills, techniques, and practices. Historical and contemporary cultural literacy is emphasized. Discussions and critiques address the nature of digital image production-and consumption, with topics of special interest including: image inundation, the production of images as visual content, and the distinguishing characteristics of visual knowledge. Prerequisite: ARTS 3375 or permission of the instructor. May repeat for credit. Fee.

### **ARTS 4373 - Graphic Design III (3)**

This course covers advanced graphic design as a form of visual knowledge production, documentation, and communication. Historical and contemporary cultural literacy is emphasized. Digital, web-based, motion graphics, generative design, and UI/UX design projects familiarize students with the process of problem discovery, creation, setting, and solving. Presentations, critiques, reading assignments, and class discussions allow the student to develop a vocabulary and a critical framework for speaking about design skills, techniques, and practices. Prerequisite: ARTS 4370 or permission of the instructor. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4375 - Applied Graphic Design (3)**

This course provides students with an opportunity to work on visual communication and graphic design projects for on- and off-campus organizations, institutions, and groups. Prerequisite: ARTS 3375 or permission of the instructor. May be used in place of 4395 Internship in Graphic Design. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4379 - Senior Design Studio (3)**

Capstone course required of all B.F.A. Graphic Design Majors. This course is to be taken the semester before ARTS 4081 Senior Exhibition. Prepares students for stepping into the graphic design workforce and/or graduate programs. Participants review and reflect on the integration into their professional lives critical and creative thinking skills and strategies. Students demonstrate competencies in the process and stages of working toward a cohesive design sense; writing an artist's statement; and preparation for advanced study. Taken the semester before ARTS 4081 Senior Exhibition. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4380 - Senior Studio (3)**

Capstone course required of all B.F.A. Art majors taken the semester before ARTS 4081 Senior Exhibition. Prepares students for lives as working visual artists and graduate programs. Participants review and reflect on the integration into their professional lives critical and creative thinking skills and strategies. Students demonstrate competencies in the process and stages of working toward a cohesive body of work; writing an artist's statement; and preparation for advanced study. Taken the semester before ARTS 4081 Senior Exhibition. May repeat for credit. Fee.

Distribution: Visual and Performing Arts.

### **ARTS 4395 - Internship in Graphic Design (3)**

Supervised professional experience in an ad agency, design studio, or business (paid or unpaid) as a means of preparing the student for a career goal in graphic design or further studies. Prerequisite: ARTS 3375 or permission of the instructor. May be used in place of ARTS 4375 Applied Graphic Design.

Distribution: Visual and Performing Arts.

## **BACC - Accounting**

### **BACC 2310 - Survey of Accounting (3)**

An overview of financial and managerial accounting for business professionals. Students learn concepts and techniques to gather, organize, interpret, and analyze financial and non-financial information for planning, controlling, and decision-making. Prerequisites: Sophomore standing and a grade of "C" or better in BCIS1301 or concurrent enrollment.

Distribution: Business.

### **BACC 2311 - Financial Accounting (3)**

An introduction to financial accounting, including the accounting cycle and the related study of asset and equity valuations for the primary financial statements of financial position, income, and cash flow. Prerequisites: Sophomore standing and a grade of "C" or better in Math 1306 or concurrent enrollment in Math 1306.

Distribution: Business.

### **BACC 2312 - Managerial Accounting (3)**

An introduction to managerial accounting, including financial analysis, budgeting, job and process costing, standard costing, and other methods used by business professionals to obtain information for effective and efficient operations in today's environment. Prerequisites: A grade of "C" or better in BACC 2311 and Math 1306.

Distribution: Business.

### **BACC 3321 - Intermediate Accounting I (3)**

An in-depth study of the accounting cycle and the related study of asset and equity valuations for the primary financial statements and content presentation. Particular emphasis placed on the operating cycle, related assets, revenue recognition, income measurements and the application of the time value of money including annuities. Prerequisite: A grade of "C" or better in BACC 2310.

Distribution: Business.

### **BACC 3322 - Intermediate Accounting II (3)**

A continuation of BACC 3321, with particular emphasis on cash and receivables, inventories and inventories measurements, valuation and acquisition of PPE and intangible assets including utilization and dispositions, and stock and bond investments. Prerequisite: A grade of C or better in BACC 3321.

Distribution: Business.

### **BACC 3324 - Federal Income Taxation for Individuals (3)**

The study of Federal Income Tax laws relating to individuals. This course also studies current tax code concepts, issues, and regulations and the resulting

consequences and liabilities to a financial planner's clients. The course explores the structure of the tax code as it pertains to the taxation of individuals, and their proprietorships. The course also explores tax management techniques such as excluding income, deferring income, shifting income, and managing or timing income. Students will develop tax planning strategies to manage tax liability and to accumulate assets while minimizing tax consequences. Prerequisite: A grade of "C" or better in BACC 2310 and junior standing.

Distribution: Business.

### **BACC 3325 - Federal Income Taxation for Business Entities (3)**

A continuation of BACC 3324, with emphasis on property transactions, partnerships, and corporations. Prerequisite: A grade of "C" or better in BACC 3324 and junior standing.

Distribution: Business.

### **BACC 3327 - Small Business Accounting (3)**

Introduces accounting techniques used by small businesses to obtain information for efficient operations in today's environment. The course explores using an automated accounting information system to help facilitate business record keeping. Emphasis is on invoicing customers, maintaining accounts receivable and accounts payable, tracking inventory, creating purchase orders, preparing payroll, and evaluating financial reports for management, journal entries, and adjusting entries.

Distribution: Business.

### **BACC 3329 - Accounting Information Systems (3)**

An in-depth study of accounting information systems, including an historical perspective, concepts and definitions, the need for accounting information systems, analysis of the system environment, and design and implementation with a focus on accounting information systems and integration with other management systems. Prerequisites: A grade of "C" or better in BACC 3322 .

Distribution: Business.

### **BACC 3333 - Intermediate Accounting III (3)**

A continuation of BACC 3322, with particular emphasis on leases, accounting for income taxes, pensions and postretirement benefits, stockholders' equity, earnings per share, and the Statement of Cash Flows. Prerequisite: A grade of C or better in BACC 3322 - Intermediate II. Distribution: Business.

Distribution: Business.

### **BACC 3335 - Accounting Communications (3)**

An in-depth study of effective business writing principles focused on organization, clarity, and conciseness. Emphasis is placed on ability to exchange technical information and ideas with co-workers, other professionals, and clients to recognize and understand the implications of critical business issues. Students will produce audit reports, cross reference documents, statements of financial condition, and other common documents produced in the practice of public accounting. Prerequisite: a grade of "C" or higher in BACC 3322.

Distribution: Business.

### **BACC 4323 - Cost Accounting (3)**

A study of the theories and practices of cost accounting as they relate to cost-finding systems. The effects on fixed budgets of historical costs and predetermined standard costs are explored. Managerial use of cost data is emphasized. Prerequisite: A grade of "C" or better in BACC 3321.

Distribution: Business.

### **BACC 4331 - Auditing I (3)**

Introduction to auditing from a management perspective. Emphasis is on auditing techniques in general with applications for both external and internal auditing. Topics include criteria for audits, audit planning and procedures, risk and performance measurement, business activity and process evaluation, audit communications, and fraud investigation. Prerequisite: A grade of "C" or better in BACC 3323. Accounting Majors Only.

Distribution: Business.

### **BACC 4332 - Advanced Accounting (3)**

Students will produce presentations (written and/or verbal) of selected accounting topics and a study of consolidated financial statements, partnerships, foreign currency transactions, and transactions of foreign affiliates. Prerequisites: A grade of "C" or better in BACC 3333.

Distribution: Business.

### **BACC 4341 - Financial Statement Analysis (3)**

A study of the keys to effective analysis of financial statements and the tools needed to make relevant decisions. The student will learn how investors, creditors, consultants, managers, auditors, directors, regulators, etc. use financial statements to make business decisions. A focus of the course is to demonstrate the relevance of such analysis with applications to real world companies. Prerequisite: "C" or better in BACC 3322 or BFIN 3333. (Same as BFIN 4341).

Distribution: Business.

**BACC 4342 - CPA Review (3)**

A study of advanced problems given by the American Institute of Certified Public Accountants in the CPA examination. The course provides a comprehensive review of salient concepts from the entire accounting curriculum. Prerequisite: A grade of "C" or better in BACC 3333 or permission of instructor. Lab fee.

Distribution: Business.

**BACC 4350 - Ethics for Accountants (3)**

Emphasis of the course includes ethical issues that relate to accounting. Areas of discussion include ethical reasoning, integrity, objectivity, independence and other core values. Prerequisite: A grade of "C" or better in BACC 3333.

Distribution: Business.

**BACC 4352 - Accounting Research (3)**

The review and elaboration of Accounting Principles using authoritative literature and pronouncements, to reach a conclusion or make a decision about various accounting topics. This course will analyze accounting and taxation issues by reviewing information, using empirical data and analytical methods, recognizing data in patterned activities, forecasting, and integrating data for professional accounting services, or professional accounting work for clients and/or employers. Prerequisite: A grade of "C" or better in BACC 3333.

Distribution: Business.

**BACC 4395 - Internship (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activities as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisites: Junior standing, 3.0 GPA in major and overall, and the consent of the Associate Dean.

Distribution: Business.

**BADM - Business Administration****BADM 1301 - Introduction to Business (3)**

This foundation course for all business majors introduces the concept of business as a wealth-creating institution, examines the Biblical and economic antecedents of business, and explores the idea of business as calling. The disciplines in which students may major are introduced as different facets of an integrated business framework.

Distribution: Business.

**BADM 2311 - Personal Financial Planning (3)**

This course is designed as an introduction to personal finance, with its application in consumer financial decision making. Topics include strategies for budgeting, saving, taxation, consumer banking, consumer insurance products, credit management, automobile purchases, home ownership, and retirement planning. Interrelationships between different sectors of personal finance will be studied to aid in comprehensive wealth management.

Distribution: Business.

**BADM 2312 - Communication in Business (3)**

This course introduces theories, techniques, and practices in business communication. Emphasis is on clear, logical, effective written and oral communications. Prerequisites: A Public speaking course, both ENGL 1321 and 1322, and BCIS 1301.

Distribution: Business.

**BADM 3311 - Global Competition and International Business (3)**

This course examines the basic issues of global competition and international business. It studies the reasons for international trade and investment, and describes a framework for understanding the operations of a multinational corporation. Prerequisite: Junior standing.

Distribution: Business.

**BADM 3312 - Business Communication and Professional Etiquette (3)**

This course examines applied techniques and practices in business communication, including the presentation of clear, logical, and effective written and oral communications. Emphasis is placed on the integration of professional business etiquette. Prerequisite: A Public speaking course, and both ENGL 1321 and 1322.

Distribution: Business.

**BADM 3325 - Global Impact Enterprise (3)**

This course focuses on the role of impact enterprises in community development within a global context. Theoretical study and field-based research will be utilized in the course. Students will conduct conceptual and practical field-based research in a classroom or study abroad setting.

Distribution: Business.

**BADM 3351 - Culture and Global Business (3)**

This course focuses on the dramatic impact that culture has on business, commerce, and trade practices in organizations across the globe. Cultural immersion will be utilized in the course for practical comparison purposes. Prerequisite: BMGT 3310.

Distribution: Business.

### **BADM 4090 - Practical Experience (0)**

All College of Business students are required before they may graduate to have 300 hours of practical experience in the field of their major during their junior and senior years. Every student should register for this course during the semester in which they will complete their 300 hours requirement. This course may be retaken if the 300 hours are not completed the first time a student registers for the course. This course is a Credit/No Credit course.

Distribution: Business.

### **BADM 4312 - Global Business as Mission (3)**

This course examines the intersection of Christian faith and professional business enterprises. Major historical movements will be examined. Current practices will be explained and discussed. Practical projects will be required.

Distribution: Business.

### **BADM 4320 - Global Social Enterprise (3)**

This course examines the intersection of service and profession in business enterprises. Topics include major thought areas and current practices. Practical projects are a requirement.

Distribution: Business.

### **BADM 4333 - Effective Organizational Leadership (3)**

"Effective Organizational Leadership" (EOL) is designed to take the organization leader and future leader beyond the basics of managing resources. EOL examines the characteristics of effective leaders, the process involved in moving from manager to leader, and leadership tools to help insure success in leading organizations.

Distribution: Business.

### **BADM 4341 - Business Ethics (3)**

Ethical issues of business decisions and actions will be examined from a Christian perspective. The influence of society and government on these business decisions and actions will also be studied. Prerequisite: Senior standing.

Distribution: Business.

### **BADM 4345 - Advanced Readings in Business Law and Ethics (3)**

This course is designed to offer upper level business students the opportunity to perform advanced research and writing in the area of business law and ethics with an emphasis on the application of faith-based ethical theories. Students will focus on current ethical issues faced by businesses and governments in the US and abroad. Prerequisite: BLAW 2311 and permission of the Instructor.

Distribution: Business.

### **BADM 4351 - Global Commerce (3)**

An interdisciplinary survey of how companies and nations operate in the global economy. Topics include business strategy, functional business areas in global commerce, analyses of regional economies, cross-border operations management, global business institutions, and global business ethics. Prerequisite: BMGT3310.

Distribution: Business.

### **BADM 4381 - Comparative Global Business Infrastructures (3)**

An interdisciplinary introduction to the commercial infrastructure problems and opportunities that face firms engaged in global business. Special emphasis will be placed upon the comparison of global business critical success factors across economic regions of the world. Prerequisite: BMGT 3310.

Distribution: Business.

### **BADM 4395 - Internship (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activities as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Junior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

## **BCIS - Business Computer Information Systems**

### **BCIS 1301 - Information Systems for Business Impact (3)**

This course provides an introduction to technology solutions as applied to personal productivity needs. Basic computer concepts will be covered. Emphasis will be placed on the integration of the resources aimed at supporting and enhancing personal decisions and productivity. Practical, hands-on experience will be a part of the course. This course will cover intermediate word processing, spreadsheet, database, and presentation applications. Lab fee.

Distribution: Business.

### **BCIS 2318 - Introduction to Web Site Design (3)**

This course introduces concepts for effective web site design, and tools and technologies used for creating effective web sites. Students will design web pages using a variety of methods including, but not limited to: HTML,

web authoring software, and photo editing tools. Additional topics may be discussed depending on specific interests of the current students. Prerequisite: BCIS 1301.

Distribution: Business.

### **BCIS 2330 - Fundamentals of Programming (3)**

This course provides an introduction to programming concepts within an object-oriented environment. Effective user interface design and programming structures (sequence, decisions, and repetition) will be emphasized through the use of an object-oriented programming language. Students will learn to apply problem solving techniques as they develop business applications. Prerequisite: BCIS 1301.

Distribution: Business.

### **BCIS 3311 - Social Media (3)**

This course examines social media software applications to support personal learning networks and enhance business productivity. Students will research best practices in the field of technology. More specifically, students will learn how individuals and organizations can strategically use social media tools to engage their audience in new and effective ways. Prerequisite: Junior standing.

Distribution: Business.

### **BCIS 3312 - Management Information Systems (3)**

This course examines the integration of computer and information technology into business. Discussions will include general systems concepts, information systems technologies, types of information processing systems, information technology-related services, and the management of information systems in organizations. Integration and management considerations will be examined regarding current and future business goals and objectives. Prerequisites: BADM 1301 and BCIS 1301. Lab fee.

Distribution: Business.

### **BCIS 3318 - Intermediate Dynamic Web Site Design (3)**

This course will present technologies to dynamically enhance web sites through scripting, animation tools, and Dynamic HTML. Additional topics may be discussed depending on the specific interests of the current students. Prerequisite: BCIS 2318 or CISC 4322

Distribution: Business.

### **BCIS 3320 - Database Administration (3)**

This course provides students with an understanding of relational databases. Fundamental database concepts will be covered including keys and related terminology, normalization techniques, basic SQL, data modeling, relational designs and database administration issues such

as backup/recovery and security. Prerequisite: BCIS 1301. Lab Fee.

Distribution: Business.

### **BCIS 3325 - Systems Analysis and Design (3)**

This course provides students with various principles, methods, guidelines, and techniques useful in the analysis and design of information systems in business organizations. In doing so, we recognize that most all information systems projects, have a "life cycle" that generally consists of the four basic stages of planning, analysis, design, and implementation. Emphasis will be placed on both the traditional approaches to these stages as well as more recent advances in the field that take an object-oriented approach to systems analysis and design through the Uniform Modeling Language (UML). Prerequisite: BCIS 2330.

Distribution: Business.

### **BCIS 3335 - Digital Video Editing (3)**

This course presents various topics including techniques for integration of hardware and digital media software with a focus on the creation and delivery of digital video for the web. Convergent uses of technology are explored. Term project: Brief professional grade digital production published for the web. Lab fee.

Distribution: Business.

### **BCIS 3340 - Introduction to E-Commerce (3)**

This course explores how the Internet has revolutionized the buying and selling of goods and services in the marketplace. This course will benefit students interested in working in an E-Commerce environment or evaluating E-Commerce activities.

Distribution: Business.

### **BCIS 3350 - Desktop & Digital Publishing (3)**

This course provides an introduction to computer layout and design using desktop and digital publishing industry-standard software. This course focuses on technical proficiency and the business components of digital and print publishing, e-pubs, handheld devices, and more. Prerequisite: BCIS 1301.

Distribution: Business.

### **BCIS 3370 - Computer 3D Modeling (3)**

This course will address the tools to create 3D models using point, polygon and spline modeling. Includes mastering entry-level FX; plus planning and creating short 3D animation for integration in computer- and web-based multimedia products. Lab fee.

Distribution: Business.



**BCIS 3375 - Computer 3D Animation (3)**

This course will address advanced skills in 3D animation, including skelegons, weight maps, inverse kinematics and IK chains. Further exploration of 3D FX involving hyper voxels, particle effects, collision and hard/soft body dynamics will be provided. Prerequisite: BCIS 3370. Lab fee.

Distribution: Business.

**BCIS 4315 - Interactive Multimedia (3)**

This course is designed to introduce the student to methods of designing and publishing training material. There will be an emphasis on technology. Prerequisite: BCIS 2318 or CISC 2305 and senior standing. Lab fee.

Distribution: Business.

**BCIS 4318 - Advanced Concepts for Web Site Design (3)**

This course investigates advanced tools and technologies to provide additional insight into effective utilization of web sites. Current technologies will be used to integrate web pages to interact with data sources, such as, databases, spreadsheets, and XML. Additional topics may be discussed depending on the specific interests of the current students. Prerequisites: BCIS 3320 and BCIS 3318.

Distribution: Business.

**BCIS 4345 - IT Security and Networking (3)**

This course addresses topics in telecommunications, computer networks, and systems architecture, as well as information systems security. Specific areas of discussion are network models, network hardware and software, network management, and current trends in networking. Additional areas of discussion may include physical security, social engineering, cyber security, threat/risk analysis and business continuity. Prerequisite: BCIS 3325.

Distribution: Business.

**BCIS 4370 - IS Management and Capstone Project (3)**

This course requires students to apply IS project management principles and techniques in a software project setting. Students will also apply systems development techniques while completing a comprehensive project pertinent to their area of study. Project concepts will be discussed with, and approved by, the instructor before commencing the project. Prerequisites: BCIS 3325 (waived for BBA MMIT majors) and senior standing. Lab fee.

Distribution: Business.

**BCIS 4395 - Internship in BCIS (3)**

This course permits students to enhance their knowledge within their major field of BCIS specialization (Multimedia and Information Technology or Business

Computer Information Systems) through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisites: Senior standing; 3.0 G.P.A. in major and overall, and written consent of the Associate Dean prior to registration. Administration fee.

Distribution: Business.

**BECO - Economics****BECO 2310 - Principles of Economics (3)**

An introductory course that covers both macroeconomic and microeconomic principles. Macroeconomic concepts include gross domestic product, unemployment, inflation, fiscal policy, and monetary policy. Microeconomic concepts include demand, supply, marginal analysis, competitive markets versus monopolized markets, and the distribution of income.

Distribution: Business.

**BECO 2311 - Principles of Macroeconomics (3)**

A study of macroeconomics including Gross Domestic Product (GDP), fiscal and monetary policy, along with Keynesian and Classical economic theory. Other topics include unemployment, inflation, and the Business Cycle.

Distribution: Business.

**BECO 2312 - Principles of Microeconomics (3)**

A study of basic microeconomic concepts, business organization, supply and demand theory, marginal analysis, and current economic problems.

Distribution: Business.

**BECO 3312 - Money and Banking (3)**

A study of the development and economic role of commercial banks and other financial institutions, the role of monetary theory, the Federal Reserve System and monetary policy, and the instruments and functions of international finance. Prerequisite: BECO 2310.

Distribution: Business.

**BECO 3320 - Intermediate Macroeconomic Theory (3)**

This course is designed to provide an in depth study of macroeconomic theory. Topics include the measure of national income, classical macroeconomic theory, Keynesian aggregate economic theory, numerous consumption and investment theories, interest rate theories, and the role of money in modern economic theory. This course will emphasize the role of macroeconomics in understanding our complex economic system. Prerequisite: BECO 2310.

Distribution: Business.

### **BECO 3321 - Intermediate Microeconomic Theory (3)**

An intermediate intensive study of contemporary microeconomic theory. Topics include consumer demand, market structure, production theory, the nature and behavior of costs, pricing and allocation of productive resources, and distribution of income. Prerequisite: BECO 2310.

Distribution: Business.

### **BECO 4342 - Contemporary Economic Issues (3)**

A course that applies microeconomic and macroeconomic analysis to evaluate contemporary economic issues. Prerequisite: BECO 2310.

Distribution: Business.

### **BECO 4350 - History of Economic Thought (3)**

This course is designed to help the student understand the role economists have played in our economic and political history. The course will survey the thoughts and subsequent theories of most famous economists. The topics studied will trace our way through the ancient philosophers up to contemporary economic thinking. Contributions of economists over the past three centuries will be emphasized. Prerequisite: BECO 2310.

Distribution: Business.

### **BECO 4370 - International Economics (3)**

A study of the basis for trade among nations and the means of its financing, customs unions, balance-of-payments payments, and similar topics, with particular emphasis upon the issue of "fair" trade. Prerequisite: BECO 2310.

Distribution: Business.

### **BECO 4395 - Internship in Economics (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

## **BENT - Business Entrepreneurship**

### **BENT 3310 - Introduction to Entrepreneurship (3)**

An introductory course intended to provide students with a solid foundation in terms of the vital role played by entrepreneurs and entrepreneurship in the 21st century global economy. This course assesses, explores, and

critiques the phenomenon of entrepreneurship. Prerequisite: BADM 1301.

Distribution: Business.

### **BENT 4351 - Managing the Entrepreneurial Family Business (3)**

This course focuses on the major issues and strategies for initiating, building, and managing a family business. Issues of succession from one generation to the next are explored in depth. Major theories that help to explain family business as different from other forms are included in this course. Prerequisites: BADM 1301 and Junior Standing.

Distribution: Business.

### **BENT 4355 - Opportunity Identification & Launch (3)**

This course explores how to identify an attractive opportunity for both investors and yourself and what must be done to make it a success. Key success factors will be used to answer questions related to customers, costs, competition, and the environment. Prerequisites: BADM 1301 and Junior Standing.

Distribution: Business.

### **BENT 4360 - International Entrepreneurship (3)**

This course examines how entrepreneurs recognize and fulfill opportunities for wealth creation in an international context. Prerequisites: BADM 1301 and Junior Standing.

Distribution: Business.

### **BENT 4395 - Internship in Entrepreneurship (3)**

This course permits students to enhance their knowledge within their major field of specialization through application concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

## **BFIN - Finance**

### **BFIN 3310 - Business & Personal Financial Planning (3)**

Introduction to the principles of personal financial planning including strategies for saving, investing, insurance, credit management, and home ownership and their corresponding interrelationship in providing comprehensive personal financial planning.

Distribution: Business.

**BFIN 3311 - Principles of Finance (3)**

An introduction to the principles of financial management including the role of the financial manager, cash flow, capital budgeting, planning for profits, financing, and financial decision-making. Prerequisite: BACC 2310 and BQBA 2301.

Distribution: Business.

**BFIN 3312 - Money & Banking (3)**

A study of the development and economic role of commercial banks and financial institutions, the role of monetary theory, the Federal Reserve System and monetary policy, and the instruments and functions of international finance. Prerequisite: BECO 2310.

Distribution: Business.

**BFIN 3322 - Principles of Real Estate (3)**

Principles of real estate, finance, brokerage, regional economics, building and construction, marketing, appraising, and real estate law. Prerequisite: BFIN 3311.

Distribution: Business.

**BFIN 3324 - Insurance Planning and Financial Risk Management (3)**

Methods to identify and control the risks facing individuals and businesses are examined. The topics covered include risk analysis, loss prevention, self-insurance, and various other insurance and financial alternatives to reduce the organization's risk of loss. This course reviews the financial risks that individuals and businesses face and how they can manage these risks, including the utilization of insurance solutions. Prerequisite: BFIN 3311

Distribution: Business.

**BFIN 3333 - Corporate Finance (3)**

An advanced study of financial management which includes the topics of risk and return, bond valuation, stock valuation, financial options, analysis of financial statements, corporate valuation and capital budgeting. Prerequisite: BFIN 3311.

Distribution: Business.

**BFIN 3334 - Working Capital Management (3)**

In-depth study of cash management, credit management, inventory management, leasing, hybrid financing, capital structure decisions, dividend policy, short-term financing, and investment banking and related subjects. Prerequisite: BFIN 3311.

Distribution: Business.

**BFIN 4331 - Investment Analysis and Planning (3)**

A course emphasizing the commitment of funds to various security forms such as common stocks, bonds, warrants,

convertible bonds, liquid assets, and other securities. The course exposes students to the concepts of risk and return, the differences between equity and fixed income investments, the mathematics of investing, the evaluation of investment theories and strategies, and the regulation of the investment industry. The course explores the difference between fundamental and technical analysis introducing modern portfolio theory (asset allocation, diversification, market timing, and security selection). Prerequisites: BECO 2310 and BFIN 3311.

Distribution: Business.

**BFIN 4341 - Financial Statement Analysis (3)**

A study of the keys to effective analysis of financial statements and the tools needed to make relevant decisions. The student will learn how investors, creditors, consultants, managers, auditors, directors, regulators, etc. use financial statements to make business decisions. Focus of the course is to demonstrate the relevance of such analysis with applications to real world companies. Prerequisite: "C" or better in BACC 3322 or BFIN 3333. (Same as BACC 4341).

Distribution: Business.

**BFIN 4344 - Portfolio Management (3)**

The development and application of modern portfolio theories in the selection of financial assets will be examined. Topics include setting investment goals, diversification and risk reduction, capital market theory, performance measurement, portfolio management techniques, and portfolio selection models. Students will develop a suitable investment portfolio established to meet a client's goals and objectives and prepare an appropriate plan of implementation based on this information. Prerequisite: BFIN 4331.

Distribution: Business.

**BFIN 4345 - International Financial Management (3)**

An advanced course in finance exploring the international flow of funds, exchange rate determination, the use of currency derivatives to hedge exchange rate risk, international arbitrage and interest rate parity, how to forecast exchange rates, measuring and managing exposure to exchange rates, and international financial institutions. Prerequisite: BECO 2310 and BFIN 3311.

Distribution: Business.

**BFIN 4395 - Internship in Finance (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with

an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

## **BGST- General Studies**

### **BGST 4001 - General Studies Capstone (0)**

The purpose of this course is to assess the student's mastery of their chosen concentrations in the Bachelor of General Studies program. Prerequisite: last semester of program.

Distribution: General Studies.

## **BIOL - Biology**

### **BIOL 1090 - Freshman Evaluation (0)**

Freshman students majoring in Biology must complete the Biology Pre-Test Assessment during their first semester at UMHB.

Distribution: Sciences.

### **BIOL 1105 - Living World Lab (1)**

This is the laboratory corequisite for BIOL 1305. Laboratory fee.

Distribution: Sciences.

### **BIOL 1140 - Fundamentals of Anatomy and Physiology Lab (1)**

Lab corequisite component of Fundamentals of Anatomy and Physiology. Laboratory fee.

Distribution: Sciences.

### **BIOL 1150 - Biomolecules, Genes, and Cells Lab (1)**

This is the laboratory corequisite for BIOL 1350. Laboratory fee.

Distribution: Sciences.

### **BIOL 1160 - Organisms, Populations, and Ecosystems Lab (1)**

This is the laboratory corequisite for BIOL 1360. Laboratory fee.

Distribution: Sciences.

### **BIOL 1165 - Exploring the Invisible Lab (1)**

This is the laboratory corequisite for BIOL 1365. Laboratory fee.

### **BIOL 1193 - Biological Research (1)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

### **BIOL 1293 - Biological Research (2)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

### **BIOL 1305 - Living World (3)**

Study of some basic principles common to all living things such as cellular composition, energetics, inheritance and genetic principles, diversity of life, ecology. This course is intended for students requiring a lab science (may not be used as a credit towards a Biology major or minor) and students must take BIOL 1105 Living World lab as a corequisite.

Distribution: Sciences.

### **BIOL 1330 - Biology of Food (3)**

This course explores the biological stories of food. Students consider the organisms we eat, the people who produce food, the environmental costs of food, and opportunities for sustainable food production. This course may not be counted towards a Biology major or minor.

Offered: Sciences.

### **BIOL 1335 - Biology in Science-Fiction (3)**

Science-fiction has extended our awareness of the natural world but often real biology is more amazing than fiction. Science-fiction works will be utilized to initiate critical thinking amongst students about the biological sciences. Students will learn biology from the molecular to the organismal level and use science-fiction as the vehicle to improve their scientific writing. This course may not be counted towards a Biology major or minor.

Distribution: Sciences.

**BIOL 1340 - Fundamentals of Anatomy and Physiology (3)**

Study of the fundamentals of human anatomy and physiology. Topics include the hierarchy of body structure and organization and basic biological chemistry. The course is intended for students requiring a lab science but cannot be used as credit towards a biology major or minor. Corequisite: BIOL 1140

Distribution: Sciences.

**BIOL 1350 - Biomolecules, Genes, and Cells (3)**

This course will explore foundational concepts and processes in biology, including biomolecules, cell structure of prokaryotes and eukaryotes, cell division, photosynthesis and cellular respiration, genetics, and plant processes. Corequisite: BIOL 1150

Distribution: Sciences.

**BIOL 1360 - Organisms, Populations, and Ecosystems (3)**

This course will explore foundational concepts and processes in biology, including biodiversity, evolution, animal systems, and ecology. Prerequisite: BIOL 1350/1150. Corequisite: BIOL 1160.

Distribution: Sciences.

**BIOL 1365 - Exploring the Invisible (3)**

An introduction to the microbes living in, on, and around us. Microbes such as bacteria, viruses, fungi, and parasites will be explored throughout the course. Emphasis will be on microbial characteristics, diversity, and the effects microbes have on us and our environment. This course is intended for students with non-science majors requiring a lab science course. Corequisite: BIOL 1165.

Distribution: Science.

**BIOL 1393 - Biological Research (3)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson.

Distribution: Sciences.

**BIOL 1493 - Biological Research (4)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a

research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 2001 - Laboratory Assistantship (0)**

Faculty-supervised experience in assisting with laboratory studies. May be repeated subject to availability of assignments. Prerequisite: Approval of department chairperson.

Distribution: Sciences.

**BIOL 2120 - Science for Educators (1)**

This is the corequisite lab for BIOL 2320. Laboratory fee.

Distribution: Sciences.

**BIOL 2140 - Human Anatomy & Physiology I Lab (1)**

This is the laboratory corequisite for BIOL 2340. Students must also register for BIOL 2140P, the laboratory practicals. Laboratory fee.

Distribution: Sciences.

**BIOL 2141 - Human Anatomy & Physiology II Lab (1)**

This is the laboratory corequisite for BIOL 2341. Students must also register for BIOL 2141P, the laboratory practicals. Laboratory fee.

Distribution: Sciences.

**BIOL 2170 - Research Methods (1)**

This course investigates biological experimentation. Topics include experimental design, the scientific process, scientific writing, the philosophy of science, bioethics, critical thinking, usage of common laboratory equipment, and laboratory team work. Prerequisites: BIOL 1360/1160, Corequisite: BIOL 2171 for Biology majors

Distribution: Sciences.

**BIOL 2171 - Research Methods Lab (1)**

This is the corequisite laboratory component for BIOL 2170. Laboratory fee

Distribution: Sciences.

**BIOL 2180 - Microbiology Lab (1)**

This is the corequisite laboratory component for BIOL 2380. Laboratory fee.

Distribution: Sciences.

**BIOL 2193 - Biological Research (1)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 2293 - Biological Research (2)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 2301 - Endangered Species (3)**

Endangered Species will use examples from the field of conservation biology to demonstrate the role of science and the limits of science in addressing the complex issues involved in the efforts to preserve threatened and endangered species. Because the practical application of this multidisciplinary field relies on both scientific evidence and social and political will, it is an excellent focal point to begin discussing the roles of science and scientific methods in public and private decision-making and the limits of science in understanding the world. This course will fulfill the Scientific Inquiry requirement of the core curriculum.

Distribution: Sciences.

**BIOL 2320 - Science for Educators (3)**

This course is designed to give students practical experience in inquiry-based science teaching and learning by integrating science content knowledge and teaching skills. Corequisite: BIOL 2120

Distribution: Sciences.

**BIOL 2330 - Foundations of Comparative Physiology (3)**

Students will explore the relationship between environment, form and physiology. Recommended for Biology majors not in the Pre-Med/Dent or Pre-Allied Health.

Distribution: Sciences.

**BIOL 2340 - Human Anatomy & Physiology I (3)**

Study of the structure and function of cells, tissues, organs, and organ systems including the integumentary, skeletal, muscular, and nervous. Students must also register for BIOL 2140 and BIOL 2140P (lab and lab practicals)

Distribution: Sciences.

**BIOL 2341 - Human Anatomy & Physiology II (3)**

A continuation of BIOL 2340. Systems covered include the endocrine, reproductive, lymphatic, cardiovascular, respiratory, digestive and excretory. Prerequisites: a grade of 'C' or higher in BIOL 2340 and BIOL 2140. Students must also register for BIOL 2141 and BIOL 2141P (lab and lab practicals)

Distribution: Sciences.

**BIOL 2380 - Microbiology (3)**

An introduction to the morphology and physiology of micro-organisms with emphasis on bacteria, the principles of immunology, laboratory methods, and practical applications. Prerequisites: BIOL 1350/1150 or BIOL 2340/2140. Corequisite: BIOL 2180. Lab fee.

Distribution: Sciences.

**BIOL 2393 - Biological Research (3)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 2430 - Natural History Expedition for Non-majors (4)**

Consists of an extended field trip to different ecological regions of the United States or Mexico with an emphasis on the geology, climate, flora, fauna, and culture of the area visited. Participants will be responsible for maintenance of expedition equipment and may collect and identify geological and biological specimens where appropriate. Course is intended for students requiring a lab science but cannot be used as credit towards a Biology major or minor. Enrollment will be limited and will require permission of the instructor. Expenses will be shared by participants. May be repeated for credit. Laboratory fee.

Distribution: Sciences.

#### **BIOL 2493 - Biological Research (4)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3001 - Laboratory Assistantship (0)**

Faculty-supervised experience in assisting with laboratory studies. May be repeated subject to availability of assignments. Prerequisite: Approval of department chairperson.

Distribution: Sciences.

#### **BIOL 3110 - Genetics Lab (1)**

This is the corequisite lab course for Biology majors taking BIOL 3310. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3135 - Ornithology Lab (1)**

This is the laboratory corequisite for BIOL 3335. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3160 - Plant Taxonomy Lab (1)**

This is the laboratory corequisite for BIOL 3360. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3175 - Human Physiology Lab (1)**

This course is designed to study the fundamental concepts of human physiology-including neural, muscular, cardiovascular, respiratory, endocrine and sensory systems- using hands-on experiments and computer simulations. Students' EKGs, blood pressure, respiratory volume and reflexes will be measured and analyzed. This course is for students wishing to pursue PT and OT professional programs. Prerequisites: BIOL 2341 and BIOL 2141, and permission of instructor. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3193 - Biological Research (1)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard

laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3293 - Biological Research (2)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

#### **BIOL 3310 - Genetics (3)**

A study of the physical bases and principles of inheritance and variation in plants and animals, with an emphasis on the genetics of man. Prerequisite: BIOL 1350/1160 and BIOL 1360/1160. Corequisite: BIOL 3110 for Biology majors.

Distribution: Sciences.

#### **BIOL 3325 - Medicinal Botany (3)**

A variety of plant-derived pharmaceuticals and toxins are considered. Students explore the discovery, purification, and molecular mechanisms of plant-derived drugs. Reading primary scientific literature and writing in an appropriate style are emphasized in the course. Prerequisites: BIOL 2170, 2171, and BIOL 3310 or permission of the instructor.

Distribution: Sciences.

#### **BIOL 3335 - Ornithology (3)**

A general study of birds and their structure, food relationship, nesting habits, seasonal distribution, migration, economic importance, and conservation, with field observation and special reference to Texas birds. Weekend field trip required. Prerequisites: BIOL 1360/1160 or permission of the instructor. Corequisite: BIOL 3135

Distribution: Sciences.

#### **BIOL 3340 - Immunology (3)**

A study of the mechanisms involved in the immune response. Emphasis on the structure and function of the components of the immune system, including humoral and

cellular activity, complement, and hypersensitivity.  
Prerequisites: BIOL 2380/2180 and 3310 with a C or higher in each course.

Distribution: Sciences.

### **BIOL 3360 - Plant Taxonomy (3)**

A study of flowering plants of Central Texas, emphasizing techniques of identification and classification, with herbarium and field work. Ethical collecting and documentation of biological specimens, and primary scientific literature and writing in appropriate style are also emphasized. Weekend field trip may be required.  
Prerequisites: BIOL 2170/2171. Corequisite: BIOL 3160.

Distribution: Sciences.

### **BIOL 3375 - Human Physiology (3)**

This course is designed to provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content will include neural & hormonal homeostatic control mechanisms, as well as study of the circulatory, cardiovascular, skeletal, muscular, respiratory, and endocrine organ systems. Principles of cellular physiology will be emphasized throughout the semester. This course is for students wishing to pursue PT and OT professional programs. Prerequisites: BIOL 2341 and BIOL 2141 and permission of instructor. Concurrent enrollment in the Human Physiology Laboratory course (BIOL 3175).

Distribution: Sciences.

### **BIOL 3393 - Biological Research (3)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

### **BIOL 3493 - Biological Research (4)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

### **BIOL 4001 - Laboratory Assistantship (0)**

Faculty-supervised experience in assisting with laboratory studies. May be repeated subject to availability of assignments. Prerequisite: Approval of department chairperson.

Distribution: Sciences.

### **BIOL 4025 - Surgical Scholars (0)**

The Surgical Scholars Program includes discussions with and shadowing of surgeons, as well as other activities designed to provide students additional preparation for career choices and medical school. Enrollment is by application only. Background check and drug screening are required. Prerequisite: Meet minimum application requirements and approval of the Associate Dean for Natural Sciences. Course fees.

Distribution: Sciences.

### **BIOL 4090 - Senior Evaluation (0)**

Students majoring in Biology must complete the biology achievement examination prior to graduation. This exam should be taken during the senior year. Examination fee.

Distribution: Sciences.

### **BIOL 4100 - Vertebrate Zoology Lab (1)**

This is the laboratory component for BIOL 4300. Laboratory fee.

Distribution: Sciences.

### **BIOL 4105 - Cell Biology Lab (1)**

This is the corequisite laboratory for BIOL 4305. Laboratory fee.

Distribution: Sciences.

### **BIOL 4115 - Eukaryotic Development Lab (1)**

This is the laboratory component for BIOL 4315. Laboratory fee.

Distribution: Sciences.

### **BIOL 4120 - Marine Biology Lab (1)**

This is the corequisite laboratory for BIOL 4320. Laboratory fee.

Distribution: Sciences.

### **BIOL 4145 - Herpetology Lab (1)**

This is the laboratory component for BIOL 4345. Laboratory fee.

Distribution: Sciences.



**BIOL 4167 - Plant Molecular Biology Lab (1)**

This is the laboratory for BIOL 4367. Laboratory Fee.

Distribution: Sciences.

**BIOL 4170 - Applied Ecology Lab (1)**

This is the corequisite lab required for Biology majors for BIOL 4370. Prerequisite: MATH 2303. Laboratory fee.

Distribution: Sciences.

**BIOL 4180 - Survey of Biological Research (1)**

Students will evaluate published primary biological literature and present selected publications orally. Faculty will select specific research topics for exploration, and these topics may vary by semester. May be repeated for credit. Prerequisites: BIOL 2170 and BIOL 3310

Distribution: Sciences.

**BIOL 4190 - Independent Learning (1)**

An introduction to research representing individual work of senior level. Conferences and laboratory work to be specified according to the subject at the discretion of the instructor. Prerequisite: 12 hours of Biology, 6 of which must be advanced level, and permission of the instructor. Laboratory fee.

Distribution: Sciences.

**BIOL 4191 - Seminar (1)**

Requirements may include classroom study, fieldwork, or a weekend field trip. Expenses for field trip will be shared by participants. Prerequisite: BIOL 3310 or permission of instructor. May be repeated for credit as topics vary.

Distribution: Sciences.

**BIOL 4193 - Biological Research (1)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 4194 - Capstone Writing (1)**

This is a Writing Emphasis course that prepares students for authentic writing in Biology through the production of a formal research proposal that requires an extensive search of scientific literature and documentation of appropriate sources. Students will also produce personalized documents typically included in a

professional portfolio. Prerequisite: Senior classification and a minimum "C" standing in each of BIOL 2170, 2171, 3110, 3310, and WRIT 3344.

Distribution: Sciences.

**BIOL 4195 - Capstone Seminar (1)**

Requirements include a literature search, oral presentation, and discussion on a relevant topic in Biology. May be repeated for credit. Prerequisites: Senior classification and permission of the instructor.

Distribution: Sciences.

**BIOL 4293 - Biological Research (2)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 4300 - Vertebrate Zoology (3)**

Identification, life histories, distribution, and adaptations of vertebrate animals. Extensive field work and one weekend trip. Prerequisites: BIOL 1360/1160 and one of the following: BIOL 2330 or BIOL 2340/2140. Laboratory fee. Fall only.

Distribution: Sciences.

**BIOL 4305 - Cell Biology (3)**

A study of the structure, function, reproduction and biochemistry of eukaryotic cells and their organelles. Prerequisites: BIOL 3310 and CHEM 1420. Corequisite: BIOL 4105.

Distribution: Sciences.

**BIOL 4315 - Eukaryotic Development (3)**

An introduction to the cell behavior and molecular pathways that control embryonic development. Several representative organisms-- invertebrate, vertebrate, and plant-- will be utilized along with an introduction to recent advances and techniques in developmental biology. Those techniques will be applied in the laboratory to study such organisms as sea urchins, chickens, and Arabidopsis. Prerequisites: BIOL 2170/2171, BIOL 3310 and MATH 2303. BIOL 4305/4105 recommended.

Distribution: Sciences.

**BIOL 4320 - Marine Biology (3)**

A general study of the biotic and abiotic components of estuarine and marine systems, with emphasis on the Gulf Coast of Texas. Weekend field trip required. Prerequisites: BIOL 1360/1160 and either BIOL 2330 or BIOL 2340/2140. Corequisite: BIOL 4120

Distribution: Sciences.

**BIOL 4325 - Cancer Biology (3)**

This course explores the processes of transformation and tumor formation, focusing on the molecular and cellular mechanisms of carcinogenesis, tumor pathology and metastasis. Topics include: molecular and cellular basis of cancer, including viral and cellular oncogenes, tumor suppression mechanics, cellular immortality, genomic integrity, angiogenesis, metastasis, and traditional and developing theories. Open to upper-division students only. Prerequisite: BIOL 3310.

Distribution: Sciences.

**BIOL 4335 - Biology of Reproduction (3)**

This course examines the various approaches to reproduction used by plants and animals. Topics include asexual and sexual reproduction, modes of sex determination, mating strategies, selection and parental care. Students must be biology majors or minors having completed BIOL 3310.

Distribution: Sciences.

**BIOL 4345 - Herpetology (3)**

An introduction to the taxonomy, ecology, morphology and behavior of amphibians and reptiles. Weekend field trip may be required. Prerequisite: BIOL 1360/1160 and one of the following: BIOL 2330, 2340/2140 or 2370/2175.

Distribution: Sciences.

**BIOL 4365 - Regenerative Medicine (3)**

A study of the foundations and principles of regenerative medicine. Major emphasis will be on understanding stem cell research relating to stem cell types, sources, characteristics, modifications, and applications for therapy. Prerequisites: BIOL 2170 and BIOL 3310.

Distribution: Sciences.

**BIOL 4367 - Plant Molecular Biology (3)**

Students explore plant structure and function, including genes and genomes, biotechnology, cell biology, metabolism, diversity, and development. Plant interactions with other organisms, including plant-derived pharmaceuticals, are considered. Prerequisites: BIOL 2170, 2171, and 3310 or permission of the instructor.

Distribution: Sciences.

**BIOL 4370 - Applied Ecology (3)**

A study of the interrelationships between organisms and their environment. Emphasis on environmental characteristics, population dynamics, modes of reproduction and foraging, and inter- & intra-specific relationships. Prerequisites: minimum "C" in MATH 1306 and BIOL 3310. Biology majors are required to take BIOL 4170 concurrently (note: MATH 2303 is a prerequisite.)

Distribution: Sciences.

**BIOL 4380 - Pathogenic Microbiology (3)**

A study of the isolation, identification, control, morphology, physiology, and immunogenicity of disease-causing bacteria, viruses, and eukaryotic parasites.

Distribution: Sciences.

**BIOL 4393 - Biological Research (3)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit. Prerequisite: Approval of department chairperson. Laboratory fee.

Distribution: Sciences.

**BIOL 4450 - Natural History Expedition (4)**

Consists of an extended field trip to different ecological regions of the United States or Mexico with an emphasis on the geology, climate, flora, fauna, and culture of the area visited. Participants will be responsible for maintenance of expedition equipment and may collect and identify geological and biological specimens where appropriate. Natural History Expedition is not intended to be a substitute for those academic courses required of a major or for the teaching field in Biology. Enrollment will be limited and will require permission of the instructor. Expenses will be shared by participants. May be repeated for credit. Laboratory fee.

Distribution: Sciences.

**BIOL 4493 - Biological Research (4)**

Students will conduct biological research under the supervision of a faculty member. Students will be expected to keep a research notebook according to standard laboratory practices and may be required to submit a research proposal at the discretion of the faculty member. A final written report of work accomplished will be required. A minimum of 3 clock hours of laboratory per week will be required for each semester hour of credit.

Prerequisite: Approval of department chairperson.  
Laboratory fee.

Distribution: Sciences.

## **BLAW - Business Law**

### **BLAW 2311 - Business Law (3)**

This course surveys the basic principles of commercial law including contracts, property, security interests, and sales. The legal environment in which business entities function is examined.

Distribution: Business.

### **BLAW 3330 - International Business Law (3)**

This course surveys basic business legal topics in both the United States and the European Union on a comparative basis. Topics such as employment law, sales, bankruptcy, business torts, security interests, and others will be explored.

Distribution: Business.

## **BLDR - Business Leadership**

### **BLDR 2350 - Christian Principles in Business Leadership (3)**

This course applies a Christian perspective to the study of business decisions and actions. The historical framework, responsibilities, and consequences of business practices in our society are explored. Special emphasis is placed upon situations that students will likely encounter in their careers.

Distribution: Business.

### **BLDR 3321 - Building Better Businesses (3)**

This course explores the practices that develop businesses that are both more productive and better places to work. It examines the features of businesses that have been both profitable and employee-friendly. Special attention is given to researching organizations that have consistently been designated as good places to work.

Distribution: Business.

### **BLDR 3350 - Christian Principles in Business Leadership (3)**

This course applies a Christian perspective to the study of business decisions and actions. The historical framework, responsibilities, and consequences of business practices in our society are explored. Special emphasis is placed upon situations that students will likely encounter in their careers.

Distribution: Business.

### **BLDR 3355 - Developing Personal Leadership (3)**

This course examines practices that help an individual to develop better leadership skills for any leadership situation. Special attention is given to understanding personal strengths and developing skills in relating to other people.

Distribution: Business.

### **BLDR 4395 - Internship in Business Leadership (3)**

This course permits students to enhance their knowledge within their major field of specialization through application concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

## **BMGT - Management**

### **BMGT 3310 - Fundamentals of Management (3)**

The management functions of planning, organizing, leading, and controlling will provide the framework for a study of management theories, research, and problem solving. Prerequisite: BADM 1301.

Distribution: Business.

### **BMGT 3315 - Organizational Behavior (3)**

This course is a study of human behavior in organizations at the individual and group levels. Included topics are individual behavior, attitudes, perceptions, and motivations; group dynamics, interpersonal relations, communication, cooperation, and conflict; and organizational change, development, power, influence, and culture. Prerequisite: Grade of "C" or better in BMGT3310.

Distribution: Business.

### **BMGT 3321 - Human Resources Management (3)**

Human resources management studies will include the personnel functions of employment planning, recruitment, selection, training and development, compensation, labor relations, and government regulations administration. Prerequisite: Grade of "C" or better in BMGT 3310.

Distribution: Business.

### **BMGT 3330 - Negotiation (3)**

This course is designed to explore the processes of bargaining and negotiation as social and managerial activities. Special emphasis will be given to the areas of interpersonal and intergroup conflict, in addition to

interpersonal influence techniques and the tactics and strategies involved with improved bargaining and negotiation. The major purpose of the course is for each participant to gain insight into his or her own negotiating style and to become a more effective negotiator, as well as a more astute observer of social processes. The course will involve extensive use of cases, role-playing, and related participative activities, enhanced by rigorous self-review and introspection. Prerequisite: BMGT 3310.

Distribution: Business.

### **BMGT 3334 - Team Management (3)**

Issues related to team-based organizations are examined. Focus is placed on team development and leadership, including factors associated with high performing teams. Differences between team-based and traditional organizations are examined. Skills are developed to deal with problems faced by team leaders. Prerequisite: Grade of "C" or better in BMGT 3310.

Distribution: Business.

### **BMGT 3340 - Project Management (3)**

This course is an introduction to the Project Management discipline from the management perspective. It is based on the foundations of the Project Management Institute and allows students to apply the knowledge learned from other management courses. Areas covered include communication, team management, leadership skills and evaluation of projects. Technology covered include scheduling and reading within Microsoft Project. Prerequisite: BMGT 3310

Distribution: Business.

### **BMGT 3345 - Nonprofit Management (3)**

Nonprofit Management provides students with an overview of nonprofit organizations and operations. The course covers both general management practices that apply to all public and private organizations (marketing, strategic planning, inter-organizational relations, human resources, ethics, and financial management) and practices unique to nonprofits (boards and governance, volunteer management, legal responsibilities, fundraising, etc.). Prerequisite: BMGT 3310.

Distribution: Business.

### **BMGT 3360 - Entrepreneurial Management (3)**

The purpose of this course is to develop the skills required to manage and grow a new venture, whether it is a for-profit or not-for-profit entity, through each of the stages of growth that new firms undergo. A successful entrepreneur needs to be able to not only envision and launch a new company, but also be able to manage a new company well and grow it successfully from a start-up to an on-going, business organization where other people like to work and can succeed. This course also exposes students to the

entrepreneur who works inside a large organization and the skills required in that context. Prerequisite: BMGT 3310.

Distribution: Business.

### **BMGT 4322 - Small Business Management (3)**

This study of starting and managing a small business is centered around a business plan. This includes formulating a business idea, assessing the market potential, selecting a location, selecting a legal form of organization, arranging financing, securing necessary supplies, meeting governmental regulations, securing and retaining appropriate employees, instituting accounting records, establishing appropriate controls, and developing production systems. Prerequisite: BMGT 3310.

Distribution: Business.

### **BMGT 4332 - Managing Workplace Diversity (3)**

This course focuses on developing knowledge and skills for diversity awareness and management in the workplace. Students will examine how their own experiences shape their ability to effectively lead across multiple dimensions of diversity, including gender, race, ethnicity, age, religion, and disability, among others.

Distribution: Business.

### **BMGT 4340 - International Management (3)**

This course examines the challenges facing managers that are competing in a global economy. Students learn to apply management concepts and techniques in a multinational, multicultural environment. In particular, students will obtain a working knowledge of the customs, cultures, and management practices of the major economic countries in the world. Global managers in today's world must be comfortable not only in dealing with internal managerial issues confronting their organizations but also external issues including the political, legal, theological, geographical and economic environments. Prerequisite: BMGT 3310.

Distribution: Business.

### **BMGT 4349 - Strategic Management & Policy (3)**

Skills learned in many disciplines such as Management, Finance, and Marketing will be integrated to solve business case problems. Chief executive-level decision making under conditions of uncertainty will be practiced. Prerequisites: BACC 2310, BFIN 3311, BMGT 3310, and BMKT 3311, taken during final semester.

Distribution: Business.

### **BMGT 4395 - Internship in Management (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned

in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

## **BMKT - Marketing**

### **BMKT 3310 - Service Based Marketing (3)**

The course highlights the differences between product marketing and the marketing of services. Furthermore, the ability to develop, evaluate, implement, and lead effective marketing programs in service companies and organizations is covered. Attention is focused on the marketing function of not-for-profit organizations such as hospitals, educational institutions, police departments, and churches.

Distribution: Business.

### **BMKT 3311 - Principles of Marketing (3)**

Introduces students to basic concepts, practices, and techniques of contemporary marketing.

Distribution: Business.

### **BMKT 3312 - Advertising and Promotion (3)**

A survey course in advertising and other promotional techniques and their influence on the consumer buying process. Prerequisite: Grade of "C" or better in BMKT 3311.

Distribution: Business.

### **BMKT 3315 - Event Marketing (3)**

This course introduces students to how to plan, manage and measure marketing for different types of events within varying industries. Focus is given to theories, concepts and skills required to promote events successfully. Prerequisite: Grade of "C" or better in BMKT 3311.

Distribution: Business.

### **BMKT 3322 - Consumer Behavior (3)**

An interdisciplinary approach to the analysis and interpretation of the buying motives and behaviors of consumers. Psychological, economic, and social factors are related to marketing strategy and practice. Prerequisite : Grade of "C" or better in BMKT 3311, and junior standing.

Distribution: Business.

### **BMKT 3331 - Marketing Research (3)**

A study of the principles and applications of marketing research with strong emphasis on research designs data. Prerequisite: BMKT 3311.

Distribution: Business.

### **BMKT 3353 - Selling and Sales Management (3)**

A study of the sales process, including product knowledge, prospecting, the approach, presentation methods, handling objections, and closing techniques. Emphasis is also given to managing a sales force, including motivation and reward systems. Prerequisite: BMKT 3311.

Distribution: Business.

### **BMKT 4340 - International Marketing (3)**

The "new global economy" makes it essential that students gain an appreciation of the rapidly evolving field of international marketing. This course considers the cultural, legal, political, and economic factors affecting international marketing of products and services. Emphasis will be placed on differences in life styles, beliefs, attitudes, and political environments and their influences upon marketing decisions. It explores how managers analyze global opportunities-buyer behavior, competitors, and marketing research. Prerequisite: BMKT 3311

Distribution: Business.

### **BMKT 4341 - Marketing Strategy (3)**

A broadly based study of the marketing effort as seen from the point of view of the marketing manager. Prerequisites: BMKT 3311 and BMKT 3331. Taken during final semester.

Distribution: Business.

### **BMKT 4360 - Marketing through Social Media (3)**

A broadly based study of utilizing social media technology to enhance marketing for business. This course focuses on how social media is integrated within marketing strategy to implement tactics for business communication, sales, branding, global web presence, advertising and promotion. Students evaluate and measure social media strategies for business development and ROI. Prerequisite: BMKT 3311

Distribution: Business.

### **BMKT 4370 - Mission Based Marketing (3)**

This course introduces students to the basic marketing concepts, practices, and techniques used in nonprofit organizations. The uniqueness of non-profit organizations is addressed as well as how the marketing mix is applied. Fundraising, donor and recipient behaviors, and strategic plan development are highlighted. Prerequisite: BMKT 3311

Distribution: Business.

**BMKT 4380 - New Product Marketing (3)**

This course focuses on the issues, problems, and decisions marketers need to make when bringing a new product to market. The new product marketing process includes opportunity identification, product design, concept design and test marketing, as well as profit and loss. Prerequisite: BMKT 3311.

Distribution: Business.

**BMKT 4395 - Internship (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing, 3.0 GPA in major and overall, and consent of the Associate Dean.

Distribution: Business.

**BQBA - Quantitative Business Analysis****BQBA 2301 - Introduction to Quantitative Methods (3)**

An introduction to quantitative methods used in business. Topics include a thorough coverage of time value of money techniques through the use of a financial calculator and other technology-based tools, techniques, and methods for basic descriptive statistics and probability distributions, systems of linear equations, linear programming, an introduction to differential calculus, and break even analysis. Prerequisite: A grade of "C" or better in MATH 1306 or higher.

Distribution: Business.

**BQBA 2302 - Business Data Analysis (3)**

This course is an introduction to making business decisions through statistical analyses and graphical representations using technology-based methods. Topics include a review of descriptive statistical methods, measures of location and dispersion, probability, sampling methods, hypothesis testing, and linear regression. The focus of the course will be the application of statistical methods to real business problems. Prerequisite: A grade of "C" or better in BQBA 2301 or equivalent.

Distribution: Business.

**BSYS - Business Systems****BSYS 3315 - Introduction to Supply Chain Management (3)**

An overview of supply chain management focusing on both the product and services aspects of the supply chain

and logistics. Emphasizes the logistical flow process from suppliers to manufacturers to distributors to retailers to the final customer. Examines the application of technology in the supply chain process. Explores topics including modes of transportation, warehousing, materials handling, inventory management, order fulfillment, and the economic aspects of the supply chain. Prerequisite: BQBA 2301

Distribution: Business.

**BSYS 3325 - Production Operations Management (3)**

Management of the production and operations functions of manufacturing and service organizations will be studied. This course includes practical applications of quantitative methods in the analysis of the production and operations functions. Topics cover production objectives, plant location and facilities, quality and inventory controls, and systems analysis. Prerequisites: BMGT 3310; BQBA 2302 or its equivalent.

Distribution: Business.

**BSYS 3355 - Distribution and Inventory Management (3)**

Analyzes the logistical aspects of inventory management, transportation, distribution centers, domestic and global procurement, location analysis, and varying costs aspects related to supply chain partners. Prerequisite: BQBA 2302.

Distribution: Business.

**BSYS 3385 - Purchasing and Procurement (3)**

Analyzes purchasing and procurement aspects of the supply chain process including policies, procedures, contractual agreements, supplier selection, production and inventory control, competitive advantage and benchmarking, negotiation, and customer relations. Prerequisite: BQBA 2302.

Distribution: Business.

**BSYS 4325 - Business Analytics and ERP (3)**

This course addresses the ever-growing need for businesses to understand and capitalize on massive amounts of data being collected throughout the organization in order to make detailed and highly effective decisions. Topics include defining the problem, data collection, predictive analytics, transforming data into knowledge, data storage and querying, and knowledge presentation. Prerequisite: BSYS 3325

Distribution: Business.

**BSYS 4330 - Supply Chain Management with ERP (3)**

In this course the student will be introduced to the study of the movement of materials, services, and information from supplier to manufacturer or service provider to the customer. All aspects of the supply chain will be explored

including coordinating and integrating the movement of resources within and among the stakeholders involved in the supply chain and the information technology aspects associated with the supply chain. Emphasis will be placed on managing the supply chain using ERP. Prerequisite: BSYS 3325. Lab fee.

Distribution: Business.

### **BSYS 4335 - Enterprise Architecture and ERP (3)**

In this course, students are introduced to a process-oriented view of the organization. They will learn about the organization's relationships with suppliers and customers as well as gain a basic business knowledge in the core functional areas that are common to all organizations. Students will achieve a foundational understanding of how enterprise resource planning (ERP), customer relationship management (CRM) systems, and supply chain management (SCM) systems can automate the relationships between these core areas. By getting hands-on experience with SAP, one of the leading ERP systems in the world, students will be able to see how automation of these core functional areas can help achieve seamless integration and provide a high level view of the overall organization. Prerequisite: BSYS 3312. Lab Fee.

Distribution: Business.

### **BSYS 4370 - Supply Chain Management and Capstone Project (3)**

In this course, students will learn project management principals and techniques and apply them in a supply chain management setting. They will also apply supply chain management techniques using an ERP simulation. Prerequisites: BSYS 4330 and Senior standing. Lab fee.

Distribution: Business.

### **BSYS 4395 - Internship in Business Systems (3)**

This course permits students to enhance their knowledge within Business Systems through the application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Prerequisite: Senior standing; 3.0 G.P.A. in major and overall; and written consent of the Associate Dean prior to registration. Administration fee.

Distribution: Business.

## **CCST-Christian Studies**

### **CCST 2200 - Research and Writing in Christian Studies (2)**

This course is designed to improve the research and writing skills of students for academic and ministry

purposes. Prerequisite: CSBS 1311 or CSBS 1312 and ENGL 1321. This is a Writing Emphasis course.

Distribution: Christian Studies.

### **CCST 3300 - Christianity and Life (3)**

Students will apply Christian perspectives to selected issues in contemporary life. Students will explore biblical, historical, theological, and/or ethical insights. The course will examine various contemporary topics based on the expertise and interest of the professor.

Distribution: Christian Studies.

### **CCST 3301 - Spiritual Formation (3)**

This course is a study of the theology, processes and practices of the formation in the believer of the character of Christ by the ministry of the Spirit for the sake of others. Attention is given to the practices of personal and corporate spiritual disciplines. Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CCST 4190 - Senior Capstone (1)**

Through readings, research and writing, Christian studies students complete their university learning experience. The course emphasizes the formulation of theoretical, ethical and practical perspectives in the students' chosen areas of Christian study and vocational service. Students also prepare for and take assessment examinations and complete program evaluations during the course. This is a Writing Emphasis course.

Distribution: Christian Studies.

## **CHEM - Chemistry**

### **CHEM 1110 - General Chemistry I Lab (1)**

Emphasis on developing student laboratory techniques for general chemistry studies. Designed for transfer students with credit for General Chemistry I lecture. Prerequisite: Credit for a General Chemistry I lecture course and approval of instructor. Laboratory fee.

Distribution: Sciences.

### **CHEM 1120 - General Chemistry II Lab (1)**

Continued studies in general chemistry laboratory techniques. Designed for transfer students with credit for General Chemistry II lecture. Continuation of CHEM 1110. Prerequisite: Credit for General Chemistry II lecture and approval of instructor. Laboratory fee.

Distribution: Sciences.

**CHEM 1191 - Seminar (1)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

**CHEM 1193 - Chemical Research (1)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

**CHEM 1291 - Seminar (2)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

**CHEM 1293 - Chemical Research (2)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

**CHEM 1390 - Independent Learning (3)**

Studies in Chemistry involving either use of chemical literature or laboratory techniques or both. Prerequisite: Permission of department chairperson.

Distribution: Sciences.

**CHEM 1391 - Seminar (3)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

**CHEM 1393 - Chemical Research (3)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

**CHEM 1400 - Chemistry and Society (4)**

This course is designed to meet the requirements for a laboratory science course for students who do not plan to major in Biology or Chemistry. The course will not meet requirements for Nursing or other Health Careers students. In addition to providing an introduction to some basic concepts of Chemistry, the course is designed to acquaint students with the impact of current science and technology on their everyday lives by examining the chemistry of life, food additives, drug, detergents, cosmetics, paints, space, and others. The course will not count toward a Chemistry major or minor. Laboratory fee.

Distribution: Sciences.

**CHEM 1401 - Introduction to Forensic Science (4)**

This is an introductory, applied course for students who are not planning to major in Biology or Chemistry, but who are interested in the technical methods used to enforce our criminal and civil laws. Students with interests in the scientific aspects of the Criminal Justice field or those who desire additional knowledge of the capabilities of a typical crime laboratory extending beyond that of magazine articles or televised programs, will benefit from the material. Real life examples of the principles and techniques of physical and natural science as practiced and applied to the analysis of crime scenes are to be discussed. Laboratory fee.

Distribution: Sciences.

**CHEM 1402 - Environmental Science (4)**

Environmental Science is a course designed for students who are not planning to major in Biology or Chemistry. Using the global approach, the course will focus on environmental principles, problems, and potential solutions. A chemical emphasis will be given where applicable to such topics as materials, waste management and waste treatment, energy resources, population increases, water and water pollution, air and air pollution, using and misusing land, and environmental legislation. The laboratory activities will reinforce concepts covered in the classroom with experiments and demonstrations. (same as ENVR 1402) Laboratory fee.

Distribution: Sciences.

**CHEM 1410 - General Chemistry I (4)**

This course is designed to prepare the natural science major, as well as pre-health professions students, for additional studies in chemistry. Fundamental topics in chemistry including atomic theory, stoichiometry, solutions, gases, thermochemistry, quantum theory, the periodic table, and chemical bonding are covered, including calculations methods. General techniques and fundamental properties are emphasized in the laboratory.



Prerequisite: Credit or concurrent enrollment in MATH 1306 or MATH 1320, or adequate high school background.

Distribution: Sciences.

#### **CHEM 1420 - General Chemistry II (4)**

Continuation of CHEM 1410. Condensed phases, solution properties, kinetics, equilibria, acid-base systems, thermodynamics, electrochemistry, and nuclear chemistry are covered. General techniques and fundamental properties are emphasized in the laboratory. Prerequisite: CHEM 1110/1410.

Distribution: Sciences.

#### **CHEM 1430 - The Science of Music (4)**

An introduction to the scientific background of music including classical mechanics, oscillating systems and acoustics, the nature of matter, and materials science. The course will emphasize physical principles which provide a firm foundation in acoustical phenomena, room acoustics and the physics and chemistry of musical instruments. This course will be especially useful to the music student. Three hours lecture and two hours laboratory per week. Designed for non-science majors. Laboratory fee.

Distribution: Sciences.

#### **CHEM 1441 - College Chemistry (4)**

This course is designed to provide the pre-nursing student with a fundamental understanding of general chemical principles. Atomic structure, bonding, nomenclature, chemical equations, and a problem-solving approach to stoichiometry, gases, solutions, acids and bases, and oxidations-reduction are covered. Basic techniques and fundamental properties are emphasized in the laboratory. This course does not fulfill the prerequisite for CHEM 1420. Laboratory fee.

Distribution: Sciences.

#### **CHEM 1491 - Seminar (4)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 1493 - Chemical Research (4)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 2181 - Introduction to Chemical Research-Capstone I (1)**

An introduction to the methods of Chemical Research, including literature studies; the design, execution and analysis of experiments; and the documentation and presentation of results. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 2191 - Seminar (1)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 2193 - Chemical Research (1)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 2291 - Seminar (2)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 2293 - Chemical Research (2)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 2391 - Seminar (3)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 2393 - Chemical Research (3)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may

range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 2440 - Foundations of Bio-Organic Chemistry (4)**

Important organic and biological compounds and their physical and chemical properties will be covered with additional study given to their roles in biochemical processes. Prerequisite: CHEM 1441 or equivalent. Laboratory fee. As needed.

Distribution: Sciences.

#### **CHEM 2491 - Seminar (4)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 2493 - Chemical Research (4)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 3001 - Lab Assistantship (0)**

Faculty-directed experience in assisting with laboratory studies. May be repeated subject to availability of assignments. Prerequisite: Approval of department chairperson.

Distribution: Sciences.

#### **CHEM 3110 - Organic Chemistry I Lab (1)**

Laboratory component of Organic Chemistry I. Preparation of representative organic compounds and introduction to qualitative and quantitative organic analysis. Designed for transfer students with credit for Organic Chemistry I lecture. Prerequisite: Credit for an Organic Chemistry I lecture course and approval of instructor. Lab fee.

Distribution: Sciences.

#### **CHEM 3120 - Organic Chemistry II Lab (1)**

Laboratory component of Organic Chemistry II. Continued studies in Organic Chemistry laboratory techniques. Designed for transfer students with credit for Organic Chemistry II lecture. Prerequisite: Credit for an Organic Chemistry II lecture course and approval of instructor. Lab fee.

Distribution: Sciences.

#### **CHEM 3130 - Pre-Med Seminar (1)**

Mentorship fore pre-med and other pre-health professions students. Surveys the preparation for and procedure of applying to medical and other health professions schools. Provides information on locating necessary resources and effective scheduling to meet deadlines in submitting documents, and taking exams such as the MCAT.

Distribution: Sciences.

#### **CHEM 3191 - Seminar (1)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 3193 - Chemical Research (1)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 3291 - Seminar (2)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 3293 - Chemical Research (2)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 3391 - Seminar (3)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 3393 - Chemical Research (3)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may

range between 1 and 4 or Freshman through Senior level. Laboratory fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 3400 - Quantitative Analysis (4)**

Fundamental methods and theories of acid-base, precipitation, complex-formation, oxidation-reduction titration, and gravimetric methods of analysis. Prerequisite: CHEM 1420. Lab fee.

Distribution: Sciences.

#### **CHEM 3410 - Organic Chemistry I (4)**

A systematic study of carbon compounds. Laboratory work consists of preparation of representative organic compounds and an introduction to qualitative and quantitative organic analysis. Prerequisite: CHEM 1410. Lab fee.

Distribution: Sciences.

#### **CHEM 3420 - Organic Chemistry II (4)**

A continuation of CHEM 3410. Prerequisite: CHEM 3410. Lab fee.

Distribution: Sciences.

#### **CHEM 3440 - Physical Chemistry I (4)**

Kinetic theory; classical thermodynamic principles with an introduction to statistical thermodynamics; thermodynamics of chemical reactions and equilibrium; reaction kinetics and modern structural concepts. Prerequisites: CHEM 1420 and Credit for or concurrent enrollment in MATH 1330 and PHYS 2411 or PHYS 2421. Lab fee.

Distribution: Sciences.

#### **CHEM 3450 - Physical Chemistry II (4)**

A continuation of CHEM 3440. Prerequisites: CHEM 1120/1420 and credit for or concurrent enrollment in MATH 1330 and PHYS 2411 or PHYS 2421. Lab fee.

Distribution: Sciences.

#### **CHEM 3480 - Environmental Chemistry (4)**

A study of the principles and concepts of Environmental Chemistry. The chemical processes of the atmosphere, hydrosphere, and lithosphere will be investigated. The effect of man-made pollutants on these chemical processes will also be studied. Laboratory will focus on environmental sampling and analysis techniques. Lab fee. Prerequisite: CHEM 3400.

Distribution: Sciences.

#### **CHEM 3491 - Seminar (4)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

#### **CHEM 3493 - Chemical Research (4)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 4001 - Lab Assistantship (0)**

Faculty-directed experience in assisting with laboratory studies. May be repeated subject to availability of assignments. Prerequisite: Approval of instructor.

Distribution: Sciences.

#### **CHEM 4025 - Surgical Scholars (0)**

The Surgical Scholars Program includes discussions with and shadowing of surgeons, as well as other activities designed to provide students additional preparation for career choices and medical school. Enrollment is by application only. Background check and drug screening are required. Prerequisite: Meet minimum application requirements and approval of the Associate Dean for Natural Sciences. Course fees.

Distribution: Sciences.

#### **CHEM 4090 - Senior Evaluation (0)**

Students majoring in chemistry must complete the chemistry achievement examination prior to graduation. Prerequisite: Consent of department chairperson. Fee.

Distribution: Sciences.

#### **CHEM 4160 - Practicum in Clinical Chemistry (1)**

Supervised study will be carried out at the Veterans Administration facilities in Temple, Texas, or at an equivalent site. The study may involve applied clinical laboratory activities or more basic research programs. Supervision and evaluation of the study will be conducted by designated member(s) of the staff at the site. The student will normally be expected to write a formal report covering work done. A written examination and/or oral examination may be given at the conclusion of the study. Lab fee. Prerequisite: A minimum of 28 semester hours of Chemistry. In addition, a student may enroll for this course only after receiving the joint approval of the department chairperson and the supervising official(s) at the site. May be repeated up to a maximum of 6 semester hours of credit.

Distribution: Sciences.

### **CHEM 4181 - Chemical Research-Capstone II (1)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required. Library work and a written report may also be required. Prerequisite: approval of instructor.

Distribution: Sciences.

### **CHEM 4183 - Seminar - Capstone III (1)**

Requirements may include a literature search, oral presentation, and formal paper describing the studies and results of the student's work in CHEM 4181. Prerequisite: CHEM 4181 and approval of instructor.

Distribution: Sciences.

### **CHEM 4191 - Seminar (1)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: permission of instructor.

Distribution: Sciences.

### **CHEM 4193 - Chemical Research (1)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

### **CHEM 4260 - Practicum in Clinical Chemistry (2)**

Supervised study will be carried out at the Veterans Administration facilities in Temple, Texas, or at an equivalent site. The study may involve applied clinical laboratory activities or more basic research programs. Supervision and evaluation of the study will be conducted by designated member(s) of the staff at the site. The student will normally be expected to write a formal report covering work done. A written examination and/or oral examination may be given at the conclusion of the study. Laboratory fee. Prerequisite: A minimum of 28 semester hours of Chemistry. In addition, a student may enroll for this course only after receiving the joint approval of the department chairperson and the supervising official(s) at the site. May be repeated up to a maximum of 6 semester hours of credit.

Distribution: Sciences.

### **CHEM 4291 - Seminar (2)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: permission of instructor.

Distribution: Sciences.

### **CHEM 4293 - Chemical Research (2)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor

Distribution: Sciences.

### **CHEM 4300 - Safety in the Academic Laboratory (3)**

An introduction to legal aspects of academic laboratory safety, basic concepts of a laboratory safety program, Material Safety Data Sheets, and waste disposal for academic science laboratories K-12. Prerequisite: Approval of instructor.

Distribution: Sciences.

### **CHEM 4310 - Handling Hazardous Materials (3)**

A study of the principles and methods of handling hazardous materials in the workplace. Coverage includes the nature and scope of hazards in the workplace and an overview of regulations of hazardous materials and worker safety, occupational diseases, fundamentals of industrial hygiene, basic concepts of toxicology, and an introduction to risk assessment. Prerequisite: Approval of instructor.

Distribution: Sciences.

### **CHEM 4311 - Environmental Issues (3)**

Concepts of Environmental Science will be introduced. Study will focus on the major environmental issues of the day, including technological, economic, and ethical aspects of these issues. Methods of risk-benefit analysis will be presented. Prerequisite: Approval of instructor.

Distribution: Sciences.

### **CHEM 4345 - Advanced Biochemistry (3)**

A survey of molecular processes within living systems. Topics include, but are not limited to: replication, transcription, and translation. The course builds on the topics that are covered in CHEM 4430. Prerequisite: CHEM 4430 with a "C" or higher.

Distribution: Sciences.

### **CHEM 4350 - Advanced Inorganic Chemistry (3)**

Theories of bonding in inorganic systems, coordination chemistry, mechanisms of inorganic reactions, acid-base

theory, Born-Haber cycles, oxidation potential, and structured concepts. Prerequisite: Credit in a 3000-level Chemistry course.

Distribution: Sciences.

### **CHEM 4360 - Practicum in Clinical Chemistry (3)**

Supervised study will be carried out at the Veterans Administration facilities in Temple, Texas, or at an equivalent site. The study may involve applied clinical laboratory activities or more basic research programs. Supervision and evaluation of the study will be conducted by designated member(s) of the staff at the site. The student will normally be expected to write a formal report covering work done. A written examination and/or oral examination may be given at the conclusion of the study. Laboratory fee. Prerequisite: A minimum of 28 semester hours of Chemistry. In addition, a student may enroll for this course only after receiving the joint approval of the department chairperson and the supervising official(s) at the site. May be repeated up to a maximum of 6 semester hours of credit.

Distribution: Sciences.

### **CHEM 4391 - Seminar (3)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

### **CHEM 4393 - Chemical Research (3)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Course level ("V ") may range between 1 and 4 or Freshman through Senior level. Laboratory Fee. Prerequisite: Approval of instructor.

Distribution: Sciences.

### **CHEM 4430 - Biochemistry (4)**

A survey of life molecules with emphasis on their roles in metabolic processes. The laboratory is an introduction to classical biochemical techniques. Prerequisite: CHEM 3410 and CHEM 1420. Lab fee.

Distribution: Sciences.

### **CHEM 4440 - Instrumental Analysis (4)**

Theoretical basis for an application of instrumental methods of chemical analysis, including a wide variety of spectral and chromatographic techniques. Prerequisites: a 3000-Level chemistry course with a "C" or higher, or CHEM 1420 with a "C" or higher and permission of the instructor. Lab fee.

Distribution: Sciences.

### **CHEM 4460 - Practicum in Clinical Chemistry (4)**

Supervised study will be carried out at the Veterans Administration facilities in Temple, Texas, or at an equivalent site. The study may involve applied clinical laboratory activities or more basic research programs. Supervision and evaluation of the study will be conducted by designated member(s) of the staff at the site. The student will normally be expected to write a formal report covering work done. A written examination and/or oral examination may be given at the conclusion of the study. Laboratory fee. Prerequisite: A minimum of 28 semester hours of Chemistry. In addition, a student may enroll for this course only after receiving the joint approval of the department chairperson and the supervising official(s) at the site. May be repeated up to a maximum of 6 semester hours of credit.

Distribution: Sciences.

### **CHEM 4491 - Seminar (4)**

Requirements may include a literature search, oral presentation, and written abstract on a relevant topic in Chemistry. Prerequisite: Permission of instructor.

Distribution: Sciences.

### **CHEM 4493 - Chemical Research (4)**

Students will conduct chemical research in collaboration with a faculty member. A minimum of 3 clock hours of laboratory work per week will be required for each semester hour of credit. Library work and a written report of work will also be required. Prerequisite: Approval of instructor.

Distribution: Sciences.

### **CHEM 4560 - Practicum in Clinical Chemistry (5)**

Supervised study will be carried out at the Veterans Administration facilities in Temple, Texas, or at an equivalent site. The study may involve applied clinical laboratory activities or more basic research programs. Supervision and evaluation of the study will be conducted by designated member(s) of the staff at the site. The student will normally be expected to write a formal report covering work done. A written examination and/or oral examination may be given at the conclusion of the study. Laboratory fee. Prerequisite: A minimum of 28 semester hours of Chemistry. In addition, a student may enroll for this course only after receiving the joint approval of the department chairperson and the supervising official(s) at the site. May be repeated up to a maximum of 6 semester hours of credit.

Distribution: Sciences.

### **CHEM 4660 - Practicum in Clinical Chemistry (6)**

Supervised study will be carried out at the Veterans Administration facilities in Temple, Texas, or at an

equivalent site. The study may involve applied clinical laboratory activities or more basic research programs. Supervision and evaluation of the study will be conducted by designated member(s) of the staff at the site. The student will normally be expected to write a formal report covering work done. A written examination and/or oral examination may be given at the conclusion of the study. Lab fee. Prerequisite: A minimum of 28 semester hours of Chemistry. In addition, a student may enroll for this course only after receiving the joint approval of the department chairperson and the supervising official(s) at the site. May be repeated up to a maximum of 6 semester hours of credit.

Distribution: Sciences.

## CISC - Computer Science

### CISC 1305 - Introduction to Computing (3)

The course examines the various aspects of Computer and Engineering Sciences. Topics will include the basic concepts of structured programming, structured systems design and development alternatives, systems environments, hardware organization and architecture, telecommunications, operating systems, computer graphics design, technology training, and multimedia. Lab fee.

Distribution: Sciences.

### CISC 2315 - Discrete Structures of Computer & Engineering Sciences (3)

A foundational course designed to introduce students to the concepts of discrete structures for Computer Science and to prepare them for courses that will utilize the methods they have mastered. Students will have practical experience using various discrete structure techniques to solve problems in Computer Science. Topics covered will be propositional and predicate logic, inference, functions, Boolean algebra, combinational digital logic, discrete probability, finite state machines and computability. Topics also covered are sets, recursive programs, graphs, trees, and lists. Prerequisite: CISC 1305 or ENGR 1320. Lab Fee.

Distribution: Sciences.

### CISC 2330 - Introduction to Object-Oriented Programming (3)

A foundational course designed to be a first course in object-oriented programming. The emphasis is on basic structured programming techniques including program design, problem-solving and data manipulation. Students will use the "Java" programming language to facilitate learning. Prerequisite: CISC 1305 or ENGR 1320. Lab fee.

Distribution: Sciences.

### CISC 3321 - Object Oriented Development (3)

The course introduces students to intermediate topics involved in developing object-oriented systems. Students are expected to develop working knowledge of classes with Object-Oriented Programming (OOPs) tools. Non-programming techniques to solve problems, i.e., algorithms, will be emphasized in this course. Students will use the "C++" programming language to facilitate learning. Lab fee. Prerequisite: CISC 2330.

Distribution: Sciences.

### CISC 3322 - Web Development (3)

The study of the concepts and techniques used in the development of web applications, with an emphasis on the client-side web technologies. Topics include HTTP, HTML, CSS, JavaScript and PHP. Prerequisites, CISC 2330. Lab fee.

Distribution: Sciences.

### CISC 3323 - Algorithms & Data Structures (3)

This course is a systematic study of the techniques used to develop quality-programming designs. Using the Python programming language, students will learn to 1) develop data structures such as stacks, queues, lists, and trees, graphs and 2) use programming algorithms that involve searching, sorting and recursion. Prerequisite: CISC 2315. Lab Fee.

Distribution: Sciences.

### CISC 3325 - Telecommunications & Networks (3)

The course covers telecommunications, network terminology, and specific standards employed to create and maintain networks both locally, nationally, and globally. Topics covered include the ISO model, World Wide Web, network topologies, protocols, and security. Prerequisite: CISC 2315. Lab Fee.

Distribution: Sciences.

### CISC 3341 - Operating Systems (3)

Introduction to theoretical concepts embedded in modern operating systems and utilized historically by the computer industry serve as the foundation of the course. Workstation, and server operating systems, i.e. MS Windows, and Linux, will be discussed. Topics include process and inter-process management, main and virtual memory, algorithms to control critical region and deadlocks. Lab fee. Prerequisite: CISC 2315 and CISC 2330.

Distribution: Sciences.

### CISC 3360 - Computer Organization & Architecture (3)

The course will introduce PC microprocessor structures and the instruction set, addressing techniques, relocation, binding, and parameter passing. The course will also cover

gates, registers, decoders, encoders, multiplexers, adders, multipliers, busses, memory, I/O devices and interfaces, clocks, cycles, control signals. Lab fee. Prerequisite: CISC 2315 and CISC 2330.

Distribution: Sciences.

### **CISC 3390 - Independent Study (3)**

Independent problem research under the guidance of a faculty member. Course level ("V") may range between 2 and 4, or sophomore through senior level, respectively. One to four hours of credit. Lab fee. Administration fee. Prerequisite: Written consent of the supervising professor, department chairperson, and Dean prior to registration.

Distribution: Sciences.

### **CISC 4310 - Artificial Intelligence (3)**

This course introduces students to the field of artificial intelligence (AI) through investigation of some of the basic structures in use. As AI is becoming ever more prevalent in a variety of industries, such as the automotive, aerospace, technology, industrial design and gaming industries, a diverse selection of AI strategies will be considered. Topics to be covered include automations, decision structures, Bayesian networks, machine learning, and neural networks. Students will build AI agents to solve simple problems. Prerequisites: CISC 3323 and MATH 1330. Lab fee.

Distribution: Science.

### **CISC 4321 - Advanced Object-Oriented Development (3)**

The course addresses the issues involved in developing advanced object-oriented systems. Students develop an object oriented application system with CASE tools and Object-Oriented Technologies (OOTS). Prerequisite: CISC 3321. Lab fee.

Distribution: Sciences.

### **CISC 4323 - Structured Design of Software (3)**

The course introduces the software engineering topic of structured design of software. Prerequisite: CISC 3323. Lab fee.

Distribution: Sciences.

### **CISC 4324 - Network Security (3)**

The course introduces the topic of security in the context of computer networks. The course examines topics such as authentication, intrusion detection, firewalls, risk assessment, and integrity of data transmitted over the internet. Prerequisite: CISC 3325. Lab fee.

Distribution: Sciences.

### **CISC 4325 - Network Security II: Cryptography (3)**

The course introduces the topics of cryptography in the context of computer network security. Students examine topics such as basic key encryption, message integrity, hashing functions, public keys, encryption, digital signature, authentication, key and wireless computing. Prerequisite: CISC 3325. Lab fee.

Distribution: Sciences.

### **CISC 4327 - Database Theory and Application (3)**

Introduction to database systems. Relational database topics include data modeling, query languages, database design, and query optimization. Alternative data management approaches will be converted including semi-structured data, XML, and text retrieval. Application topics will include web data management, integration of data sources, security, and data mining. Prerequisites: CISC 3322. Lab fee.

Distribution: Sciences.

### **CISC 4328 - Computer Security (3)**

This course provides a broad introduction to the theory and practice of computer systems security. Topics include operating system security, computer application security (e.g., Web, Email), software security, malicious software, and security issues in mobile computing. Prerequisites: CISC 3341.

Distribution: Sciences.

### **CISC 4335 - Big Data (3)**

This course will examine the theories and applications to analyze the big data. It will introduce the big data cloud computing environment and various applications such as Hadoop, Spark and Hive that can be integrated with various database systems and machine learning algorithms. Lab fee. Prerequisite: CISC 3323. Lab fee.

Distribution: Sciences.

### **CISC 4340 - Data Analysis and Visualization (3)**

This course will examine various data types and methods to analyze and visualize the data. It will cover the data pipeline: data collection, cleaning, exploration, modeling, visualization and applications. Lab fee. Prerequisite: CISC 3323. Lab fee.

Distribution: Sciences.

### **CISC 4347 - Graphics Programming (3)**

The course will cover the basic algorithms, techniques, principles for design, use and understanding of graphical display. Students will implement two-dimensional renderings of mathematical and scientific data as well as photo-realistic objects. In addition, design of Graphical User Interface (GUI) will be covered. Prerequisites: CISC 3321 and MATH 2320. Lab fee.

Distribution: Sciences.

### **CISC 4349 - Graphical Games Programming (3)**

In this course, students work both independently, and in groups, to develop, either from the scratch or template, meaningful graphical games using the JAVA language. Students study various graphical game engines & techniques, i.e. real-time 2D/3D graphics, lighting, terrain and texture mapping, visibility and occlusion, collision detection and avoidance, character animation, and Artificial Intelligence characters. We will explore two-dimensional and three-dimensional renderings of mathematical and scientific data (such as fractals), as well as photo-realistic objects using C++. Important notice: At least fifteen (15) contact hours, as well as a minimum of thirty (30) hours of student homework is required for each credit hour. Mode of delivery will consist of lectures and lab work. Prerequisite: CISC 3321 or equivalent. Lab fee.

Distribution: Sciences.

### **CISC 4352 - System Programming (3)**

The course examines various components of supervisory systems: assembler, linker, loader, monitors, interrupts, processors, I/O routines, etc. Particular emphasis will be given to applying the concepts of computer architecture to graphical programming. Prerequisite: CISC 3360 or ENGR 3337. Lab fee.

Distribution: Sciences.

### **CISC 4370 - Computer Science & Engineering Ethics Seminar (3)**

The "cap-stone" course for all CS majors begins with a seminar-style discussion of crucial aspects of computer ethics. In light of these discussions, students will then employ development techniques in the design and implementation of a hardware/software solution for a current topic of Computer Science. Prerequisite: A Junior-standing CSE major and WRIT 3344. Lab fee.

Distribution: Sciences.

### **CISC 4390 - Independent Study (3)**

Independent problem research under the guidance of a faculty member. Course level ("V") may range between 2 and 4, or sophomore through senior level, respectively. One to four hours of credit. Lab fee. Administration fee. Prerequisite: Written consent of the supervising professor, department chairperson, and Dean prior to registration.

Distribution: Sciences.

### **CISC 4395 - Internship (3)**

This course permits students to enhance their knowledge within a field of Computer Science specialization through application of concepts, principles, and techniques learned in the classroom. The course will consist of supervised unpaid or paid work as a professional-level intern for an

employer with an approved internship program.

Application must be approved prior to registration.

Prerequisites: written consent of department chairperson.

Administration fee required.

Distribution: Sciences.

## **COMM - Communication**

### **COMM 1180 - Communication Foundations (1)**

An overview of the various communication majors, including career options, with a discussion of vocation and calling. Students will also begin work on their portfolio and discuss various sub-disciplines within the communication field.

Distribution: Humanities.

### **COMM 1315 - Introduction to Communication (3)**

A survey course designed to introduce the student to all types of communication study, including interpersonal, small group, public and mass communication environments. Emphasis is on understanding how communication sub-disciplines interrelate on a theoretical level. This course is part of the communication core common to all majors in the department.

Distribution: Humanities.

### **COMM 1320 - Public Speaking (3)**

A study of the principles of effective speaking. Practice in creating, organizing, and presenting informative, persuasive, and entertaining speeches.

Distribution: Humanities.

### **COMM 2180 - Practicum in Communication (1)**

Discussion of vocation and calling, with an emphasis on writing and speaking about one's career in communication. Continued development of student portfolios. Prerequisite: COMM1180 or permission of instructor.

Distribution: Humanities.

### **COMM 2320 - Introduction to Mass Media (3)**

Survey of mass media effects and careers. Study includes the history and use of books, magazines, newspapers, radio, movies, music, television, digital media, advertising and public relations. Emphasis on media-particularly social, political, economic and legal. Topics focus on media theory, ethics and trends in commercialization conglomeration, converging technologies and globalization. This course is part of the communication core common to all majors in the department and is a Writing Emphasis (WE) course.

Distribution: Humanities.



**COMM 2330 - Copy Editing (3)**

Essential course of Mass Communication majors. Teaches students how to identify grammar, spelling and punctuation errors, improve clarity, remedy inconsistencies and redundancies. Students will learn to edit information in accordance with writing standards for journalism and public relations according to the Associated Press Stylebook. Prerequisite (or concurrent enrollment): COMM 2360- Intro to Media Writing.

Distribution: Humanities.

**COMM 2360 - Introduction to Media Writing (3)**

Students will learn interviewing techniques; and the location, retrieving, assessing, and verifying of information; advanced writing techniques in news, features, entertainment, sports, columns, and editorials. Basic proficiency in the use of a digital camera, the Associated Press stylebook, and layout, design, and editing software is required. Portfolio required. Prerequisite: ENGL 1321 and 1322 (or equivalent) and COMM 2320 (credit or concurrent enrollment).

Distribution: Humanities.

**COMM 2370 - Introduction to Public Relations (3)**

An introductory survey of public relations history, definition, principles, practices and codes of ethics. Career options and trends in business, government, non-profits and other entities are also discussed. Prerequisite (or concurrent enrollment) COMM 2360.

Distribution: Humanities.

**COMM 2390 - Introduction to Film Studies (3)**

A survey of the film industry and the process of making motion pictures. Special attention given to the basics of film directing, acting, editing, cinematography and design, and to career paths in film and television. Prerequisite: COMM 2320

Distribution: Humanities.

**COMM 3310 - Persuasion (3)**

The study of the process of attitude change from a psychological and a rhetorical perspective. Students will read texts, study persuasive artifacts (including advertisements, films, novels, and newspaper articles), write papers, and give oral presentations to the class. Prerequisite: COMM 1320.

Distribution: Humanities.

**COMM 3320 - Storytelling (3)**

This course covers the oral interpretation of literature. Students will study techniques of and gain practical experience in expressive reading aloud and in telling stories. Recommended for those certifying to teach and for those interested in working with youth.

Distribution: Humanities.

**COMM 3325 - Advanced Public Speaking (3)**

Discussion of the history and the societal impact of oral communication. Creation and delivery of extended, challenging speeches. Prerequisite: COMM 1320.

Distribution: Humanities.

**COMM 3330 - Photojournalism (3)**

Relying on historic and iconic photographs that tell a story, this course covers a variety of photojournalistic subjects including general news, sports, features and caption writing and politics. Students will study major historical events in photojournalism, identify ethical issues and review their relevance to today's photojournalists. Students are required to spend a time with a story in order to accurately photograph news events and get enough photos to effectively illustrate the story. Prerequisites: COMM 2330 & COMM 2360.

Distribution: Humanities.

**COMM 3335 - Film Appreciation (3)**

This class introduces the film styles of narrative films, documentary films, and stylistic techniques used in filmmaking in order to understand better how meaning is constructed, conveyed, and interpreted in film. This course is for students who are not majoring or minoring in film studies.

Distribution: Humanities.

**COMM 3340 - Screenwriting (3)**

An introduction to the process of writing screenplays for television and film. Topics covered include character development, genre, plot structure, dialogue, audience analysis and writing/revision. Other topics covered at instructor's discretion.

Distribution: Humanities.

**COMM 3343 - Documentary Filmmaking (3)**

Production of a documentary project from idea through final cut, culminating in a public screening. Course Fee.

Distribution: Humanities.

**COMM 3345 - Film History and Criticism (3)**

A study of the history and expression of film art throughout the world. Students will view films from all eras of film history and from a variety of cultures and nations of the world, and engage with them using classic and contemporary critical theory. Prerequisite: COMM 2390 or permission of instructor.

Distribution: Humanities.

**COMM 3350 - Competitive Oral Interpretation (3)**

A survey of essential material for participation in interpretive individual events in forensic competition and training in vocal health and production, accent, and dialect.

Distribution: Humanities.

**COMM 3351 - Argumentation & Debate (3)**

An introduction to theory and practice of academic debate and the argumentation principles which underlie them.

Distribution: Humanities.

**COMM 3365 - Advanced Media Writing and Design (3)**

Integrates interviewing, writing, and reporting skills to produce in-depth stories. Mastery of Associated Press stylebook required. Students will study investigative reporting, social science reporting, multiple-interview projects, and New Journalism. Requires digital camera skills as well as online and print design/production skills using layout, design, and editing software. Portfolio required. Outstanding students may progress to a limited number of paid student publication staff positions. Lab fee. Prerequisite: COMM 2360.

Distribution: Humanities.

**COMM 3368 - Broadcasting (3)**

Students will write and edit news, conduct interviews and develop commercials for broadcast and new media, as well as train in the use of video camera and editing processes. Prerequisites: COMM 2360 and 3365.

Distribution: Humanities.

**COMM 3370 - Advanced Public Relations (3)**

This course will focus on specific topics such as PR theory and practice beyond the scope of the introductory course. This includes program planning, budgeting, media relations, social media and event planning. PR writing will be emphasized as well as building and managing organizational image. Prerequisites: COMM 2330 Copy Editing and COMM 2370 Intro to Public Relations.

Distribution: Humanities.

**COMM 3375 - Magazine Non-Fiction & Newspaper Feature Writing (3)**

Researching, interviewing, writing and editing for magazine non-fiction and newspaper feature articles, both online and print. Surveying various local, state, and national publications; identifying freelance markets with an emphasis on publication. Prerequisite: COMM 2360.

Distribution: Humanities.

**COMM 3385 - Special Topics in Rhetoric (3)**

Students will analyze and critique speeches and other rhetorical acts taken from a specific historical period or

social movement and evaluate them by applying theories of rhetorical action. Prerequisites: COMM 1320.

**COMM 3386 - African-American Rhetoric (3)**

Students will analyze and critique speeches and other rhetorical acts taken from the American civil rights movement and evaluate them by applying theories of rhetorical action. Prerequisite: COMM 1320

Distribution: Humanities.

**COMM 4150 - Review for Certification Exam (1)**

This class prepares the student for taking the state certification exams for secondary teaching.

Distribution: Humanities.

**COMM 4180 - Capstone Experience in Communication (1)**

Presentation of portfolios, exit surveys and a service-learning project. Writing assignments related to vocation, the student's sub-discipline of communication, and the service project. This is a Writing Emphasis (WE) course. Prerequisite: COMM 2180 or permission of instructor.

Distribution: Humanities.

**COMM 4195 - Internship: Print Communication (1)**

Part-time paid or unpaid field experience in print journalism. Students will pair with a mentor at a newspaper or magazine and learn writing, reporting, interviewing, time management, and research skills. Daily log of activities must be kept. Final paper and computer graphics presentation required upon completion. Prerequisite: COMM 3365 and senior standing (or permission of faculty advisor).

Distribution: Humanities.

**COMM 4196 - Internship: Broadcasting (1)**

Part-time paid or unpaid field experience in broadcast journalism. Students will pair with a mentor at a television or radio station and learn writing, reporting, camera operation, and research skills, as well as become familiar with editing, voice-overs, and other aspects of audio/video production. Daily log of activities must be kept. Final paper and computer graphics presentation required upon completion. Prerequisite: COMM 3365 and 3368 and senior standing (or permission of faculty advisor).

Distribution: Humanities.

**COMM 4197 - Internship: Public Relations (1)**

Part-time paid or unpaid field experience in public relations. PR track students must complete THREE separate internships (4197.01, 4197.02, and 4197.03). Each internship is 70 hours. Students are responsible for securing their own PR internships. The PR program coordinator must approve each PR internship beforehand.

Students will pair with a PR mentor/organization and learn practical PR skills.

Distribution: Humanities.

### **COMM 4198 - Internship: Online Journalism (1)**

Part-time paid or unpaid field experience in online journalism. Students will pair with a mentor at a newspaper or magazine and learn production skills related to online newspapers and magazines and the social media aspects of print media. Daily log of activities must be kept. Final paper and computer graphics presentation required upon completion. Prerequisite: COMM 3365 or 3375, a 3.0 GPA in the major, and senior standing or permission of faculty advisor.

Distribution: Humanities.

### **COMM 4320 - The Business of Media (3)**

In conjunction with the Sundance Film festival, this course will cover the business decisions that a filmmaker needs to think about in regards to their finished film. A course fee will be required and will cover the expense of travel, lodging, food and applicable fees for attending the festival.

Distribution: Humanities.

### **COMM 4325 - Freelancing (3)**

This course will focus on traditional film and media production in addition to the skills required by the role of a freelance media person once you graduate.

Distribution: Humanities.

### **COMM 4330 - Special Topics in Public Relations (3)**

This course focuses on contemporary issues in PR. Today's PR professionals have to be prepared to respond to various levels of crisis. Students will evaluate crisis situations, learn to create strategic communication plans and manage the media, while maintaining the organization's reputation. Possible topics include: strategic social media management, digital competencies, graphic design, crisis communications, digital customer service, reputation management, etc. Prerequisites: COMM 2330- (or concurrent enrollment) and COMM 2370.

Distribution: Humanities.

### **COMM 4340 - Law and Regulation of the Mass Media (3)**

Discussion of legal concepts in mass communication and journalism, including libel, obscenity, privacy, copyright, and telecommunications issues. Students will give in-class presentations on legal controversies and important court cases in the mass communication field. Prerequisite: COMM 2320 and 2360.

Distribution: Humanities.

### **COMM 4375 - Special Topics in Film (3)**

In-depth analysis of a specific subject in film studies. Possible topics include animation, film acting, the independent film industry, and Christian engagement with film. Students will learn in a seminar environment by researching and presenting scholarly analyses of the course topic under the guidance of the instructor. Prerequisite: COMM 2390 and 3345 or permission of instructor. Course fee.

Distribution: Humanities .

### **COMM 4377 - Narrative Film Production (3)**

With an emphasis on low-budget, independent film and video making, students will study all aspects of narrative film production from idea generation, conceptualization and scripting through post-production. Course fee.

Distribution: Humanities.

### **COMM 4380 - Capstone in Communication (3)**

Students will present their portfolios of work created while at UMHB and will take part in exit interviews and surveys; a student-driven seminar discussing the place of communication in the wider world, and a service project. This course is part of the communication core common to all majors in the department and is a Writing Emphasis (WE) course. Prerequisite: Graduating senior status.

Distribution: Humanities.

### **COMM 4385 - Internship in Speech Education (3)**

Students will work with a mentor in a speech classroom, in a local high school and learn effective pedagogical techniques in speech.

Distribution: Humanities.

### **COMM 4390 - Independent Study (3)**

Possible topics might include Introduction to Advertising, Online Journalism, Video Editing, Popular Culture and the Mass Media, Theories of the Mass Media, etc.

Distribution: Humanities.

### **COMM 4395 - Internship in Communication (3)**

Part-or full-time field experience in a communication-related field off campus. Students will keep a log of all activities and report to the sponsoring faculty member as required. On-site mentors will evaluate student's performance of agreed-upon tasks. Prerequisite: junior standing and permission of faculty advisor.

Distribution: Humanities.

## CRIJ - Criminal Justice

### **CRIJ 1310 - Introduction to Criminal Justice (3)**

Introduction to Criminal Justice introduces the criminal justice system and focuses on the various processing stages, practices, and personnel in the criminal justice system. This course examines the problem of crime in American society. Both historical and contemporary components of the system, including the police, the courts, and correctional agencies are explored. This course is designed to provide the student with a broad-based understanding of both and effects of crime upon communities, as well the criminal justice system response to crime in U.S. contemporary society.

Distribution: Sciences.

### **CRIJ 2215 - Writing in Criminal Justice (2)**

This course prepares students for writing criminal justice academics and vocations. Students will be instructed in writing for research and various types of field reports required in the criminal justice field. Students will compose professional emails and letters, learn the use of APA guidelines for research, and write case reports for police, corrections, and courts. Students will benefit from instructor feedback, assistance from the writing center, and opportunities for revision and resubmission of course assignments.

Distribution: Sciences.

### **CRIJ 2305 - Statistics for the Social Sciences (3)**

Emphasizes conducting and applying statistical analyses with real-world social science data. Students will utilize a statistical software package commonly used by social scientists to conduct and interpret descriptive and inferential statistics. Students completing the course will acquire the skills necessary to both conduct and interpret statistical analyses in social science settings. Pre-requisite: Math 1304 or higher. Same as PSYC 2316.

Distribution: Sciences.

### **CRIJ 2311 - Police Systems and Practices (3)**

This course offers an overview of the criminal justice system. It examines the nature and causes of crime, criminal law, constitutional safeguards, and the organization and operation of the criminal justice system including the police, courts, jails, prisons, probation and parole, community corrections, and juvenile justice. It briefly covers the history of crime in America and includes relevant terminology.

Distribution: Sciences.

### **CRIJ 2312 - Criminal Investigation (3)**

This course is designed to introduce students to criminal investigations. It will provide an overview of the evolution

of policing and investigation, rules of evidence and arrest, the crime scene, physical evidence, development of basic investigative leads, use of informants, interviewing and interrogation, investigating major crime categories, and ethical awareness.

Distribution: Sciences.

### **CRIJ 2316 - Social Problems (3)**

A study of the social problems of modern American life with emphasis upon their extent, effects, and suggested remedies. (Same as SOCI 2316)

Distribution: Sciences.

### **CRIJ 2330 - Fundamentals of Criminal Law (3)**

This course examines American crime problems in a historical perspective, examines crime causation, social and public policy factors affecting crime, the impact of crime and crime trends, social characteristics of specific crimes, and the prevention of crime.

Distribution: Sciences.

### **CRIJ 2334 - Courts and Criminal Procedure (3)**

This course provides a thorough understanding of basic court system procedures, criminal law concepts, beginning with their historical basis in the Constitution, and the jurisdiction of courts. Students will examine requirements that affect law enforcement practices and procedures. Topics will include confessions and interrogations, witness identifications, issues of due process, evidentiary processes and complications. During the course, students will examine criminal procedure in relation to landmark court decisions.

Distribution: Sciences.

### **CRIJ 2336 - Legal Aspects of Law Enforcement (3)**

This course introduces students to police authority. Discussions include responsibilities and constitutional restraints, laws of arrest, search and seizure, and police liability. Controversial issues of police authority, responsibility and constitutional restraints placed on criminal justice professionals will be examined.

Distribution: Sciences.

### **CRIJ 2341 - Correctional Systems and Practices (3)**

This course provides students with a historical examination of the development of corrections, the organization of correctional systems, the role of corrections, and institutional operations. Students will examine the evolving manner in which inmates have been treated and the controversies that remain in the system today. Student will learn the different perspectives of various members of society regarding corrections in America regarding alternatives to institutionalization, treatment and rehabilitation.

Distribution: Sciences.

### **CRIJ 2342 - Community Based Corrections (3)**

This course provides students with an overall coverage of the history, operations, and philosophy of community-based corrections. Students will be introduced to offender reintegration challenges and opportunities. In addition, students will learn behaviors, methods of properly managing offenders, and successful tools to prevent recidivism.

Distribution: Sciences.

### **CRIJ 3317 - Race and Ethnicity (3)**

A study of the social development of contemporary minority groups with emphasis on the psychological and sociological processes involved in prejudice. Prerequisite: SOCI 1311. (Same as SOCI 3317)

Distribution: Sciences.

### **CRIJ 3318 - Juvenile Delinquency (3)**

This course provides students with an overall coverage of the history, operations, and philosophy of community-based corrections. Students will be introduced to offender reintegration challenges and opportunities. In addition, students will learn the behaviors, methods of properly managing offenders, and successful tools to prevent recidivism. Prerequisite: SOCI 1311

Distribution: Sciences.

### **CRIJ 4090 - Senior Examination (0)**

Students majoring in Criminal Justice must complete the program's achievement examination prior to graduation.

Distribution: Sciences.

### **CRIJ 4317 - Criminology (3)**

An overview of crime in America, various theories concerning causes of crime, and the criminal justice system. (Same as SOCI 4317)

Distribution: Sciences.

### **CRIJ 4319 - Drugs, Society, & Criminal Justice (3)**

This course focuses on issues of drug use, misuse, and abuse. Special emphasis is given to the sociological aspects of drug-taking behavior, the relationship between drugs and crime, and the criminal justice system. Descriptions, classifications, and analyses are used to explore the extent of the drug problem. Prerequisite: SOCI 1311. (Same as SOCI 4319).

Distribution: Sciences.

### **CRIJ 4320 - Ethics in Criminal Justice (3)**

Ethical issues specific to the criminal justice system are examined. Legal, professional and personal ethical issues

and ethical dilemmas are discussed with implications for law enforcement, the courts, corrections, and community supervision. Prerequisite: Senior standing.

Distribution: Sciences.

### **CRIJ 4321 - Critical Issues in Criminal Justice (3)**

This course explores specialized issues in criminal justice relating to law enforcement, the courts, corrections, and community supervision. Issues of cultural diversity, community policing, and policy implications involving local and global criminal justice systems are examined. Prerequisite: Senior standing.

Distribution: Sciences.

## **CSBS - Biblical Studies**

### **CSBS 1311 - Engaging the Old Testament (3)**

Engaging the Old Testament students will explore the Hebrew Bible as Christian scripture. This study includes reading it in its ancient cultural context, examining issues of interpretation, and applying it to life.

Distribution: Christian Studies.

### **CSBS 1312 - Engaging the New Testament (3)**

Students will explore the New Testament as Christian scripture. This study includes reading it in its ancient cultural context, examining issues of interpretation, and applying it to life.

Distribution: Christian Studies.

### **CSBS 2302 - Introduction to Biblical Interpretation (3)**

This course informs students about the methodologies, principles, and concerns of biblical interpretation with an emphasis on application. Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CSBS 3320 - Jesus and the Gospels (3)**

This course is an intensive study of the Gospels within the socio-geographical context of the first century. Attention is given to a variety of topics such as Jesus' teachings concerning the Kingdom of God and the literary features of the Gospels along with their theological and implied ethical themes. Implications for contemporary life are included.

Prerequisites CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CSBS 3325 - Paul and His Writings (3)**

This course is an intensive study of Paul in his Jewish context with attention given to his mission in the Greco-Roman world, his writings in their first-century context,

and his understanding of the gospel. Implications for contemporary life are included. Prerequisites CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CSBS 4305 - The Writings (3)**

The course examines selected passages in the section of the Hebrew Bible known as the Writings (Psalms, Proverbs, Job, Song of Songs, Ruth, Lamentations, Ecclesiastes, Esther, Daniel, Ezra-Nehemiah, 1-2 Chronicles). Special attention is given to contemporary scholarship involving the Writings and to selected themes in the Writings relating to today's world. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

### **CSBS 4310 - The Latter Prophets (3)**

The course examines selected passages in the Latter Prophets (known as the Major and Minor Prophets). Special attention is given to contemporary scholarship involving the Latter Prophets and to selected themes in the Latter Prophets relating to today's world. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

### **CSBS 4320 - The Book of Revelation (3)**

This course is a study of the Revelation of John, particularly in light of its high Christology. Attention is given to its literary genre, linguistic and theological themes, literary features, and its relationship to apocalyptic literature and the imperial context. Implications for contemporary life are included. Prerequisites CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CSBS 4325 - First-Century Urban Christianity and New Testament Correspondence (3)**

This course is a study of the patterns of social life and conflict in first-century urban Christian communities indicated by ethical, social, and theological issues in New Testament letters such as 1 & 2 Corinthians and Romans in light of the material and cultural context of ancient cities such as Corinth and Rome. Implications for contemporary life are included. Prerequisites CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CSBS 4330 - Pentateuch (3)**

The course examines selected passages in the first five books of the Hebrew Bible. Special attention is given to contemporary scholarship involving the Pentateuch and to selected themes in the Pentateuch relating to today's world. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

### **CSBS 4331 - Former Prophets (3)**

The course examines selected passages in the Former Prophets (Joshua, Judges, 1-2 Samuel, and 1-2 Kings). Special attention is given to contemporary scholarship involving the Former Prophets and to selected themes in the Former Prophets relating to today's world. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

### **CSBS 4335 - Global Readings of the Gospels and Acts (3)**

This course is a study of Jesus and the early church through reading selected New Testament texts while listening to global voices. Personal and missional implications are included. Prerequisite CSBS 1312. (Same as CSIS 4335)

Distribution: Christian Studies.

### **CSBS 4341 - The Johannine Literature (3)**

This course is a study of the Gospel of John and the Johannine letters in their ancient setting with attention to literary features, themes, and application. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

## **CSBU- Christian Studies and Business**

### **CSBU 4190 - Transformational Development Capstone (1)**

Through readings, research and writing, Transformational Development students complete their university learning experience. The course emphasizes the formulation of theoretical, ethical and practical perspectives. Students complete program evaluations during the course. Course meets UMHB upper-level Writing Emphasis criteria. Prerequisite: Senior Standing.

Distribution: Christian Studies.

### **CSBU 4350 - Transformational Development Internship (3)**

This course permits students to enhance their knowledge within their major field of specialization through application of concepts, principles, and techniques learned in the classroom. It consists of supervised paid or unpaid activity as a professional-level intern for an employer or non-profit organization with an approved internship program or through guided experience. Application must be approved prior to registration. Prerequisite: Senior Standing.

Distribution: Christian Studies.

## CSCH - Church History

### CSCH 2318 - Introduction to Church History (3)

The course examines the origin, progress, and development of the Christian religion. Attention is given to major themes, movements, events, leaders, and developments. This course is designed as an orientation to the entire Christian tradition in its social and cultural setting. Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### CSCH 3310 - History of the Baptists (3)

The course examines the history of Baptists from their beginnings to the present, noting particularly the development in England and America. The basic concepts of Baptist doctrine and polity are viewed in their historical setting. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

### CSCH 4310 - Religion in America (3)

This course examines the origins and development of the American religious heritage with emphasis on organization, expansion, thought, worship, and impact on American society. Prerequisites: CSBS 1311, CSBS 1312, and CSCH 2318.

Distribution: Christian Studies.

### CSCH 4311 - Antisemitism, Christianity, and the Holocaust (3)

An examination of the development and manifestations of antisemitism throughout history (with special attention to Nazi Germany) including the present day with special emphasis on "Christian" antisemitism. Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### CSCH 4312 - History of Christian Missions (3)

This course examines the spread of Christianity with an emphasis upon the modern missionary movement. Prerequisites: CSBS 1311, CSBS 1312, and CSCH 2318.

Distribution: Christian Studies.

### CSCH 4373 - The Reformations of the 16 and 17 Centuries (3)

This course is a study and critique of the Protestant and Catholic Reformations. The Continental Reforms, English Reforms, and Counter Reformation will be examined with attention given to the reformation issues that confront the church today. Prerequisites: CSBS 1311, CSBS 1312 and CSCH 2318.

Distribution: Christian Studies.

### CSCH 4380 - Women in American Christianity (3)

This course examines the rich history of women in American Christian experience. Special attention is given to women's roles in awakenings, reform movements, and missions as well as their participation within denominational traditions. Prerequisites: CSBS 1311, CSBS 1312 and CSCH 2318.

Distribution: Christian Studies.

## CSIS- Christian Studies Intercultural Studies

### CSIS 3300 - Missiology (3)

This course is an introduction to biblical, historical, cultural, and strategic perspectives of Christian mission and missional living with a special focus on emerging issues in missiology and ministry in global contexts. Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### CSIS 3301 - Intercultural Perspectives (3)

This course examines various components of intercultural perspectives, focusing on cultural intelligence, with implications for effective intercultural communication of the gospel in organizational, generational, and multicultural settings, intercultural ministry, and intercultural relationships. Attention is given to biblical and theological foundations for intercultural ministry paradigms and community development.

Distribution: Christian Studies.

### CSIS 3325 - Global Christianity (3)

This course seeks to understand and appreciate Christianity in various areas of the world. Students will consider issues such as Christianity amidst displaced peoples, carried social constructs, sociopolitical and environmental concerns, poverty, migration, gender and ethic challenges, and land-related conflicts. To understand these issues properly, attention is given to historical and related foundations, and intercultural application.

Distribution: Christian Studies.

### CSIS 3350 - Intercultural Field Experience (3)

This is a short-term travel course that involves students in firsthand observation and participation in Christian missions and/or community development in context. The specific content of the course varies according to the nature of the work in the locations of study.

Distribution: Christian Studies.

**CSIS 4335 - Global Readings of the Gospels and Acts (3)**

This course is a study of Jesus and the early church through reading selected New Testament texts while listening to global voices. Personal and missional implications are included. (Same as CSBS 4335.) Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

**CSMN - Ministry****CSMN 1320 - Introduction to Christian Ministry (3)**

This course is a biblical, historical, theological, and practical study of Christian Ministry. Students study the role of the minister in proclamation, administration, and care-giving. Attention is given to educational preparation, spiritual growth, and the development of skills in ministry. Fee.

Distribution: Christian Studies.

**CSMN 3306 - Congregational Leadership (3)**

This course is a study of the nature and tasks of leadership necessary for successful ministry through various kinds of congregational expressions. Attention is given to understanding the congregational life cycle, organizing for effective ministry, working with large and small groups, relating of church staff members, working with volunteers and ministry teams, managing resources, dealing with transition and handling conflict. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

**CSMN 3310 - Sermon Preparation (3)**

This course is a study of a variety of methods of preparing sermons. Emphasis will be given to developing expository sermons starting with a biblical idea and culminating in a sermon ready for delivery. Prerequisites: CSBS 1311 and CSBS 1312 and CSMN 1320.

Distribution: Christian Studies.

**CSMN 3329 - Children's Ministry (3)**

The course examines the needs of children in a religious setting. Topics of study include parental responsibility, weekday ministries, equipment needs for ministry, physically challenged children, materials, and spiritual development. Prerequisites: CSBS 1311 and CSBS 1312 and CSMN 1320.

Distribution: Christian Studies.

**CSMN 3330 - Youth Ministry (3)**

This course is a study of the philosophy and trends of youth ministry. Emphasis will be placed on the planning and administering of a youth ministry in a local church.

Attention will be given to the motivation of youth leaders and the development of programming ideas. Prerequisites: CSBS 1311 and CSBS 1312 and CSMN 1320.

Distribution: Christian Studies.

**CSMN 4316 - Supervised Ministry Internship (3)**

This course is a field-based learning opportunity in which the student functions in a (paid or unpaid) ministry role under the supervision of an experienced mentor and a University professor. Requirements include the completion of ministry projects within the field setting as well as on-campus conferences. Emphasis is placed on functional competence in ministry through development of both personal and professional skills. Prerequisites: CSBS 1311 and 1312 and CSMN 1320.

Distribution: Christian Studies.

**CSTH - Theology****CSTH 2316 - Introduction to Christian Theology (3)**

This course is a study of basic Christian beliefs from a biblical perspective. Emphasis will also be given to how these beliefs have been stated over the history of the church to the present day. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

**CSTH 3303 - World Views: Christian Thought Engages the Modern World (3)**

A study of Christian responses to intellectual challenges to the Christian faith presented by contemporary thought and competing worldviews. Topics include the theological and philosophical foundations for Christian thought, the existence of God and other central beliefs of Christianity, and the distinct challenge to Christian faith posed by pluralism and postmodernism. The course approaches the challenges in a spirit of engagement and dialogue. (Same as PHIL 3303) Prerequisites: CSBS 1311 and 1312.

Distribution: Christian Studies.

**CSTH 3311 - Advanced Theological Studies (3)**

This course is an intensive study of a particular theologian, period of theology, area of theology, or theological system. May be taken multiple times for credit with change in subject matter. Prerequisites: CSBS 1311, CSBS 1312, and CSTH 2316.

Distribution: Christian Studies.

**CSTH 3345 - Christian Ethics and Social Issues (3)**

This course is an examination of Christian ethical approaches to selected social issues relating to sexuality,



marriage, gender, race, biomedical ethics, economics, and politics. Prerequisites: CSBS 1311 and CSBS 1312.

Distribution: Christian Studies.

### **CSTH 4318 - Historical Theology (3)**

This course comprises a historical survey of theologians and movements that have shaped the faith of the Christian Church from post-biblical times to the present.

Prerequisites: CSBS 1311, CSBS 1312 and CSTH 2316.

Distribution: Christian Studies.

### **CSTH 4350 - Theology and Contemporary Issues (3)**

This course explores theological approaches to a contemporary issue or issues. May be taken multiple times for credit with change in subject matter.. Prerequisites: CSBS 1311, CSBS 1312 and CSTH 2316.

Distribution: Christian Studies.

## **EDBL-Bilingual Education**

### **EDBL 4300 - Language and Literacy for Teachers of English Language Learners (3)**

This course promotes understanding of fundamental language concepts, the structure and conventions of the English language, and the process of first-and second-language acquisition. In order to promote students' language development in English, the factors that affect ESL students' learning of academic content, language, and culture are addressed.

Distribution: Education.

### **EDBL 4310 - Pedagogy and Assessment for Teachers of English Language Learners (3)**

The primary focus of this course is planning and implementing effective, developmentally-appropriate ESL instruction. Foundations of ESL education and the factors that contribute to an effective multicultural and multilingual environment are taught. ESL instruction includes theoretical bases, concepts, and research related to first-and second-language development. Formal and informal assessment procedures and instruments are taught. Family and community advocacy and collaboration between school and home are addressed.

Distribution: Education.

### **EDBL 4320 - Bilingual Language Acquisition (3)**

This course provides the pre-service bilingual educator with knowledge of first-and second-language acquisition processes and development as it applies to Spanish and English. Application of major language components such as phonetics, semantics, morphology, syntax, and pragmatics will be addressed in both languages. Statewide Spanish language arts and reading curriculum as specified by the TEKS will be addressed for literacy development in

grades EC-12. Attention will be given to implementation of instructional methods, materials, and strategies for teaching both English and Spanish. Both formal and informal literacy assessments in Spanish will be explored to assist in planning for effective literacy instruction in Spanish. Authentic children's literature will be included in this course as a way to promote biliteracy.

Distribution: Education.

### **EDBL 4330 - Content Area Strategies for the Bilingual Educator (3)**

This course offers the pre-service bilingual educator a comprehensive knowledge of content area instruction in both Spanish and English as a way to promote bilingual students' academic achievement across the curriculum. Exploration of various types of assessment of bilingual students' development of academic language proficiency and content-area concepts in both languages will be used to plan appropriate bilingual instruction. The Texas Essential Knowledge and Skills and the English Language Proficiency Standards will guide the development of content-based instruction that includes foundational English-language vocabulary, grammar, syntax, and English mechanics. Integration of language arts skills in both languages will be promoted in all content areas.

Distribution: Education.

### **EDBL 4385 - Practicum in Bilingual Education (3)**

This course provides students with 60 hours of field experience working with bilingual students in public schools. Students will be supervised by university faculty and mentored by in-service bilingual educators.

Distribution: Education.

## **EDSL - Education of Second Language Learners**

### **EDSL 4300 - Language and Literacy for Teachers (3)**

This course promotes understanding of fundamental language concepts, the structure and conventions of the English language, and the processes of first-and second-language acquisition. In order to promote students' language development in English, the factors that affect ESL students' learning of academic content, language, and culture are addressed. A particular focus of this course relates to language proficiency levels of English learners based on the ELPS descriptors.

Distribution: Education.

### **EDSL 4310 - Pedagogy and Assessment for Teachers of English Language Learners (ELL) (3)**

The primary focus of this course is planning and implementing effective, developmentally-appropriate sheltered instruction for English learners. The English

Language Proficiency Standards (ELPS) and the Texas Essential Knowledge and Skills (TEKS) are used in lesson development to include the goals of sheltered instruction. Students explore a variety of state assessments for ELs which include the bilingual version of the STAAR test and the Texas English Language Proficiency Assessment System (TELPAS). Attention is given to laws regarding teaching migrant children and working with families of ELs. This is a field-based course. Prerequisite: EDUC 4315 or EDSP 4316.

Distribution: Education.

## **EDSP - Special Education**

### **EDSP 3320 - Emergent Literacy (3)**

This field-based course is designed to provide foundation knowledge and strategies for understanding and promoting literacy development in young children. Reading, writing, and oral language skills are taught as developmental processes according to the Science of Teaching Reading standards. Emphasis is upon beginning reading instruction and concentrates on developmentally appropriate teaching strategies and assessments designed to directly teach and assess phonological and phonemic awareness, the alphabetic principle, and decoding, as well as principles for creating a literacy-rich classroom environment. Field experience is required. Prerequisite: EDUC 4328

Distribution: Education.

### **EDSP 3330 - Social Studies Strategies (3)**

Designed specifically for education majors for elementary and middle level, this course provides students with skills and understanding needed to plan, organize, and deliver effective instruction based on the Social Studies TEKS. Special emphasis is given to instruction in geography, economics, and American history. Students develop an understanding of the social economic, and political impacts of events in history. This course will address the needs of students served in special education.

Distribution: Education.

### **EDSP 3361 - Introduction to Special Education & Individuals with Disabilities (3)**

This course provides a broad introduction to the field of special education. Developmental stages and characteristics of exceptional children and youth are explored along with the philosophical, historical, ethical, and legal foundations of special education. Special education terminology and acronyms are introduced along with Individual Family Service Plans (IFSP), Individual Education Plans (IEP), Individual Transition Plans (ITP), and Admission Review and Dismissal (ARD) meetings.

Distribution: Education.

### **EDSP 3362 - Low Incidence Disabilities (3)**

This course is a study of the characteristics and factors affecting individuals with low incidence disabilities such as visual and hearing impairment, significant developmental delay, medically fragile, autism, and multiply challenged. The course teaches effective educational and behavioral approaches. Lab/Field experience is required.

Distribution: Education.

### **EDSP 3363 - Developmental Disabilities (3)**

This course is a study of the characteristics and factors affecting individuals with low incidence disabilities, such as visual or hearing impairment, significant developmental delay, medically fragile, autism, and multiply challenged. This course teaches effective educational and behavioral approaches. Lab/field experience required.

Distribution: Education.

### **EDSP 3364 - Behavior Interventions & Modifications (3)**

This course is a study of the causes and characteristics of emotional and behavioral disorders in students from early childhood through adolescence. Classroom and behavior management strategies for maintaining a positive learning environment are considered along with strategies for preparing individuals to live cooperatively and productively in society, social skills needed for educational and functional living environments, and strategies for crisis prevention and intervention. Lab/field experience is required. This course will address the needs of students served in special education.

Distribution: Education.

### **EDSP 3395 - Practical Experiences (3)**

This course provides students with hands-on experiences working with individuals and groups in specific areas of disability.

Distribution: Education.

### **EDSP 4316 - Survey of Special Populations (3)**

This course surveys various student populations in schools and varied educational needs with emphasis on diversity and the influence of culture on behavior and learning. Terminology, characteristics, educational procedures, informal assessment, and requirements under federal, state, and local guidelines are addressed, as well as multiculturalism, technology, and professional collaboration related to diversity. This course will address the needs of students served in special education, ESL and programs for gifted and talented.

Distribution: Education.

**EDSP 4320 - Interdisciplinary Math and Science Strategies (3)**

This field based course is a study of the materials, methods, and fundamental principles necessary to teach math and science based upon the Texas Essential Knowledge and Skills (TEKS). As a field based course, students are expected to design and participate in learning activities both in the field and in the UMHB classroom. This course will address the needs of students served in special education. Prerequisite: EDUC 4328

Distribution: Education.

**EDSP 4361 - Assessment & Transitions (3)**

This course explores formal and informal means to assess various student populations. Transition planning and procedures are explored, including vocational and post-secondary options. Lab/field experience is required.

Distribution: Education.

**EDSP 4362 - Curriculum Interventions for Students with Learning Disabilities (3)**

This course examines the selection and use of intervention strategies and techniques for students with learning disabilities. There is an emphasis on exploring and implementing individualized education programs and approaches for meeting the needs of exceptional learners. Lab/field experience is required.

Distribution: Education.

**EDSP 4363 - Assistive Technology & Related Service (3)**

This course examines the range and variety of assistive technology, devices, services, and resources; their role in facilitating students' access to the general curriculum and active participation in educational activities and routines; and the state and federal laws pertaining to their acquisition and use. The selection of appropriate assistive technologies for students with various needs are explored. Lab/field experience is required.

Distribution: Education.

**EDSP 4364 - Diagnostic and Corrective Reading Practices (3)**

This course focuses on the formal and informal assessment of disabled readers and the use of that data to plan, implement, and monitor instruction focused on individual needs. Included are phonological and phonemic awareness, alphabetic principle, literacy development and practice, word analysis, decoding, fluency, and comprehension. Intervention strategies are addressed to align with identified needs. Parent communication and conferencing skills are also addressed.

Distribution: Education.

**EDUC - Education****EDUC 1111 - Education Orientation (1)**

The course offers an overview of the teacher certification program at UMHB, state guidelines governing the certification of teachers in Texas, and the benefits and challenges facing teachers at the elementary, middle, and secondary levels of education.

Distribution: Education.

**EDUC 2311 - Classroom Technology (3)**

Designed specifically for education majors, this course is an introduction to educational technology used in contemporary schools; emphasis is placed on interactive boards, computers, tablets, and web applications. This course examines the integration of current technology used for planning, organizing, and delivering instruction based upon the Texas Essential Knowledge and Skills (TEKS). Students will receive practical hands-on experience in designing learner-centered activities and increasing teacher productivity.

Distribution: Education.

**EDUC 2399 - Child and Adolescent Development (3)**

This course focuses on the development of human beings from birth to adolescence, with respect to the interrelated nature of the physical, emotional, cognitive, and social growth of individuals. Major theories of child development are explored including those of Piaget and Vygotsky. The course does not satisfy any requirements for students majoring in Psychology.

Distribution: Education.

**EDUC 3315 - Students and Learning (3)**

This course is an introduction to the teaching profession. The content is organized around the following clusters: becoming a teacher in Texas, ethics, professionalism, and the ultimate intent for students to discover their calling to teach and embrace the unique work that teachers are called to do in the world. This course is a designated Writing Emphasis class (WE).

Distribution: Education.

**EDUC 3330 - Social Studies Strategies (3)**

Designed specifically for education majors for elementary and middle level, this course provides students with skills and understanding needed to plan, organize, and deliver effective instruction based on the Social Studies TEKS. Special emphasis is given to instruction in geography, economics, and American history. Students develop an understanding of the social and environmental consequences of scientific discovery and technological innovation. This course will address the needs of students served in special education.

Distribution: Education.

### **EDUC 3364 - Behavior Interventions and Modifications (3)**

This course is a study of the causes and characteristics of emotional and behavioral disorders in students from early childhood through adolescence. Classroom and behavior management strategies for maintaining a positive learning environment are considered along with strategies for preparing individuals to live cooperatively and productively in society, social skills needed for educational and functional living environments, and strategies for crisis prevention and intervention. Lab/field experience is required. This course will address the needs of students served in special education.

Distribution: Education .

### **EDUC 4150 - Certification Preparation Seminar (1)**

This course is designed to review the TExES competencies for the PPR for some students pursuing music, physical education, and post-bac certificates. Sessions emphasize test content and test-taking strategies.

Distribution: Education.

### **EDUC 4250 - Certification Preparation Seminar (2)**

This course is designed to review the TExES competencies for the PPR. Sessions emphasize test content and test-taking strategies.

Distribution: Education.

### **EDUC 4313 - Child and Adolescent Development (3)**

This course focuses on the development of human beings from birth to adolescence, with respect to the interrelated nature of the physical, emotional, cognitive, and social growth of individuals. Major theories of child development are explored including those of Piaget and Vygotsky. The course does not satisfy any requirements for students majoring in Psychology.

Distribution: Education.

### **EDUC 4315 - Survey of Special Populations (3)**

This course surveys various student populations in schools and varied educational needs with emphasis on diversity and the influence of culture on behavior and learning. Terminology, characteristics, educational procedures, informal assessment, and requirements under federal, state, and local guidelines are addressed, as well as multiculturalism, technology, and professional collaboration related to diversity. This course will address the needs of students served in special education, ESL, and programs for Gifted and Talented.

Distribution: Education.

### **EDUC 4320 - Interdisciplinary Math and Science Strategies (3)**

This field based course is a study of the materials, methods, and fundamental principles necessary to teach math and science based upon the Texas Essential Knowledge and Skills (TEKS). As a field based course, students are expected to design and participate in learning activities both in the field and in the UMHB classroom. This course will address the needs of students served in special education. Prerequisite: EDUC 4328

Distribution: Education.

### **EDUC 4324 - Classroom Management (3)**

This course includes classroom and behavior management techniques as well as approaches to encouraging parental involvement. Emphasis is given to guidelines for working with various populations in schools. Preventive, supportive, and corrective behavior management techniques are explored.

Prerequisites: Successful completion of EDUC 3315, meeting the standards in the College of Education interview, and satisfying the Academic Proficiency standards.

Distribution: Education.

### **EDUC 4328 - Curriculum Design I (3)**

This course focuses on general principles of curriculum development and assessment (including the state assessment system), with emphasis on planning, writing, and implementing effective lessons in alignment with the Texas Essential Knowledge and Skills (TEKS). The course addresses working with special populations. Prerequisites: Successful completion of EDUC 3315, meeting the standards in the College of Education interview, and satisfying the Academic Proficiency requirement.

Distribution: Education.

### **EDUC 4329 - Curriculum Design II (3)**

Building on the understanding of the lesson model from Curriculum Design I, this course explores teaching methodologies, learning theories, and assessment strategies specific to math and science.

Distribution: Education.

### **EDUC 4375 - Advanced Literacy (3)**

This course addresses the challenges facing today's educator. Included are portfolio assessment for teachers, diagnostics and corrective reading practices utilizing literature in the classroom, elements of early literacy acquisition, and other areas of proficiency with current state emphasis.

Distribution: Education.

**EDUC 4385 - Educational Internship (3)**

The state of Texas requires pre-service teachers to acquire multiple hours of field experience working with students on public school campuses prior to student teaching. In this course, students are placed with an elementary, middle-level, or high school mentor teacher for 60 or more hours of classroom interaction and involvement. The course also involves research and written reflection. Lab fee.

Distribution: Education.

**EDUC 4435 - Student Teaching Elementary Music (4)**

Student Teaching shall consist of five weeks of full days in observation and teaching experiences in classrooms grades elementary. Lab fee.

Distribution: Education.

**EDUC 4436 - Student Teaching Grades Middle Level Music (4)**

Student teaching shall consist of five weeks of full days in observation and teaching experiences in classrooms middle level. Lab fee.

Distribution: Education.

**EDUC 4437 - Student Teaching Grades Secondary Music (4)**

Student teaching shall consist of five weeks of full days in observation and teaching experiences in classrooms secondary level. Lab fee.

Distribution: Education.

**EDUC 4501 - Student Teaching I (5)**

Student teaching and observation in a public school setting for the first half of the semester.

Distribution: Education.

**EDUC 4502 - Student Teaching II (5)**

Student teaching and observation in a public school setting for the second half of the semester.

Distribution: Education.

**EDUC 4603 - Internship or Six-Hour Student Teaching (6)**

Primarily for post-bac and alternative certification students, this internship involves observation and teaching experiences for one semester in partial fulfillment of state requirements. Two semesters of internship are required by the state.

Distribution: Education.

**EDUC 4604 - Internship or Six-Hour Student Teaching (6)**

Primarily for post-bac students, this internship involves observation and teaching experiences for one semester in partial fulfillment of state requirements. Two semesters of internship are required by the state.

Distribution: Education.

**ENGL - English****ENGL 0130 - Concurrent Literacy (1)**

This course works to apply the same skill sets in ENGL 0330 along with enrollment in ENGL 1321. Students will use the assignments and objectives from Rhetoric and Composition I as a basis for their course work. In addition, this course will offer enrichment assignments which will supplement the instruction of the parent course. Students who score between 500 and 539 on the SAT EBRW or between 16 and 18 on either an average of the ACT English and Reading OR on the ELA will be placed in ENGL 0130. In order to appeal placement, students can take an approved placement test. May not be taken once student has passed ENGL 1321. Does not count toward fulfilling English requirements in Academic Foundation nor any degree credit. Students must achieve a "C" or higher in ENGL 0130 to pass the course.

Distribution: Humanities.

**ENGL 0330 - Skillful Literacy (3)**

This course works to improve literal, critical, and effective comprehension of college-level reading in a variety of genres. In addition, students will generate ideas, gather information relevant to a topic and purpose, incorporate the ideas and words of other writers, and apply established strategies as well as the conventions of Standard English. Students who score below 500 on the SAT EBRW or 16 on an average of the ACT English and Reading OR 16 on the ELA will be placed in ENGL 0330. In order to appeal placement, students can take an approved placement test. May not be taken once student has passed ENGL 1321. Does not count toward fulfilling English requirements in Academic Foundation nor any degree credit. Students must achieve a "C" or higher in ENGL 0330 to pass the course.

Distribution: Humanities.

**ENGL 1321 - Rhetoric & Composition I (3)**

Students will be introduced to the rhetorical triangle and the writing process as they write a series of original essays. Students will explore various modes and aims of writing as they work through invention, planning, drafting, getting feedback, revising, editing, and proofreading. At the end of

the semester, students should be able to create a thesis and adequately support it with a well-structured essay written in a clear coherent, and concrete style and present it to an audience either, orally or in written form. A student must achieve a "C" or higher in ENGL 1321 to pass the course. Prerequisite: A grade of a "C" or higher in Skillful Literacy or appropriate score on placement test.

Distribution: Humanities.

### **ENGL 1322 - Rhetoric & Composition II (3)**

This course will introduce students to some of the history of rhetoric and the role it plays in civilization. The students will learn to apply an argumentative model in both analyses and composition of arguments. A variety of readings will allow the students the opportunity to think critically about the world and their relationship with it. The students will write essays which explore their own thinking and produce an argument that conveys their understanding. A student must achieve a "C" or higher in ENGL 1322 to pass the course. Prerequisite: A grade of a "C" or higher in ENGL 1321.

Distribution: Humanities.

### **ENGL 2321 - British Literature to 1785 (3)**

Survey of the development of British literature from its beginnings to 1785. Careful study of representative selections and development of types. Prerequisite: ENGL 1321 and ENGL 1322.

Distribution: Humanities.

### **ENGL 2322 - British Literature since 1785 (3)**

A continuation of English 2321, a survey of the development of British literature from 1785 to the present. Prerequisite: ENGL 1321 and 1322.

Distribution: Humanities.

### **ENGL 2330 - Classical Influences (3)**

This course is a historical survey introducing the literary and religious masterworks of great world civilizations. The course envisions cultural heritage on a world scale; the readings demonstrate that texts, in a variety of genres, come about through conquest, trade, discovery, the spread of faith and learning, and the crossing of global boundaries. Prerequisites: ENGL 1321 and 1322.

Distribution: Humanities.

### **ENGL 2336 - Global Perspectives (3)**

This course explores the dichotomy of U.S. and foreign viewpoints within the perspectives of the various cultures which produce their texts. Primary focus is determining how these entities continue to affect not only current literature but also modern thought and culture. During the semester of the course, students will participate in a study abroad trip in order to gain insight and perspectives on

these cultures. Offered only during the semester of the study abroad experience. Trip fee. Prerequisites: ENGL 1321 and ENGL 1322.

Distribution: Humanities.

### **ENGL 2340 - Principles of Literature (3)**

Students will read selected fiction, poetry, and drama in order to develop an understanding of the way in which literature functions. The course will explore the basics of literary analysis by requiring multiple levels of reading as well as differing interpretations of the various texts. Prerequisites: ENGL 1321 and 1322.

Distribution: Humanities.

### **ENGL 2350 - Analysis of Popular Literature (3)**

This course will argue that key pieces of popular literature are not only entertaining but also important to literary study. A primary focus will investigate why popular literature and the literary canon are often at odds with each other. Prerequisites: ENGL 1321 and 1322.

Distribution: Humanities.

### **ENGL 2360 - Religion and Literature (3)**

A study of works of literature with religious importance and themes, creative and nonfiction, spanning various time periods and genres. The course provides a focused and in-depth study of different aspects of literary and religious developments in England, America, and the World. Prerequisites: ENGL 1321 and 1322.

Distribution: Humanities.

### **ENGL 2370 - Literature and Social Consciousness (3)**

This course aims to foster appreciation and understanding of the content of literature as an examination of human experiences and values. Readings from a variety of genres will illustrate a wide range of cultures, experiences, and perspectives. The course will allow students to demonstrate an understanding of contemporary ideas and events by analyzing a current world issue(s) in societies, cultures, and/or geographic locations beyond the United States. Prerequisites: 1321 and 1322.

Distribution: Humanities.

### **ENGL 2380 - Honors Literature (3)**

An in-depth exploration of literature employing literary devices and critical analysis. The course will focus on a central theme, genre, author, or topic. The goal of the course is seeing literature as means of thinking critically about, becoming globally aware of, and civically engaging with the world and each student's place in it. Prerequisites: ENGL 1321 and ENGL 1322.

Distribution: Humanities.

**ENGL 3100 - Introduction to the English Major (1)**

An overview of the study of English, the English major, and related professions and careers and opportunities for graduate study. Students will be introduced to the portfolio required for all majors. Students should take this course at the beginning of their work in the major.

Distribution: Humanities.

**ENGL 3321 - American Literature to 1890 (3)**

Survey of the major American writers and representative selections from colonial times to 1890. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

**ENGL 3322 - American Literature since 1890 (3)**

Survey of the major American writers and representative selections after 1890. Prerequisite: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

**ENGL 3323 - World Literature (3)**

A survey of world literature in translation. This course fulfills a Writing Emphasis (WE) requirement. Prerequisites: 1321, 1322, and two 2000-level English Courses.

Distribution: Humanities.

**ENGL 3332 - Studies in Literary Genres (3)**

A study of specific literary genres such as, but not limited to, Gothic fiction, epic poetry, allegory, etc. The course provides a focused and in-depth study of a specific genre from English, American, or World literature. With approval of the department chair, this course may be repeated for credit when content varies. Prerequisites: ENGL 1321, ENGL 1322, and two 2000 level English courses.

Distribution: Humanities.

**ENGL 3333 - Studies in Major Authors (3)**

A careful study of an individual author or a select group of authors through which students will learn to apply the tools of critical analysis. With approval of the department chair this course may be repeated for credit when content varies. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

**ENGL 3335 - Contemporary Global Literature (3)**

This course provides a cross-cultural survey of 20<sup>th</sup> and 21<sup>st</sup>-Century multi-ethnic literature from the United States and a variety of other countries. The course explores several genres- including the short story, novel, poetry, drama and film, and critical essays-by analyzing their

themes and literary style and by situating them within their historical and cultural contexts in order to provide insight to multiple cultures and their viewpoints. Prerequisites: 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

**ENGL 4100 - Capstone to the English Major (1)**

A course designed to allow students to demonstrate the skills and knowledge acquired in their work as English majors. This demonstration will involve three levels of assessment. First, students must make a public demonstration of their mastery in a presentation of their work. Second, students must submit a portfolio deemed acceptable by the department committee. Third, students must complete exams for certification or entry into a selected graduate program of study. As a capstone, this course is required of all majors and must be taken during the student's final semester of work.

Distribution: Humanities.

**ENGL 4185 - English Internship (1)**

Part or full-time paid or unpaid internship experience in an English-related field off campus. Students will complete a combination of course-related and job-related tasks designed to provide professional/vocational experience in the discipline. Both the faculty of record and on-site mentors will evaluate the student's performance. This course must be taken in conjunction with ENGL 4100.

Distribution: Humanities.

**ENGL 4321 - Shakespeare (3)**

Study of representative comedies, histories and tragedies by William Shakespeare. Parallel readings of other plays, poems, and criticism. Prerequisite: Two ENGL 3000-level courses, excluding 3100.

Distribution: Humanities.

**ENGL 4323 - Studies in Literary Periods (3)**

A study of specific literary periods such as, but not limited to, the High Middle Ages, the Victorian Era, the Romantic Era, etc. The course provides a focused and in-depth study of a specific period from English, American, or World literature. With approval of the department chair, this course may be repeated for credit when content varies. Prerequisites: ENGL 1321, 1322, and two 3000-level English courses.

Distribution: English.

**ENGL 4341 - Literary Theory and Criticism (3)**

Study of methods and materials of literary research and interpretation. Introduction to major contemporary theories. Emphasis on close reading of literary texts in their historical contexts. This course fulfills a Writing

Emphasis (WE) requirement. Prerequisite: Two ENGL 3000-level courses, excluding 3100.

Distribution: Humanities.

### **ENGL 4385 - English Internship (3)**

Part or full-time experience in an English-related field off campus, with special focus on internship abroad opportunities. Students will complete a combination of course-related and job-related tasks designed to provide professional/vocational experience in the discipline. Both the faculty of record and on-site mentors will evaluate the student's performance. Trip fee. This course must be taken in conjunction with or the Summer prior to ENGL 4100.

Distribution: Humanities.

## **ENGR - Engineering**

### **ENGR 1310 - Introduction to Engineering (3)**

This course provides an introduction to the engineering profession for students expressing an interest in all areas of engineering. Topics include engineering disciplines, ethics, the impact of technology on the world, analysis and design using a team design project, and computer-aided design and problem solving. Lab fee.

Distribution: Sciences.

### **ENGR 1320 - Introduction to Engineering Fundamentals (3)**

This course will provide exposure to, and practice with, problem-solving strategies for problems commonly encountered in the design and analysis of mechanical and electrical engineering systems. This course will enhance a student's ability to apply knowledge of mathematics, science, and engineering, to identify, formulate, and solve engineering problems and to use the techniques, skills, and modern engineering tools necessary for engineering practice. Lab Fee.

Distribution: Sciences.

### **ENGR 2010 - AutoCAD Proficiency (0)**

Students will successfully complete a tutorial-based training to gain introductory proficiency in AutoCAD. This course may be repeated. This is a Credit/No Credit course.

Distribution: Engineering.

### **ENGR 2130 - Electric Circuits Laboratory (1)**

The course is the laboratory component for ENGR 2330. Laboratory fee.

Distribution: Engineering.

### **ENGR 2290 - Independent Study (2)**

Independent study in engineering may be conducted under the guidance of a faculty member. Course may be taken at

the sophomore level through the senior level. One to four hours of credit may be specified. Prerequisite: Written consent of the supervising professor, department chair, and Dean prior to registration. Lab and administrative fee.

Distribution: Sciences.

### **ENGR 2301 - The Effects of Climate Change (3)**

This course is designed to expose students with a wide range of academic interests to the human activity of science. In this course students will take the broad view that includes the natural, behavioral, and social sciences as material for discussions. Students will use the texts to explore the modes of thought and activity that are common to all of these disciplines, including their mathematical tools and empirical methods. Students will also consider the social, cultural and political contexts in which science occurs. By the end of the course, students should be familiar with scientists' intellectual and practical tools. Students should also be able to contrast the distinctive features of the sciences with academic areas such as humanities. Lab fee.

Distribution: Sciences.

### **ENGR 2311 - Numerical Algorithms (3)**

This course is designed to familiarize computer science and engineering students with the fundamental concepts in numerical algorithms. This course will consider problems from the following areas: root finding, floating point systems, finding solutions to linear systems using direct or iterative solvers, interpolation curve fitting, numerical differentiation and integration, multiple integrals, least squares. Prerequisites: ENGR 1320 and MATH 2330. Lab Fee.

Distribution: Sciences.

### **ENGR 2320 - Engineering Mechanics: Statics (3)**

The course provides a professional level of instruction for engineering students. Topics include: analysis of force-couple systems, equilibrium of particles and rigid bodies, structural analysis, distributed forces, friction, centroids and moments of area, particle kinematics and kinetics in various coordinate systems. Prerequisite: ENGR 1320 and PHYS 2421.

Distribution: Sciences.

### **ENGR 2321 - Engineering Mechanics: Dynamics (3)**

The course designed provides a professional level of instruction for engineering students. Topics include: force action related to displacement, velocity, acceleration of rigid bodies including Newton's Second Law, work energy methods, impulse-momentum, central and oblique impacts, and kinematics of plane motion, translation and rotation. Prerequisite(s): ENGR 2320 and MATH 2330. Lab fee.

Distribution: Sciences.



**ENGR 2330 - Electrical Circuit Theory (3)**

A course to provide a professional level of instruction for engineering students. Topics that this course covers include: Linear circuit elements, sources, Kirchhoff's laws, mesh and node equations, Thevenin and Norton equivalent circuits, resistive network analysis, sinusoidal steady-state analysis, power, transient analysis of simple circuits. Prerequisites: ENGR 1320 and PHYS 2422. Lab fee.

Distribution: Sciences.

**ENGR 2345 - Engineering Thermodynamics (3)**

The objective of this course is to develop knowledge of the First and second laws of thermodynamics, thermodynamic processes and properties, flow processes, conversion of heat into work, conduction, convection, radiation, and heat exchangers. Topics include applications to ideal and real gases, vapor and gas power systems, refrigeration, and many heat pumps. Examples and problems relate to contemporary aspects of energy, power generation and broader environmental issues. Prerequisites: ENGR 2320. Lab fee.

Distribution: Sciences.

**ENGR 3120 - Mechanics of Materials Lab (1)**

The course is the laboratory component for ENGR 3320. Laboratory fee.

Distribution: Engineering.

**ENGR 3130 - Electronics Laboratory (1)**

This lab is designed to help you understand electronic devices and how they work. The goal of the labs is to achieve an understanding of electronics through hands on experience. By the end of the lab, students should have attained some very practical skills and be adept at debugging circuits. Students will also have a much better knowledge of all the tools that they can use to both construct and trouble shoot electronics.

Distribution: Sciences.

**ENGR 3137 - Digital Logic Design Laboratory (1)**

This course is a foundational course for all interdisciplinary engineering science majors. It is a crucial component of the ENGR 3337 Digital Logic Design course. Corequisite: ENGR 3337, Prerequisites: ENGR 1320 and ENGR 2430. Lab fee.

**ENGR 3160 - Engineering Design: Bio-Inspired Design (1)**

This course introduces students to the engineering design process as practiced by professional engineers. Particular focus will be given to design inspirations from the natural world. Students will work in teams to study a mechanism found in nature and draw on the lessons learned to design a

bio-inspired educational product, such as a toy or learning tool. Topics covered will include team building, brainstorming techniques, project management, design iteration, design optimization, ethical issues in engineering design, and reflection on career goals. Particular emphasis will be given to the communication of the design team's results. Prerequisite: ENGR 1310 and ENGR 1320. Lab fee.

Distribution: Sciences.

**ENGR 3260 - Engineering Design: Engineering for Humanity (2)**

Engineering students in this course learn to apply science, mathematics, and engineering design to the service of humanity. A particular in-need group will be chosen prior to each semester for the design teams to serve. Student will spend time evaluating the needs of the target group and developing products that will improve their lives in a concrete way. Students will be asked to reflect on the experience and how it pertains to their own career goals. Prerequisites: ENGR 1310 and ENGR 1320. Lab fee.

Distribution: Sciences.

**ENGR 3290 - Independent Study (2)**

Independent study in engineering may be conducted under the guidance of a faculty member. Course may be taken at the sophomore level through the senior level. One to four hours of credit may be specified. Prerequisite: Written consent of the supervising professor, department chair, and Dean prior to registration. Lab and administrative fee.

Distribution: Sciences.

**ENGR 3315 - Mechanical Design (3)**

This course offers students an introduction to the design of machine elements. Topics include an overview of the design process, engineering mechanics, failure criteria, design with static and variable loading criteria, transmission elements, bearings, gears, and lubrication. Students will be introduced to engineering software to design and analyze mechanical systems. Prerequisites: ENGR 3420 (3320/3120), ENGR 2311. Lab fee.

Distribution: Engineering.

**ENGR 3320 - Mechanics of Materials (3)**

This course introduces junior-level engineering students to the concepts of stress and strain with applications to design and analysis of structures. The goals include developing skills relating to modeling and analysis of simple structures subject to axial, torsional, and bending loads. This course incorporates hands-on experience with standard test methods for the mechanical properties of a range of materials. Prerequisites: ENGR 2320 and MATH 2330. Lab fee.

Distribution: Sciences.

### **ENGR 3330 - Electronics (3)**

This course covers the use and application of the fundamental concepts of nonlinear electronic circuits. Nonlinear, piecewise linear, and large and small signal analysis and design concepts are emphasized. Essential concepts covered in the course include the p-n diode, bipolar junction and field effect transistors. Prerequisite: ENGR 2430, Lab fee.

Distribution: Sciences.

### **ENGR 3337 - Digital Logic Design (3)**

This course is designed to familiarize computer science and engineering students with the fundamental concepts in the field of digital logic design. This course will consider problems from the following areas: Boolean algebra, number systems and representations, analysis and design of combinational and sequential logic circuits, minimization, small and medium scale integrated devices, programmable logic and simulation of digital circuits. Prerequisites: ENGR 1320 and ENGR 2430 (ENGR 2130/2330). Lab Fee.

Distribution: Sciences.

### **ENGR 3346 - Advanced Thermodynamics (3)**

This course extends the study of thermodynamics by exploring the design of gas power cycles, vapor power cycles and refrigeration cycles. Topics include analysis of property relations, gas mixtures, gas-vapor mixtures, and combustion. Prerequisites: ENGR 2345.

Distribution: Engineering.

### **ENGR 3365 - Introduction to Optics (3)**

This course will cover fundamentals of optics including the following topics: geometrical optics, electromagnetic waves, diffraction, interference, polarization, Fourier optics, laser fundamentals, and optical communication basics. Prerequisite: PHYS 2422. Lab fee.

Distribution: Engineering.

### **ENGR 3381 - Introduction to Material Science (3)**

The course is an introduction to basic tenets implicit in the molecular realm of material structures, i.e., atomic, crystalline and micro-structures of solids with a coverage of several classes of materials, i.e., metals, ceramics, and composites. Course study focuses on the scientific basis for the mechanical properties exhibited by molecular structures, i.e., phase transitions, multiphase equilibria and chemical reactions, with govern the thermodynamic properties of macroscopic materials observed in nature. The application of these materials to various fields of engineering and science is presented. Prerequisites: PHYS 2422 or PHYS 2412.

Distribution: Engineering.

### **ENGR 4090 - Practical Experience (0)**

All Engineering students are required to have 300 hours of practical experience in Engineering during their junior and senior years. Every student should register for this course during the semester in which they will complete their 300 hours requirement. This course may be retaken if the 300 hours are not completed with the semester of registration. This course is a Credit/No Credit course.

Distribution: Engineering.

### **ENGR 4150 - Fluid Mechanics Laboratory (1)**

This lab investigates the fundamental concepts of fluid mechanics with hands on experiments in the areas of fluid statics, viscosity, buoyancy, Bernoulli's equation, friction losses, and the concepts of lift and drag. Lab Fee.

Distribution: Sciences.

### **ENGR 4310 - Vibrations (3)**

This course offers students a professional level of instruction on the topic of vibration of mechanical systems. Topics include single degree of freedom systems, Lagrangian analysis for multiple degree of freedom systems, matrix methods, transfer functions, impulse response, step response and convolution integrals, and an introduction to nonlinear models. Prerequisites: ENGR 2321, ENGR 3320 and MATH 3325, Lab fee.

Distribution: Engineering.

### **ENGR 4312 - Digital Signal Processing (3)**

This course will cover fundamentals of discrete-time signals and systems including the following topics: signal representation in time domain, Fourier transform, sampling theorem, linear time-invariant system, discrete convolution, z-transform, discrete Fourier transform, and discrete filter design. Prerequisite: ENGR 3340. Lab fee.

Distribution: Engineering.

### **ENGR 4315 - Power Systems (3)**

This course is an introductory subject in the field of electric power systems and electrical to mechanical energy conversion. It will provide students with a general understanding of the different aspects of power, such as generation, transmission, distribution, some regulatory requirements, and general industry safety issues. Prerequisite: ENGR 2430 (2330/2130). Lab fee.

Distribution: Engineering.

### **ENGR 4320 - System Dynamics and Control (3)**

System Dynamics and Control: Engineering students in this course will gain professional level of education in the mathematics of system dynamics and control. Students will have the opportunity to apply their skill in two projects

during the semester that focus on modeling a physical system and applying control theory to achieve a desired behavior. Topics include: Linear Ordinary Differential Equations, System Dynamics, Laplace Transforms, Mechanical Systems, System Modeling, Control System Design in the time domain and frequency domain. Prerequisite: ENGR 2321, ENGR 2430, MATH 3325, and CISC 2330.

Distribution: Sciences.

### **ENGR 4325 - Radio Frequency Circuit (3)**

This course will introduce the fundamental principles for radio frequency design and analysis. Topics include transmission line theory; network analysis, impedance matching techniques, design of resonators, couplers, and filters; diodes; mixers, and principles and technique of microwave measurements. Prerequisite: ENGR 3330 and ENGR 4330.

Distribution: Engineering.

### **ENGR 4330 - Engineering Electromagnetics (3)**

This course covers the fundamentals of applied electromagnetics by emphasizing physical understanding and practical applications in Engineering Science. It deals with the study of static electric fields in vacuum and dielectrics, conductors, capacitance, electrostatic energy and forces, Poisson's equation, static magnetic fields, Biot-Savart law, Ampere's law, vector magnetic potential, inductance, Maxwell's equations for time varying fields, Faraday's law, plan wave propagation, time-harmonic fields, propagation in lossless media, and wave reflection and transmission at normal incidence. The bridge between electric circuits and electromagnetics is done through the study of transmission lines and their lumped-element model, transmission line input impedance, and power flow on lossless transmission line. Prerequisites: ENGR 2430, MATH 3330, and MATH 3325. Lab fee.

Distribution: Sciences.

### **ENGR 4340 - Principles of Heat Transfer (3)**

Principles of Heat Transfer will require the use of specific software and hardware to illustrate the mechanisms of the Electromagnetic processes studied in the course and observed in the lab. Lab fee. Prerequisites: ENGR 2311, MATH 3325, CISC 2330, and ENGR 2345.

Distribution: Sciences.

### **ENGR 4350 - Fluid Mechanics (3)**

This course covers the fundamentals of applied Fluid Mechanics by emphasizing physical understanding and practical applications in Engineering Science. It deals with the study of and the practical applications in Engineering Science. It deals with the study of and the practical application of the conservation equations for mass, momentum, and energy. In addition the course covers the

fundamental concepts of hydrostatics and dynamics of Newtonian fluids, using Bernoulli's and Navier-Stokes equations. Additional topics include: control volume analysis, basic flow differential analysis, potential flow, and viscous incompressible flow. Prerequisites: ENGR 2321, ENGR 2345, and MATH 3325.

Distribution: Sciences.

### **ENGR 4360 - Signals and Systems (3)**

This course provides an introduction to the analysis of signals and systems in the time domain using differential equations and convolution with the impulse response, and in the frequency domain using Fourier series, Fourier, and Laplace transforms with transfer functions. Prerequisite: ENGR 2430.

Distribution: Sciences.

### **ENGR 4365 - Mechatronics (3)**

This course introduces students to the basic mechatronics system components, and the design principles of using mechatronics to meet functionality requirements of products, processes, and systems. Several course projects are presented in diverse application domains. The course will also prepare students to research current techniques and identify possible innovations to the field. Lab fee. Prerequisites: ENGR 4320.

Distribution: Sciences.

### **ENGR 4370 - Computer Science & Engineering Ethics Seminar (3)**

The capstone course for all CSE majors begins with discussions of the ethical impact of computer science and engineering on the human condition as well as more general questions concerning the impact of technology on society. From a distinctively Christian perspective, students will examine several philosophical systems of ethics with the stated purpose of examining the social and ethical responsibilities of CSE professionals. In light of all class discussions, students employ techniques to design and implement a hardware/software solution for a current volunteer project of Computer Science and Engineering. (Same as CISC 4370). Lab fee.

Distribution: Sciences.

### **ENGR 4380 - Capstone Design I (3)**

The Capstone Design course provides Senior level engineering students the opportunity to participate in a year-long design project. Design teams will be supported by a dedicated engineering professor from a relevant engineering discipline. Students may choose a University design competition, or a project that serves a customer in the community. Design projects are to be held to a professional standard, with realistic constraints. This course culminates in a preliminary design review that will be used to complete the final design in the following

semester. Prerequisite: ENGR 3260 and senior standing. Lab fee.

Distribution: Sciences.

### **ENGR 4381 - Capstone Design II (3)**

The Capstone Design course provides Senior level engineering students the opportunity to participate in a year-long design project. This course is the second half of the Capstone Design sequence. Design teams will continue their work through fabrication, testing, and final presentation. Design projects are to be held to a professional standard, with realistic constraints. This course culminates in a final design review that will include feedback from experts outside the UMHB faculty. Prerequisites: ENGR 4380 and senior standing. Lab fee.

Distribution: Sciences.

### **ENGR 4395 - Engineering Internship (3)**

This course permits students to enhance their knowledge within a field of Engineering Science specialization through application of concepts, principles, and techniques learned in the classroom for which the student will receive three semester hours credit. The course will consist of supervised paid or unpaid work as a professional-level intern for an employer with an approved internship program. Application must be approved prior to registration. Requirements: consent of department chairperson. This course can be taken twice for credit. Administration fee required.

Distribution: Sciences.

## **ENVR - Environmental Science**

### **ENVR 1402 - Environmental Science (4)**

Environmental Science is a one-semester course designed for students who are not planning to major in Biology or Chemistry. Using the global approach, the course will focus on environmental principles, problems, and potential solutions. A chemical emphasis will be given where applicable to such topics as materials, waste management and waste treatment, energy resources, population increases, water and water pollution, air and air pollution, using and misusing land, and environmental legislation. The laboratory activities will reinforce concepts covered in the classroom with experiments and demonstrations. (Same as CHEM 1402) Laboratory fee.

Distribution: Sciences.

### **ENVR 4311 - Environmental Issues (4)**

Concepts of Environmental Science will be introduced. Study will focus on the major environmental issues of the day, including technological, economic, and ethical aspects of these issues. Methods of risk-benefit analysis will be

presented. Prerequisite: Approval of department chairperson. (Same as CHEM 4311)

Distribution: Sciences.

## **ESOL - English for Speakers of Other Languages**

### **ESOL 0181 - Advanced Professional Skills (1)**

This course emphasizes the development of advanced communication skills in English for discipline specific content. Prerequisite: Successful exit from an approved ESOL program and permission of UMHB's Director of ESOL

Distribution: Humanities.

### **ESOL 0381 - Professional Skills (3)**

This course is designed to develop skills in English writing, reading, and/or oral communication for discipline specific content. Prerequisite: Successful exit from an approved ESOL program and permission of UMHB's Director of ESOL.

Distribution: Humanities.

### **ESOL 1000 - Intensive English Laboratory (0)**

A communicative language lab that emphasizes building language skills, such as fluency and accuracy, and practicing concepts taught in the corresponding Oral Communication course.

Distribution: Humanities.

### **ESOL 1301 - Readings in English (3)**

Emphasizes the development of reading skills, beginning the transition to utilizing academic and literary texts.

Distribution: Humanities.

### **ESOL 1302 - English Idioms (3)**

An overview of English idioms, American colloquial usage, and other specialized vocabulary for the academic classroom.

Distribution: Humanities.

### **ESOL 1303 - Basics of English Grammar (3)**

A grammar review for non-native speakers of English; course includes a study of parts of speech and sentence structures.

Distribution: Humanities.

### **ESOL 1305 - Elements of Effective Writing in English (3)**

Emphasizes the development of paragraph writing skills in various styles using process writing techniques.

Distribution: Humanities.

### **ESOL 1321 - Intermediate Reading (3)**

Emphasizes the development of academic reading skills, utilizing university-level academic and literary texts.

Distribution: Humanities.

### **ESOL 1323 - Intermediate English Grammar**

A grammar intensive course for non-native speakers of English; course includes a study of parts of speech, appropriate use of verb tenses, and complex sentence structures.

Distribution: Humanities.

### **ESOL 1325 - Elements of Effective Writing in English-Intermediate (3)**

Emphasizes the development of academic essay writing skills in various styles using process writing techniques. Introduces research skills and proper APA format.

Distribution: Humanities.

### **ESOL 1331 - Advanced Reading and Grammar (3)**

Emphasizes the development of academic reading skills, utilizing university-level academic and literary texts. Includes intensive grammar instruction including parts of speech, appropriate use of verb tenses, and complex sentence structures.

Distribution: Humanities.

### **ESOL 1334 - Advanced Listening and Speaking (3)**

A communicative competency course emphasizing the improvement of listening skills, academic note taking, and proper pronunciation utilizing university level academic content.

Distribution: Humanities.

### **ESOL 1335 - Advanced Writing and Grammar (3)**

Emphasizes writing skills for academic purposes. Introduces academic vocabulary, research skills, plagiarism prevention as well as proper citation, and proper word choice for clear written communication. Includes intensive grammar instruction including parts of speech, appropriate use of verb tenses, and complex sentence structures.

Distribution: Humanities.

### **ESOL 1340 - Advanced Reading and Writing (3)**

Emphasizes the development of reading and writing for academic purposes utilizing academic and literary texts. Introduces research and writing skills for clear written communication in academic contexts.

Offered: Humanities.

### **ESOL 1410 - Listening and Speaking in English (4)**

A communicative competency course emphasizing the improvement of listening skills and pronunciation. Lab attendance required.

Distribution: Humanities.

### **ESOL 1420 - Listening and Speaking in English Intermediate (4)**

A communicative competency course emphasizing the improvement of listening skills and pronunciation utilizing university level academic content. Lab attendance required.

Distribution: Humanities.

## **EXAC- Exercise Activity**

### **EXAC 1101 - Lifetime Fitness (1)**

This class introduces students to basic concepts of wellness, fitness and lifestyle management through classroom instruction and physical activity. The course includes principles of physical fitness including cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition and nutrition. Students will apply this knowledge in developing an individual fitness program. Lab fee.

Distribution: Exercise Science .

### **EXAC 1105 - Low Organized Activities (1)**

Games and teaching strategies for teaching elementary physical education. Involves the philosophy of "New PE" and Developmentally Appropriate Activities. Designed for elementary education majors. Lab fee.

Distribution: Exercise Science .

### **EXAC 1109 - Aerobic Walking (1)**

This course introduces students to basic concepts of walking for health and fitness. This course covers proper technique for fitness walking, power walking, race walking and basics of cardio respiratory exercise prescription, flexibility, hydration and nutrition. Lab fee.

Distribution: Exercise Science .

### **EXAC 1110 - Basic Tennis (1)**

Knowledge of tennis rules and officiating with instruction and practice in the skills of the game including the service, forehand and backhand ground strokes, and volleys. Lab fee.

Distribution: Exercise Science .

### **EXAC 1111 - Intermediate Tennis (1)**

A continuation of EXSS 1110 with additional tennis skills such as the lob, overhead smash, drop shots, and

experience in competitive play. Prerequisite: Adequate skill. Lab fee.

Distribution: Exercise Science .

### **EXAC 1120 - Basic Swimming (1)**

Students will learn fundamentals of freestyle and backstroke. Emphasis will be placed on kicking, pulling, and breathing techniques. No prior swimming experience required. Lab Fee

Distribution: Exercise Science .

### **EXAC 1121 - Intermediate Swimming (1)**

Students will review technique for freestyle, backstroke and breaststroke. Emphasis will be placed on stroke refinement and cardiovascular conditioning. Proficiency in freestyle, including rhythmic breathing and swimming with your face in the water is required. Prior team experience, private lessons, or successful completion of Basic Swimming (EXSS 1120) suggested. Lab Fee

Distribution: Exercise Science .

### **EXAC 1191 - Seminar (1)**

Lab Fee

Distribution: Exercise Science .

### **EXAC 2110 - Spinning (1)**

Designed for both the beginner spinner (stationary cycling) as well as advanced spinners which allows all who participate to spin at their own maximum fitness capacity. The bulk of the course will be spent working out on the spinning bikes. However, we will also address the benefits of spinning, proper bike fit, pedaling technique, bike positions, heart rate zones, principles of aerobic and anaerobic training, hydration, nutrition, and stretching. Lab Fee

Distribution: Exercise Science .

### **EXAC 2111 - Yoga (1)**

Course introduces the ancient discipline of personal development that balances the body and mind. Students learn a series of physical postures as well as practical methods for relaxation, proper breathing, and concentration that promote health, alleviate stress, improve skeletal alignment, and increase muscular strength and flexibility. Lab Fee

Distribution: Exercise Science .

### **EXAC 2120 - Marathon and Half-Marathon Training (1)**

This course introduces students to basic marathon training schedules and principles to include nutrition, hydration, periodization, rest, recovery and race day strategies. Students will be expected to participate in regular training

runs. The class will culminate by students participating in a sponsored half-marathon (13.1 miles) or a full marathon (26.2 miles). May be repeated once for credit. Lab fee.

Distribution: Exercise Science .

### **EXAC 2125 - Camping and Backpacking (1)**

The focus of this course is fundamental knowledge in trip planning, camping and backpacking. Topics will include equipment, transportation, activities, navigation, safety, environmental concerns and risk management. Students will participate in a 3-day camping trip to a Texas State Park. Basic fitness level required. Lab fee.

Distribution: Exercise Science .

### **EXAC 2130 - Conditioning (1)**

Fundamentals of body conditioning with special emphasis on physical fitness and motor fitness through selected laboratory experience such as isometrics, isotonic, and circuit training. Lab fee.

Distribution: Exercise Science .

### **EXAC 2131 - Modified Physical Education (1)**

A class for students needing modified activities because of limitations due to physical status. Pre-requisite: Submission of written documentation from a medical doctor stating limitations and prescriptions to Disability Support Services and subsequent approval. Secondary approval from the Dean of EXSS May be repeated once for credit. Lab fee.

Distribution: Exercise Science .

### **EXAC 2132 - Aerobics (1)**

This course introduces students to a variety of aerobic formats including stepping, short distance running and walking, kickboxing, BOSU, circuit and interval training. Designed for both beginners and more advanced levels of fitness, this course encourages students to participate at their maximum level. Class format includes pre and post fitness testing for cardiovascular endurance. Lab Fee

Distribution: Exercise Science .

### **EXAC 2133 - Weight Training (1)**

A progressive conditioning course that introduces the student to isotonic muscle contractions for the muscular development of strength and endurance. In addition, the course emphasizes weight room safety, proper spotting and techniques in weight lifting. Lab fee.

Distribution: Exercise Science .

### **EXAC 2181 - CruFit Bootcamp (1)**

CruFit Bootcamp is high intensity strength and cardio exercises designed to develop your strength and endurance while burning many calories. The workouts are at a pace

that takes you from one exercise to the next with little or no rest. You will be able to take breaks as individually needed, but the goal is to keep your heart rate up. Equipment used will be your body weight, kettlebells, bands, physio-balls and a great attitude. Lab Fee

Distribution: Exercise Science .

### **EXAC 2191 - Seminar (1)**

Lab Fee

Distribution: Exercise Science .

### **EXAC 3108 - Triathlon Training (1)**

This class introduces students to basic triathlon training principles to include sports nutrition, swim training, racing strategies, nutrition/hydration, transitions, and periodization principles. The course includes basic bicycle maintenance and equipment needs. Students will be expected to participate in training sessions and one triathlon event during the semester. Deep water swimming skills and basic fitness level required. Students are expected to provide some of their own equipment. Lab fee.

Distribution: Exercise Science .

### **EXAC 3111 - Intermediate Yoga (1)**

This intermediate yoga class is designed for students who have mastered basic yoga postures and concepts. Though the emphasis of the class will be on physical yoga practice for increased flexibility, improved health, realization, and reduced stress in daily living, we will gain understanding of yoga's general principles. Lab fee.

Distribution: Exercise Science.

### **EXAC 3112 - Yoga Boarding (1)**

Students will practice yoga on stand-up paddleboards (SUPs). This class will take place at Lake Belton or other suitable waters in the local area. Through practicing yoga in an unstable environment, students will improve balance, proprioception, core strength and gain more confidence in their yoga postures. The peacefulness and tranquility of floating on the water combines nicely with the meditative nature of yoga. Lab fee.

Distribution: Exercise Science.

### **EXAC 3120 - Crossfit (1)**

"Forging Elite Fitness" This intensive activity class will require an 8-week commitment to a program..."That delivers a fitness that is, by design, broad, general and inclusive. Crossfit's specialty is not specializing. The Crossfit program is designed for universal scalability making it the perfect application for any committed individual regardless of experience. Lab fee.

Distribution: Exercise Science .

### **EXAC 3122 - Angling (1)**

In the basic fishing course students will explore the skills and equipment needed to fresh and salt water fish. The course material will include resources available to beginning and intermediate anglers. Topics covered in this course include basic rods and reels, safety, knot tying, fish identification, ethics, rules and regulations and aquatic ecology. The majority of the class sessions will be held on the waterfront where students will test their knowledge and skills. Lab fee.

When this course is taught on a trip, it carries a corequisite of EXAC 4113 Stand Up Paddleboarding. Students wishing to travel on the trip must enroll in both EXAC 3122 Angling and EXAC 4113 Stand Up Paddleboarding for the applicable term/subterm.

Distribution: Exercise Science .

### **EXAC 3123 - Kayak and Canoeing (1)**

Basic instruction in kayaking and canoeing skills and safety. Focus will be on basic kayak and canoe techniques in lake, river and stream navigation. Prerequisite: Ability to swim. Lab fee.

Distribution: Exercise Science .

### **EXAC 3191 - Seminar (1)**

Lab fee

Distribution: Exercise Science .

### **EXAC 3210 - Adventure Activities (1)**

Basic instruction and application of adventure activities including kayaking, mountain biking, trekking, water crossings, navigation and team building. Emphasis is placed on outdoor adventure activities and team dynamics. Class includes basic camping and hiking skills. Swimming skills and basic fitness level required. Lab fee.

Distribution: Exercise Science .

### **EXAC 4110 - Mountain Biking (1)**

This class introduces students to basic mountain biking. The focus is on training principles, bike handling skills, equipment needs, mechanics, nutrition, hydration and safety. Emphasis is placed on specific off-road mountain biking skills such as braking, shifting, downhill riding, climbing, drafting and course management. Minimal cycling skills and basic fitness level required. Mountain bikes are provided by the EXSS department. Lab fee.

Distribution: Exercise Science .

### **EXAC 4111 - Rock Climbing (1)**

This class introduces students to basic rock climbing principles, including techniques and maneuvers, knots,

anchoring and belaying systems, rappelling and categories of climbing. In addition, students become familiar with history, safety and ethics as well as equipment, including nomenclature, use, and care. Emphasis is placed on top-roped climbing systems and bouldering. Basic fitness level is required for participation in this class. Students are required to participate in a 3-day field trip. Lab fee.

Distribution: Exercise Science .

### **EXAC 4112 - Snow Skiing (1)**

This course introduces students to basic and intermediate snow skiing. The course material includes basic equipment knowledge, proper skiwear, ski area navigation, safety and injury prevention, basic fitness, nutrition and hydration and etiquette. Emphasis is placed on downhill skiing, basic form and safety principles. Students are expected to participate in daily training sessions and make every attempt to progress in skill level during the course. No experience is necessary. Class will be taught off-campus. A basic fitness level is required. Lab fee.

Distribution: Exercise Science .

### **EXAC 4113 - Stand Up Paddleboarding (1)**

Instruction in safety and techniques of lake, river and ocean stand up paddleboarding. Primary focus will be placed on paddleboarding as a fitness activity, paddleboard construction and design, terminology and paddling technique. Pre-requisite: Every student must be able to successfully complete a swimming test prior to beginning the class. Lab fee.

When this course is taught on a trip, it carries a corequisite of EXAC 3122 Angling. Students wishing to travel on the trip must enroll in both EXAC 4113 Stand Up Paddleboarding and EXAC 3122 Angling for the applicable term/subterm.

Distribution: Exercise Science .

### **EXAC 4124 - Lifeguard Training (1)**

Instruction and skills training leading to American Red Cross nonsurf "Lifeguard Training" certificate. Prerequisite: Current American Red Cross "Standard First Aid" and "Adult CPR" or "Community CPR" certifications and adequate swimming skills. Lab fee.

Distribution: Exercise Science .

### **EXAC 4126 - Water Safety Instructor (1)**

Instruction and skills leading to "Water Safety Instructor" certification by the American Red Cross. Prerequisite: EXSS 4124 or EXSS 4125 or current American Red Cross certificate in "Emergency Water Safety" or "Lifeguard Training." Lab fee.

Distribution: Exercise Science .

### **EXAC 4130 - Team Activities (1)**

The course will focus on the organization, planning and implementation of large group activities. The course is designed to prepare students to manage team recreational activities in camp, church, school or city recreation settings. Lab fee.

Distribution: Exercise Science .

### **EXAC 4191 - Seminar (1)**

Lab fee

Distribution: Exercise Science .

### **EXAC 4220 - Scuba Diving (2)**

The course will focus on introductory scuba skills specifically to include equipment, safety, respiration, communication, buddy systems, dive planning, problem management and open-water diving skills. Upon successful completion of this course, a student will receive an open-water dive certification. Prerequisite: Ability to swim. (This course only counts as 1 activity course in the UMHB Core requirement). Lab fee.

Distribution: Exercise Science .

## **EXSS Exercise & Sport Science**

The activity program reflects the current philosophy of leading educators regarding optimum development of the concepts of physical fitness including muscular strength development, muscular endurance, cardiovascular endurance, body composition, flexibility, and nutrition. Desirable outcomes include optimal levels of fitness and proficiency in one or more lifetime activities.

UMHB academic foundation requirements prescribe a minimum of two different activity courses to enrich each student's program.

A fee is required for each course to defray the cost of expendable equipment, supplies, and locker service. Students are expected to dress in appropriate attire for activity participation.

Students with long term physical disabilities should present a medical examination form from a medical doctor that outlines physical limitations and prescriptions to the Associate Dean of the EXSS Department to be filed with the student's major advisor and the Registrar. These students may be assigned to EXSS 2131 Modified Physical Education.

### **EXSS 1191 - Seminar (1)**

May be repeated for credit. Fee.

Distribution: Exercise Science .



**EXSS 2335 - Introduction to Health Sciences (3)**

This course provides students an overview of various careers in the health sciences including the aptitudes, abilities and educational pathways required for each. A basic overview of the U.S. health care system and current issues affecting the delivery of health care will also be provided. Throughout the course, interprofessional practice, communication, and ethics in health care will be explored.

Distribution: Exercise Science .

**EXSS 2330 - Foundations of Teaching Physical Education (3)**

This course is an in-depth professional orientation into the field of teaching physical education. It will provide the prospective teacher with a general concept of the history, philosophy, current practices, teacher qualifications and opportunities in the field of physical education.

Distribution: Exercise Science .

**EXSS 2340 - Introduction to Exercise and Sport Science (3)**

An exploratory course which introduces the student to areas of study within Exercise and Sport science. The course surveys foundational components of exercise and sport through the perspectives of experience, research, and professional practice.

Distribution: Exercise Science .

**EXSS 2345 - Human Anatomy (3)**

This course provides the basic principles of human anatomy. Students will learn human anatomy as it related to function through the study of photographs, models, drawings, and their own bodies. Concentration will be on skeletal, muscular, nervous, cardiovascular, as well as other basic organ systems as they relate to Exercise and Sport Sciences (EXSS) and allied health. \* This course will not satisfy the UMHB core requirement for Laboratory Science.

Distribution: Exercise Science .

**EXSS 2350 - Prevention and Care of Athletic Injuries (3)**

This course is designed to introduce students interested in coaching athletics to prevention and care of injuries and conditions related to athletic participation. Emergency management, injury signs and symptoms, basic injury care, rehabilitation and taping and wrapping techniques are also covered.

Distribution: Exercise Science .

**EXSS 2352 - Personal Health and Fitness (3)**

A study of factors that contribute to personal health, including nutrition, diet, weight control, emotional health, stress, proper use of drugs, and medical and dental services.

Distribution: Exercise Science .

**EXSS 2353 - Lifespan Nutrition (3)**

This course will address the role of nutrition throughout one's life. Topics will include the issues of food choices, energy balance, and their relationship to the world issue of obesity and the obesity epidemic. This course is an introduction to nutrition, including nutritive value of foods, factors influencing body food requirements, their importance in promoting health and preventing disease and the body processes and their relation to total nutrition.

Distribution: Exercise Science .

**EXSS 2355 - Medical Terminology (3)**

This course emphasizes medical terminology used in healthcare related professions. This course will go through a full understanding of medical terminology, from word origins to their application in areas such as pathological conditions, major bodily systems, disorders, treatments, medications and more.

Distribution: Exercise Science .

**EXSS 2370 - Emergency Healthcare (3)**

This course emphasizes Safety, CPR, and First Aid for the allied healthcare professional in the Community, School, and Athletic healthcare settings.

Distribution: Exercise Science .

**EXSS 2371 - Principles of Sport Management (3)**

An introduction to the basic concepts, career preparation skills and professional opportunities available in sport management.

Distribution: Exercise Science .

**EXSS 3107 - Advanced Cardiovascular Training (1)**

School of EXSS CAPSTONE Cardiovascular course required of all majors/minors. The focus is on distance running, advanced training methods and the importance of cardiovascular health. Requirements include V02 Max Treadmill Lab. The final exam in this course requires all students to complete a non-stop 5 mile run at optimal performance measures. Pre-requisite: First Class Day 2-3 mile run.

May be repeated once for credit. Lab fee.

Distribution: Exercise Science .

**EXSS 3135 - Advanced Resistance Training (1)**

Principles of program design, supervision, musculoskeletal risk factor identification, and methods of resistance training and assessment are emphasized in laboratory demonstrations. The course emphasizes a theoretical understanding of program design. (EXSS Majors only) Lab fee. Prerequisite: EXSS 3390.

Distribution: Exercise Science .

**EXSS 3141 - Exercise and Sport Science Practicum (1)**

This course provides field based leadership opportunities that are specific to each major field of study in Exercise and Sport Science. The instructor will assign supervised professional experience in selected venues under qualified personnel. Fee. Prerequisite

Distribution: Exercise Science .

**EXSS 3170 - Health Science Clinical I (1)**

Students must be a Health Sciences major in good academic standing. The clinical program provides the Health Sciences student with opportunity to observe physical therapy or occupational therapy setting to learn about the field of study, the events that occur in a clinical setting, and to develop professional contacts specific to the profession. Students are required to fulfill 50 hours of observation under a licensed physical therapist or occupational therapist for search section of 3170, 4170 and 4171 by the summer before their senior year for a total of 150 hours minimum. The clinical hours will be completed under the supervision of the supervising therapist at the clinical site and a faculty member from the EXSS Department.

Distribution: Exercise Science .

**EXSS 3300 - Teaching Team and Individual Sports (Theory Course) (3)**

This course will provide students with learning experiences in teaching motor skills, and activities in a variety of individual and team sports. Students will also gain greater knowledge of the activity or sport, and an appreciation for the basic skills needed for successful participation.

Distribution: Exercise Science .

**EXSS 3310 - Communication in Sport (3)**

An investigation of public relations and communication practices in sport including reputation management, media relations, crisis communications, community relations, and fostering relationships with key publics. Emphasis placed upon interpersonal, small group, and mass communication, electronic media applications, public speaking, and written communications in the sport industry.

Distribution: Exercise Science .

**EXSS 3312 - Methods of Coaching (3)**

The purpose of this course is to instruct students in the methodology behind the technical (motor skill) and tactical (strategic) aspects of team and individual sports. Students will learn different approaches to methodology as well as how to effectively design practice, in-season, off-season plans, and game plans. Player and team skill analysis and feedback will be highlighted.

Distribution: Exercise Science.

**EXSS 3315 - Sport and Media Technology (3)**

This course explores the emerging use of technology in sport management, specifically the evolution and role of new media. Students will gain knowledge and an understanding of new media through the use of various digital platforms utilized throughout the sport industry.

Distribution: Exercise Science .

**EXSS 3354 - Performance Nutrition (3)**

This course is an introduction to the effects of nutrition on various parameters of exercise performance. Emphasis will be given to whole food nutritional strategies and ergogenic aids that impact energy production, exercise performance, recovery from exercise, body composition, and overall health.

Distribution: Exercise Science .

**EXSS 3357 - Pharmacology (3)**

A study in the basic principles of pharmacology to include, administration, absorption, metabolism, excretion and pharmacokinetics. Other topics included will be prescriptions, tolerance, side-effects, interactions, polypharmacy, body responses and abuse. Prerequisite: BIOL 2340/BIOL2140.

Distribution: Exercise Science .

**EXSS 3360 - Sport Venue/Event Management (3)**

A study of the responsibilities of facility managers including event planning, security, administration, sales/marketing, finance/budgeting, human resources, legal issues, risk management, operations/maintenance, systems planning, site selection/design, and construction issues. Students are exposed to practical procedures involving applied theory to actual practice in solving facility management dilemmas.

Distribution: Exercise Science .

**EXSS 3372 - Sociology of Sport (3)**

A study of sport function from an economic, political, sociological, and educational perspective. Includes examination of social influences regarding mass media, race, gender, and group behavior in relation to sport as a microcosm of society.

Distribution: Exercise Science .

### **EXSS 3373 - Governance of Sport (3)**

An investigation of the various agencies governing sport. Includes an examination of the agencies, their authority, organizational structure, and their function.

Distribution: Exercise Science .

### **EXSS 3374 - Sport Promotion/Marketing (3)**

A focus on applying the fundamental concepts of marketing, including product, price, public relations, promotions, sales, and advertising in relation to the sport industry.

Distribution: Exercise Science .

### **EXSS 3375 - Economics in Sport (3)**

An examination of core economic concepts and applications within the sport industry including industrial organization, public finance, labor relations, non-profit entities, and economic theory applied to sport manufacturing and service industries, professional and intercollegiate sports, and stadiums/arenas applications. Economic principles studied include micro/macro perspectives, economic growth, economic impact, and competitive strategy.

Distribution: Exercise Science .

### **EXSS 3376 - Research Methods in Sport Management (3)**

This course is designed to prepare students to conduct effective research to address problems facing managers in the contemporary sport industry. Students will be provided with the appropriate skills and perspectives relating to research designs, implementation, analysis, and assessment criteria unique to sport management. Contemporary and innovative research methods will be examined in an attempt to address the current internet and technologically driven sport industry.

Distribution: Exercise Science .

### **EXSS 3377 - International Sport Management (3)**

This course is an examination of sport business in a global society. It promotes awareness of the magnitude of the global expansion and development of sport. Emphasis is placed on the business opportunities created internationally through contrasting the U.S. sport industry with foreign markets. Issues covered include globalization, importing and exporting, cultural implications, international sporting events, international sport marketing, and cultural case studies.

Distribution: Exercise Science .

### **EXSS 3378 - Exercise Psychology (3)**

This course examines psychological theories and research related to exercise behavior. The course introduces the student to the field of psychology by providing a broad overview of the major topics in the field.

Distribution: Exercise Science.

### **EXSS 3379 - Sport Psychology (3)**

This course examines psychological theories and research related to sport behavior. The course introduces the student to the field of sport psychology by providing a broad overview of the major topics in the field.

Distribution: Exercise Science .

### **EXSS 3384 - Coaching Theory (3)**

This course is a comprehensive introduction to the sports coaching profession. The primary goal of the course is to develop and enhance students' knowledge and understanding of modern concepts and techniques of sports coaching and their application. This class emphasizes positive coaching to build character and self-esteem through sports.

Distribution: Exercise Science .

### **EXSS 3390 - Anatomical Kinesiology (3)**

Application of the basic mechanics of human motion in the movement sciences. Includes a study of gross anatomy with application of the anatomical and mechanical principles involved in human movement.

Distribution: Exercise Science .

### **EXSS 3395 - Physiology of Exercise (3)**

This course is a study of physiology as relates to the acute and chronic effects of exercise. Areas of focus include bioenergetics, exercise metabolism, and temperature regulation. Skeletal muscle physiology and the physiology of the nervous, cardiovascular, and pulmonary systems and their responses and adaptations to exercise are emphasized.. Prerequisite: BIOL 2440

Distribution: Exercise Science .

### **EXSS 3396 - Physiology of Exercise II (3)**

A continuation of study in physiology related to exercise and the bodily systems. Emphasis will be placed exercise endocrinology, exercise and the threat of acid-base balance disturbance, applied physiology related to elite sport performance, special populations, environment physiology, and an increased emphasis on the laboratory components related exercise physiology. Prerequisite: EXSS 3395

Distribution: Exercise Science .

**EXSS 4050 - Health Science Assessment (0)**

Required of all Health Science majors. This course will assess the application process and acceptance rates into professional schools for all Health Science majors during their senior year.

Distribution: Exercise Science .

**EXSS 4103 - Seminar in Health Sciences (1)**

This capstone professional preparation course guides that students in their respective allied health graduate school application process. This writing emphasis course helps direct the students in the production of all required documents related to the application process including: resume preparation, cover letters, personal essays, and letters of application/interest. Other emphasis includes etiquette of letter of recommendations, exercising interview skills, and continues education on the application process including an overview of centralized application services. Additionally, the course provides interaction with professionals in both clinical and academic backgrounds to best prepare them for a successful application process into their respective graduate programs. Prerequisite: EXSS 3107

Distribution: Exercise Science .

**EXSS 4180 - Coaching Practicum (1)**

This course is designed to provide students the opportunity to apply the principles and practices of coaching in a junior high or high school environment. The student will be allowed to actively participate in practical coaching experiences under the guidance and supervision of a qualified coach. Through this experience, the student is provided with the opportunity to engage in the various dimensions of coaching to demonstrate their coaching abilities in a practical setting.

Distribution: Exercise Science.

**EXSS 4104 - Senior Seminar (1)**

The Senior Seminar course is designed to prepare those students seeking teacher certification in All-Level Physical Education, to successfully complete the physical education content exam. Emphasis will be given to testing strategies, study material and practice questions. A passing score on the practice examination administered at the end of the course will be required for clearance to take the Texas Physical Education certification exam. Prerequisite: EXSS 3107

Distribution: Exercise Science .

**EXSS 4108 - Advanced Olympic Lifting Techniques (1)**

This course will examine the technique and skills related to performing the primary Olympic lifts. The snatch, the clean, and jerk. The focus of the course will be to improving hands-on coaching skill of a future strength and

condition specialist. Identification of cues and the movement pattern concerns will be included to ensure these moves are performed safely and powerfully.

Distribution: Exercise Science.

**EXSS 4170 - Health Science Clinical II (1)**

Students must be a Health Sciences major in good academic standing. The clinical program provides the Health Sciences student with opportunity to observe physical therapy or occupational therapy setting to learn about the field of study, the events that occur in a clinical setting, and to develop professional contacts specific to the profession. Students are required to fulfill 50 hours of observation under a licensed physical therapist or occupational therapist for search section of 3170, 4170 and 4171 by the summer before their senior year for a total of 150 hours minimum. The clinical hours will be completed under the supervision of the supervising therapist at the clinical site and a faculty member from the EXSS Department.

Distribution: Exercise Science .

**EXSS 4171 - Health Science Clinical III (1)**

Students must be a Health Sciences major in good academic standing. The clinical program provides the Health Sciences student with opportunity to observe physical therapy or occupational therapy setting to learn about the field of study, the events that occur in a clinical setting, and to develop professional contacts specific to the profession. Students are required to fulfill 50 hours of observation under a licensed physical therapist or occupational therapist for search section of 3170, 4170 and 4171 by the summer before their senior year for a total of 150 hours minimum. The clinical hours will be completed under the supervision of the supervising therapist at the clinical site and a faculty member from the EXSS Department.

Distribution: Exercise Science .

**EXSS 4175 - Seminar in ECG Analysis (1)**

The course will provide the students a thorough understanding of the components of the electrocardiogram (ECG) waveform, recognition and interpretation of cardiac rhythms, and diagnosing abnormal conditions such as ischemia using ECG patterns that are most seen in clinical settings both at rest and during exercise.

Distribution: Exercise Science.

**EXSS 4185 - CSCS Seminar (1)**

The CSCS Seminar course is designed to prepare those students seeking certification as a Certified Strength and Conditioning Specialist (CSCS). Emphasis will be placed on a review of the exam content, structure of the exam, and include a guided review of exam specific content.

Additionally, professional practices related to the field of strength and conditioning will be discussed.

Distribution: Exercise Science.

### **EXSS 4310 - Teaching Children and Adolescents Physical Education (3)**

The purpose of this course is to provide prospective physical education teachers insight into the overall physical education program for children and adolescents in grades K-12. Emphasis is placed on program development, curriculum planning, and instructional methods and strategies needed to conduct a quality physical education program.

Distribution: Exercise Science.

### **EXSS 4315 - Ergogenic Aids in Sport (3)**

This course provides the student with a comprehensive overview of ergogenic aids in the world of sport. Concentration will be on ergogenic aids related to nutritional interventions, dietary supplements, and mechanical aids, and their proposed effects on performance (strength, endurance, power), body composition, and anything that theoretically improves an individual's capacity to do work.

Distribution: Exercise Science.

### **EXSS 4319 - Program Design in Strength and Conditioning (3)**

This course is focused on the manipulation of various training variables that elicit adaptations in strength and conditioning. This will include in-depth study of program design, periodization models, and other considerations for developing endurance, power, strength, agility and speed in athletic populations.

Distribution: Exercise Science.

### **EXSS 4320 - Group Fitness Programming (3)**

This course is an examination of the process of developing an effective group fitness environment with programming attention to safety, optimal coaching & teaching, training principles, and correction/progression techniques. An applied emphasis on tailoring programs to achieve desirable, long-term results associated with a physically active, healthy lifestyle. Students will be encouraged to obtain a Group Fitness Certification.

Distribution: Exercise Science .

### **EXSS 4325 - Entrepreneurship in Fitness, Wellness & Sport (3)**

This course examines the role of the entrepreneur and the decision making process associated with a start-up enterprise relating to the fitness, wellness and sport industries. Students will develop a business plan for a sport, fitness, recreation or wellness related organization

that will include an emphasis on marketing, financing options, and sources of funding.. Students will understand the entrepreneurial process and the skill sets required of entrepreneurs

Distribution: Exercise Science .

### **EXSS 4330 - Wellness Programming and Assessment (3)**

This course is a study of the components of designing, implementing, and evaluating a worksite wellness program while investigating the methodology of behavioral change. The course is an examination of the role of worksite health promotion on disease prevention while addressing physical activity, nutrition, and preventive care with an emphasis on program development, effective management, and the related health and economic benefits associated with wellness in the workplace. Examples provided of methods for engaging and motivating employees to become active in their health and take responsibility for their well-being.

Distribution: Exercise Science .

### **EXSS 4335 - Biomechanics of Human Movement (3)**

This course is the study of the basic principles of mechanics and human motion to provide students with an understanding of the internal and external forces that act on the body during movement. The role of muscle in generating force and controlling movement in the human body will be emphasized.

Distribution: Exercise Science .

### **EXSS 4340 - Elementary Methods of Teaching Physical Education (3)**

This course will provide pre-service students insight into the overall physical education program for children in grades K-5. Emphasis is placed on program development, curriculum planning, and instructional methods and strategies that are intended to provide an understanding of the fundamental motor skill approach to children's physical education. Students are provided with both observation and peer teaching experiences.

Distribution: Exercise Science .

### **EXSS 4341 - Secondary Methods of Teaching Physical Education (3)**

This course will provide prospective physical education teachers insight into the overall physical education program for children in grades 6-12. Emphasis is placed on program development, curriculum planning, and instructional methods and strategies at the secondary level. Students are provided with both observation and peer teaching experiences.

Distribution: Exercise Science .

**EXSS 4344 - Leadership in Health Science (3)**

This course presents leadership and management theories and concepts with opportunities to enhance personal skill development through self-assessment exercises. It provides students with contemporary perspectives on ethics, coaching, organizational culture, networking, learning organizations, strategic and crisis leadership in Health Sciences.

Distribution: Exercise Science .

**EXSS 4350 - Principles of Strength and Conditioning (3)**

Study of current principles and procedures essential to strength and condition (S&C) practices. Emphasis placed on an introduction to all areas of performance and sport specific testing procedures related to performance variables such as speed, agility, power, endurance and strength. Proper procedures and policies related to facility set-up and management in a S&C setting will be emphasized.

Distribution: Exercise Science .

**EXSS 4351 - Rehabilitation and Therapeutic Exercise (3)**

This course will address the roles of rehabilitation professionals regarding evaluation and treatment of various musculoskeletal related injuries and pathologies. An emphasis will be placed upon basic anatomy, pathophysiology of various organ systems, tissue healing, orthopedic assessment techniques and rehabilitation interventions.

Distribution: Exercise Science .

**EXSS 4360 - Pathophysiology of Chronic Disease (3)**

This course will cover pathophysiology of the major chronic diseased states such as cardiovascular disease, cerebrovascular disease, dyslipidemia, hypertension, diabetes, cancer, obesity, COPD, etc. and will include etiology symptoms, and the physical reactions to diseases. Emphasis is placed on the interactions among body systems, and deviations from homeostasis and the role of lifestyle and nutrition on the progression and prevention of these diseased states. Prerequisite: A "C" or higher in BIOL 2341/2141.

Distribution: Exercise Science .

**EXSS 4370 - Internship in S&C (3)**

Students must be a Junior or Senior in good academic standing. The internship program provides the strength and conditioning (S&C) student with an educational opportunity to learn new skills in the area of S&C while working with athletes under the supervision of a Certified Strength and Conditioning Specialist (CSCS). Students are required to fulfill 300 hours over a minimum of 10 weeks in an approved setting. The internship will be completed

under the supervision of an internship site supervisor holding the CSCS credential and a faculty member from the School of EXSS. Final agreements and arrangements are subject to approval from the EXSS Associate Dean/program director. Prerequisite: EXSS 3107

Distribution: Exercise Science.

**EXSS 4375 - Ethics in Sport (3)**

A study of the development, practice, and application of moral values as applied to sport and business.

Distribution: Exercise Science .

**EXSS 4376 - Leadership Principles in Sport (3)**

An examination of the theory and practice of leadership principles in sport management.

Distribution: Exercise Science .

**EXSS 4377 - Field Experience (3)**

The field experience is the capstone of the sport management major and provides the EXSS student with an educational opportunity to learn in a professional sport management setting. Evaluation and direction will be given from the program director with appropriate supervision provided by an on-site professional. 300 hours of hands-on field experience subsequent to the senior year must be accumulated under the supervision of a qualified on-site professional. Prerequisite: EXSS 3107 and Junior level academic standing; Final agreements and arrangements are subject to approval from the EXSS Associate Dean/program director.

Distribution: Exercise Science .

**EXSS 4378 - Sport Finance (3)**

A study of basic financial concepts relating to the sport industry, including issues, managerial accounting practices, financial systems and business structure, capital structuring, budgeting, and principles of financial analysis.

Distribution: Exercise Science .

**EXSS 4379 - Legal Aspects of Sport (3)**

A study of legal implications of tort and liability law for education and sport-related industries. Includes and analysis of specific issues, court cases, and court decisions addressed by the American legal system.

Distribution: Exercise Science .

**EXSS 4390 - Independent Learning (3)**

Individual study of a selected topic in Physical Education under the direction of a member of the department. Variable credit hours determined by the Department Chairperson based on the student's needs. Limited to three courses per student. Fee.

Distribution: Exercise Science .

**EXSS 4392 - Tests and Measurements in EXSS (3)**

Tests and Measurement is designed to teach the student the foundational theory of measurement and evaluation including reliability, validity, objectivity, and relevance. Practical application of test construction and test analysis will be an integral part of the course. Descriptive and inferential statistical procedures will be addressed.

Distribution: Exercise Science .

**EXSS 4394 - Exercise Testing and Prescription (3)**

This course addresses the clinical aspects of exercise testing and prescription including health history assessment and disease risk stratification. This course will cover the pathophysiology related to diseased states such as cardiovascular disease, cerebrovascular disease, dyslipidemia, hypertension, diabetes, cancer, obesity, etc. and will discuss how physical activity or lack thereof influence the progression of these diseases. Laboratory skills of interest will be assessment of blood pressure, ECG, and administration of an exercise test.

Distribution: Exercise Science .

**EXSS 4395 - Motor Behavior (3)**

This course examines factors that influence motor development from conception through adulthood and discusses theoretical perspectives and practical applications of motor development principles throughout the life span. This course also considers factors that influence the learning of motor skills in various stages of learning.

Distribution: Exercise Science .

**EXSS 4398 - Internship in Exercise Science (3)**

Students must be a Junior or Senior in good academic standing. The internship program provides the EXSS student with an educational opportunity to learn new skills, develop professional contacts and apply academic knowledge in a community setting. Students are required to fulfill 300 hours over a minimum of 10 weeks in an approved clinical, health, nutrition, sport or fitness related setting. The internship will be completed under the supervision of an internship site supervisor and a faculty member from the EXSS department. Final agreements and arrangements are subject to approval from the EXSS Associate Dean/program director. Prerequisite: EXSS 3107

Distribution: Exercise Science .

**FINA - Fine Arts****FINA 2330 - Exploring the Fine Arts (3)**

The fine arts as they relate to the human experience. The course explores music, art and theater thru lectures, videos, discussion, and performance experiences.

NOTE: This course is required for those students receiving a degree in lower elementary education (EC-6) or interdisciplinary studies education.

Distribution: Visual and Performing Arts.

**FLAN - Foreign Language****FLAN 1391 - Special Topics in Foreign Languages (3)**

A course which presents topics of interest related to foreign languages or when there is an interest in study of a language not already offered. The course could involve a lab component along with classroom lectures.

Distribution: Humanities.

**FLAN 2391 - Special Topics in Foreign Languages (3)**

A course which presents topics of interest related to foreign languages or when there is an interest in study of a language not already offered. The course could involve a lab component along with classroom lectures.

Distribution: Humanities.

**FLAN 3391 - Special Topics in Foreign Languages (3)**

A course which presents topics of interest related to foreign languages or when there is an interest in study of a language not already offered. The course could involve a lab component along with classroom lectures.

Distribution: Humanities.

**FLAN 4391 - Special Topics in Foreign Languages (3)**

A course which presents topics of interest related to foreign languages or when there is an interest in study of a language not already offered. The course could involve a lab component along with classroom lectures.

Distribution: Humanities.

**FLAN 4491 - Special Topics in Foreign Languages (4)**

A course which presents topics of interest related to foreign languages or when there is an interest in study of a language not already offered. The course could involve a lab component along with classroom lectures.

Distribution: Humanities.

**FREN - French****FREN 1410 - French 1 (4)**

Beginning French consisting of fundamentals of grammar and composition with strong emphasis on oral comprehension and conversation. No prerequisite for 1410. Lab fee.

Distribution: Humanities.

**FREN 1420 - French 2 (4)**

Beginning French consisting of fundamentals of grammar and composition with strong emphasis on oral comprehension and conversation. Prerequisite 1410 or placement test. Lab fee.

Distribution: Humanities.

**FREN 2310 - French 3 (3)**

Study of grammar and composition. Selected readings from modern writers. Emphasis is on speaking, understanding, reading, and writing French. Prerequisite: FREN 1420; or equivalent.

Distribution: Humanities.

**FREN 2320 - French 4 (3)**

Study of grammar and composition. Selected readings from modern writers. Emphasis is on speaking, understanding, reading, and writing French. Prerequisite: FREN 2310; or equivalent.

Distribution: Humanities.

**GEOL - Geology****GEOL 1401 - Physical Geology (4)**

A study of the natural environment of man and the nature of material composing the earth, including the processes by which they are formed, altered, transported, and distorted. Various aspects of our oceans and the earth's atmosphere are included. This course is normally taught as a classroom course but in some instances it may consist of an extended field trip to different geological regions of the United States or Mexico. In such instances, enrollment will be limited and will require permission of the instructor. Expenses will be shared by the participants. Lab fee.

Distribution: Sciences.

**GEOL 1402 - Historical Geology (4)**

An introductory survey of the earth's geologic history from its earliest beginnings to the present, as well as a chronological study of how the processes of Physical Geology have operated, with emphasis placed on the North American continent. Ancient landmasses, ocean basins, mountain ranges, and the development of plants and animals will be among topics discussed. This course is normally taught as a classroom course but in some instances it may consist of an extended field trip to historically important geological regions of the United States or Mexico. In such instances, enrollment will be limited and will require permission of the instructor. Expenses will be shared by the participants. Lab fee.

Distribution: Sciences.

**GEOL 1410 - Environmental Geology (4)**

Basics of Geology with applications to current environmental concerns and sustainable practices using the scientific method. Three hours lecture and two hours laboratory per week. Designed for non-science majors and science majors. Laboratory fee.

Distribution: Sciences.

**GREK - Greek****GREK 2413 - Elementary Greek I (4)**

This course is an introduction to the most important grammatical constructions and categories of New Testament Greek. Practical applications, sample translations from the New Testament, linguistic theories, vocabulary acquisition, and samples of ancient Greek artifacts are included.

Distribution: Christian Studies.

**GREK 2414 - Elementary Greek II (4)**

This course is a continuation of Elementary Greek I. Consideration is given to the history of the New Testament text. Translation and interpretation of sections from one New Testament book serve as application. Prerequisite: GREK 2413.

Distribution: Christian Studies.

**GREK 3313 - Intermediate Greek I (3)**

This course is a study of New Testament Greek on an intermediate level. Sections from the Gospels and a New Testament epistle are used for detailed, interpretive studies of grammatical constructs and syntactical features. Additional New Testament translation and interpretation, extended vocabulary acquisition, semantic domain analysis, and familiarization with available study tools are included. Practical and personal applications based upon exegesis are emphasized. Prerequisites: GREK 2414 and CSBS 1312

Distribution: Christian Studies.

**GREK 3314 - Intermediate Greek II (3)**

This course is a study of New Testament Greek on an advanced intermediate level and the history of the Greek language that builds upon the content in Intermediate Greek I. Readings and translations may include selections from the New Testament, the Septuagint, early Christian literature, and the Greek philosophers. Practical and personal applications based upon exegesis are emphasized. Prerequisites GREK 3313 and CSBS 1312

Distribution: Christian Studies.



**GREK 4100 - Greek New Testament Reading Seminar (1)**

Advanced Greek students will improve their understanding of the Greek New Testament through translation and exegesis of selected texts. Practical and personal applications are emphasized. Prerequisite: GREK 3314.

Distribution: Christian Studies.

**HBRW - Hebrew****HBRW 2413 - Introduction to Classical Hebrew I (4)**

The course introduces the student to biblical Hebrew. Hebrew grammar, vocabulary, and morphology are the focus.

Distribution: Christian Studies.

**HBRW 2414 - Introduction to Classical Hebrew II (4)**

This course continues the focus on Hebrew grammar and vocabulary while including translation of biblical texts. Prerequisite HBRW 2413.

Distribution: Christian Studies.

**HBRW 3313 - Intermediate Classical Hebrew I (3)**

This course involves a more advanced examination of biblical Hebrew grammar, syntax, and morphology with more translation of the biblical text. Emphasis is placed on understanding biblical Hebrew in its ancient near eastern context. Prerequisite: HBRW 2414.

Distribution: Christian Studies.

**HBRW 3314 - Intermediate Classical Hebrew II (3)**

This course is dedicated to application of the Hebrew skills students have learned to this point through the translation of extensive sections of the Hebrew Bible. Emphasis is placed on understanding biblical Hebrew in its ancient near eastern context. Prerequisite: HBRW 3313

Distribution: Christian Studies.

**HBRW 4100 - Classical Hebrew Reading Seminar (1)**

Advanced Classical Hebrew students will improve their understand of the Hebrew Bible/Old Testament through translation. Prerequisite HBRW 3314.

Distribution: Christian Studies.

**HIST - History****HIST 1311 - History of World Civilizations to 1500 (3)**

A survey of selected civilizations and cultures from prehistory to approximately 1500, focusing on social political, economic, religious, and intellectual themes which had on-going influence within and between cultures.

Distribution: Social Sciences .

**HIST 1312 - History of World Civilizations since 1500 (3)**

A survey of selected civilizations and cultures from approximately 1500 to the twentieth century, focusing on social, political, economic, religious and intellectual themes, particularly the impact of expanding Western civilizations on other regions and the development of globalization.

Distribution: Social Sciences .

**HIST 2311 - American History to 1877 (3)**

A survey of the political, economic, and cultural dimensions of the United States from early explorations to 1877.

Distribution: Social Sciences .

**HIST 2312 - American History since 1877 (3)**

A survey of the political, economic, and cultural dimensions of the United States from 1877 to the present.

Distribution: Social Sciences .

**HIST 2340 - Historical Inquiry, Research, and Method (3)**

A study of the specific skills, competencies, and points of view used by professionals in the field of history. This course also examines the fundamental principles and theories relevant to historical inquiry and reviews the standards of historical research and writing. No Prerequisites required.

Distribution: Social Sciences .

**HIST 3313 - History of Texas (3)**

A study of the social, economic, and political history of Texas from the period of colonization to the present. Prerequisite: HIST 2311 or 2312, or instructor's consent.

Distribution: Social Sciences .

**HIST 3314 - The American South (3)**

A study of the South from its colonial beginnings to the present. Special emphasis is placed on the history and development of slavery before the Civil War and of black southerners after. Prerequisite: HIST 2311 or 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

**HIST 3325 - History of the American Presidency (3)**

A study of the development of the power, the influence, and the limitations of the chief executive, including the President of the United States, state governors, and other executives in the American System. Prerequisite: HIST 2311 or 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 3340 - Asian History (3)**

This course will consider the political, social, military, and cultural history of East Asia, Southeast Asia, and South Asia from the mid-1800s to the present day. Students will analyze the development of various forms of government including colonialism in India, Japan, China, Korea, Vietnam, and the Philippines. In addition, class-members will assess the stereotypes embraced by both western and Asian leaders, and determine how various misconceptions and national traits resulted in occupation and even war.

Prerequisite: HIST 2340

Distribution: Social Sciences.

### **HIST 3362 - History of Latin America (3)**

A study of Central and South America including European heritage, discovery, exploration and settlement, colonial institutions and government, struggles for independence, and the establishment of national states. Prerequisite: HIST 1311 or 1312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4090 - History Capstone (0)**

All history majors will complete test covering competencies in using the tools of historical research, vocabulary, analysis, and content. Students will also submit reflective essays responding to experiences in their coursework. Class assessment is on Pass/Fail basis. Prerequisite: Senior standing.

Distribution: Social Sciences .

### **HIST 4195 - Internship (1)**

This course allows the student to obtain credit for interning in a position related to his/her major or minor field of study. It must be pre-approved by the faculty in the History and Political Science Department. Credit hours awarded will be related to the number of hours worked, with at least forty-five hours of internship required for each credit hour awarded. Internships may be either paid or unpaid for field experience. All internships also will contain an academic component supervised by a faculty member in the Department. The internship plan must be approved by all parties prior to registration for the class. This class will be assessed on a Pass/Fail basis. While the class may be repeated once, only 3 hours may count toward the History major or minor. Prerequisites: Junior standing and at least a 3.0 GPA.

Distribution: Social Sciences .

### **HIST 4295 - Internship (2)**

This course allows the student to obtain credit for interning in a position related to his/her major or minor field of study. It must be pre-approved by the faculty in the History and Political Science Department. Credit hours awarded

will be related to the number of hours worked, with at least forty-five hours of internship required for each credit hour awarded. Internships may be either paid or unpaid for field experience. All internships also will contain an academic component supervised by a faculty member in the Department. The internship plan must be approved by all parties prior to registration for the class. This class will be assessed on a Pass/Fail basis. While the class may be repeated once, only 3 hours may count toward the History major or minor. Prerequisites: Junior standing and at least a 3.0 GPA.

Distribution: Social Sciences .

### **HIST 4311 - Constitutional History of the US I (3)**

A study of the historical evolution of the United States Constitution with an emphasis on court decisions concerning federalism, separation of powers, and economics. (Same as POLS 4311) Prerequisite: HIST 2311 or 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4312 - Constitutional History of the US II (3)**

A study of the historical evolution of the United States Constitution with an emphasis on court decisions concerning civil rights and civil liberties. (Same as POLS 4312) Prerequisite: HIST 2311 or 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4313 - History of Western Political Thought Through the Enlightenment (3)**

A study of the history of political theory with emphasis on Plato, Aristotle, Cicero, Augustine, Aquinas, and Machiavelli. (Same as POLS 4313) Prerequisite: HIST 1311 or 1312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4314 - History of Western Political Thought from the Nineteenth Century to the Present (3)**

A study of early modern and modern western political theory with emphasis on Hobbes, Locke, Rousseau, the English utilitarians, Marx, and Nietzsche. (Same as POLS 4314) Prerequisite: HIST 1311 or 1312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4315 - History of Modern Africa (3)**

This course will review Africa's history from the early 1800s to the end of the 20<sup>th</sup> century and will focus on the themes of imperialism, resistance movements, and the evolution of post-colonial societies. Students will examine such topics as travelers and missionaries, the Mau Mau Rebellion, genocide, child soldiers, and the diamond trade. Prerequisite: HIST 2340.

Distribution: Social Sciences.

### **HIST 4316 - Women's History (3)**

This course will examine how gender and sexuality intersect with race, ethnicity, and nationality in a comparative and global context. Prerequisite: HIST 2340.

Distribution: Social Sciences.

### **HIST 4321 - Colonial & Revolutionary America (3)**

A study of the economic, political, and cultural development of the English settlements in North America from their establishment through the revolutionary struggle and its aftermath to 1789. Prerequisite: HIST 2311, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4322 - Age of Jefferson & Jackson (3)**

A study of American history from 1789 to 1850, including the organization of government under the Constitution, the rise of political parties, nationalism, expansion, and the development of sectionalism. Prerequisite: HIST 2311, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4323 - Civil War & Reconstruction (3)**

A study of the constitutional, economic, and intellectual crisis of the United States in the 1850s, the disruption of the Union, the Civil War, and the Reconstruction era to 1877. Prerequisite: HIST 2311 or 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4324 - Emergence of Modern America (3)**

A study of the development of urban-industrial America which examines the impact of industrialism on American economic, political, and cultural life through the Progressive Era. Prerequisite: HIST 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4325 - Contemporary America (3)**

A study of the economic, political, and cultural life of the United States from the close of World War I through World War II, domestic America after 1945, and the Cold War era. Prerequisite: HIST 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4330 - History of Church State In the U.S. (3)**

A study of the interaction of religion, politics, and the state from colonial times to the present from historical, legal, and social scientific perspectives. (Same as POLS 4330)

Prerequisite: HIST 2311 or 2312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4340 - Ancient Greece & Hellenistic World (3)**

A study of social, economic, political, and cultural developments in Greece from the Mycenaean period through the Alexandrian Empire and the Roman Republic. Prerequisite: HIST 1311, and HIST 2340, or instructor consent.

Distribution: Social Sciences .

### **HIST 4342 - Roman Empire & Medieval World (3)**

A study of social, economic, political, and cultural development in the later Roman Empire, medieval Europe, Byzantium and Islam to circa 1400 c.e. Prerequisite: HIST 1311, and HIST 2340, or instructor consent.

Distribution: Social Sciences .

### **HIST 4371 - 19th Century Europe, 1815-1914 (3)**

A study of the development of Europe from the end of the Napoleonic era through the beginning of World War I. Prerequisite: HIST 1312, and HIST 2340, or instructor's consent.

Distribution: Social Sciences .

### **HIST 4375 - Twentieth Century Europe (3)**

A study of the leading European states from the onset of World War I through the fall of the Soviet Union and its effects. Special attention is given to the origin, philosophy, and significance of communism, socialism, fascism, and Nazism. Prerequisite: HIST 1312, and HIST 2340, or instructor consent.

Distribution: Social Sciences .

### **HIST 4376 - Early Modern Europe, Renaissance to 1789 (3)**

A study of the rise of modern Europe from the Renaissance to the French Revolution. Focus will be on social, religious, political, and philosophical changes, including the development of absolutism and constitutional forms of government. Prerequisite: HIST 1312, and HIST 2340, or instructor consent.

Distribution: Social Sciences .

### **HIST 4391 - Seminar (3)**

A study of a selected historical topic designed to acquaint advanced students with techniques of historical research and writing. Credit will be given upon completion of an acceptable research paper. The course may be repeated with a change of topic.

Distribution: Social Sciences .

**HIST 4395 - Internship (3)**

This course allows the student to obtain credit for interning in a position related to his/her major or minor field of study. It must be pre-approved by the faculty in the History and Political Science Department. Credit hours awarded will be related to the number of hours worked, with at least forty-five hours of internship required for each credit hour awarded. Internships may be either paid or unpaid for field experience. All internships also will contain an academic component supervised by a faculty member in the Department. The internship plan must be approved by all parties prior to registration for the class. This class will be assessed on a Pass/Fail basis. While the class may be repeated once, only 3 hours may count toward the History major or minor. Prerequisites: Junior standing and at least a 3.0 GPA.

Distribution: Social Sciences .

**HNRS - Honors****HNRS 2310 - Social Science Seminar (3)**

The topics in this course vary depending upon interest of students and interest and expertise of faculty. This course focuses on Social Sciences related topics and can be used as Social Science credit. Enrollment is by invitation only.

Distribution: Sciences.

**HNRS 2320 - Fine Arts/Humanities (3)**

The topics in this course vary depending upon interest of students and interest and expertise of faculty. This course focuses on Fine Arts/Humanities related topics and can be used as Fine Arts/Humanities credit. Enrollment is by invitation only.

Distribution: Sciences.

**HNRS 3110 - Honors Seminar (1)**

Free discussions of books chosen from different areas of study. Student responsibility for guiding discussion in most meetings. Emphasis on analysis, interpretation, and correlation.

Distribution: Sciences.

**HNRS 3120 - Honors Seminar (1)**

Free discussions of books chosen from different areas of study. Student responsibility for guiding discussion in most meetings. Emphasis on analysis, interpretation, and correlation.

Distribution: Sciences.

**HNRS 4010 - Honors Research I (0)**

This course is designed to provide guidance to upper-level honors students undertaking the senior honors project. Requirements include attendance at relevant honors

research sessions and submission of a successful senior honors project application. Upper-level honors students must enroll in this course during the second semester of their junior year.

Distribution: Sciences.

**HNRS 4020 - Honors Research II (0)**

This course is designed to provide guidance to upper-level honors students undertaking the senior honors project. Requirements include attendance at relevant honors research sessions and submission of a successful senior honors prospectus. Upper-level honors students must enroll in this course during the first semester of their senior year.

Distribution: Sciences.

**HUMA-Humanities****HUMA 1x91 - Selected Topics in the Humanities**

This class explores specialized topics in the Humanities. Variable credit available. May be repeated for credit when topics vary.

Distribution: Humanities.

**HUMA 2350 - Humanities: Origins (3)**

Intensive Socratic seminar that offers readings of great texts from the world of the ancient Greeks and Hebrews. Likely readings would include selections from the Old Testament, Aristotle, Plato, Homer, and Greek drama. For motivated students who are willing to undertake a demanding reading workload. Prerequisites: ENGL 1321, ENGL 1322; CSBS 1311 (or concurrent enrollment) This course will satisfy 3 hours of the ENGL literature requirement.

Distribution: Humanities.

**HUMA 2355 - Humanities: Foundings (3)**

Socratic seminar that offers readings of great texts from roughly a hundred years before Christ up through Sr. Augustine's time. The course will examine parallels and tensions between early Roman and Christian worldviews. Likely readings would include selections from the New Testament, Lucretius, Cicero, Ovid, and church fathers including St. Augustine. For motivated students who are willing to undertake a demanding reading workload. Prerequisites: ENGL 1321, ENGL 1322; CSBS 1312 (or concurrent enrollment) This course will satisfy 3 hours of the ENGL literature requirement.

Distribution: Humanities.

**HUMA 2x91 - Selected Topics in the Humanities**

This class explores specialized topics in the Humanities. Variable credit available. May be repeated for credit when topics vary.

Distribution: Humanities.

### **HUMA 3x91 - Selected Topics in Humanities**

This class explores specialized topics in the Humanities. Variable credit available. May be repeated for credit when topics vary.

Distribution: Humanities.

### **HUMA 4090 - Humanities Workshop (0)**

All Applied Humanities and Classical Humanities Minors will complete a comprehensive exam covering specified learning objectives of the major programs involved in each curricula with a particular focus on the global perspectives and world views gained. Students will also submit reflective essays responding to experiences in their coursework as well as a sample of representative work. Class assessment in on Pass/Fail basis. Prerequisite: to be taken in the students' last semester of course work.

Distribution: Humanities.

### **HUMA 4x91 - Selected Topics in Humanities**

This class explores specialized topics in the Humanities. Variable credit available. May be repeated for credit when topics vary.

Distribution: Humanities.

## **ITAL-Italian**

### **ITAL 1410 - Italian 1 (4)**

Beginning Italian consisting of fundamentals of grammar and composition with strong emphasis on oral comprehension and conversation.

Distribution: Humanities.

### **ITAL 1420 - Italian 2 (4)**

Beginning Italian consisting of fundamentals of grammar and composition with strong emphasis on oral comprehension and conversation. Lab fee. Prerequisite: ITAL 1410 or equivalent.

Distribution: Humanities.

### **ITAL 2310 - Italian 3 (3)**

Emphasis is on development of oral proficiency in the language. Selected cultural and contemporary topics and literary readings of moderate difficulty from modern Italian authors with discussion in Italian of the reading selections. Review of composition and certain grammatical principles. Prerequisite: ITAL 1420 or equivalent.

Distribution: Humanities.

### **ITAL 2320 - Italian 4 (3)**

Emphasis is on development of oral proficiency in the language. Selected cultural and contemporary topics and

literary readings of moderate difficulty from modern Italian authors with discussion in Italian of the reading selections. Review of composition and certain grammatical principles. Prerequisite: ITAL 2310.

Distribution: Humanities.

## **MATH - Mathematics**

### **MATH 1101 - The Metric System (1)**

A course on the metric system for students who need one hour of Mathematics to meet degree requirements. Test

Distribution: Sciences.

### **MATH 1103 - Special Problems (1)**

Subject matter and procedures vary according to the needs of students.

Distribution: Sciences.

### **MATH 1203 - Special Problems (2)**

Subject matter and procedures vary according to the needs of students.

Distribution: Sciences.

### **MATH 1300 - Mathematics Review (3)**

A course designed to review selected aspects of high school algebra which are a necessary prerequisite to college courses. This course does not meet any math requirement nor does it count toward any degree.

Distribution: Sciences.

### **MATH 1303 - Special Problems (3)**

Subject matter and procedures vary according to the needs of students.

Distribution: Sciences.

### **MATH 1304 - Quantitative Reasoning (3)**

A course designed to interpret mathematical models such as formulas, graphs, tables, and schematics, and draw inferences from them. It will represent mathematical information symbolically, visually, numerically, and verbally. It will use arithmetical, algebraic, geometric, and statistical methods to solve problems. Satisfies the core mathematics requirement for some degrees.

Distribution: Sciences.

### **MATH 1306 - College Algebra (3)**

A study of equations, inequalities, and the graphs and properties of linear, quadratic, polynomial, rational, exponential, and logarithmic functions. Satisfies Mathematics requirements for all degree plans, except for mathematics majors and minors. Prerequisite: Earn a math

SAT\* score of 530 or higher, a math ACT score of 22 or higher, or a grade of "C" or higher in MATH 1300.

\* SAT administered March 2016 and later

Distribution: Sciences.

### **MATH 1320 - Pre Calculus (3)**

A course designed to prepare students for the calculus sequence. Topics include relations and functions, including polynomial, rational, exponential, and logarithmic functions; a study of trigonometric functions, their applications and graphs, trigonometric identities, and solving trigonometric equations; additional topics may include an introduction to conic sections, polar coordinates, systems of equations, and matrices, or sequences and series. Prerequisite: Earn a math SAT\* score of 570 or higher, a math ACT score of 24 or a grade of "C" or higher in MATH 1306.

Distribution: Sciences.

### **MATH 1330 - Calculus I (3)**

A study of the derivatives and integrals with their principal interpretations. Techniques of differentiation of functions of one variable. Prerequisite: Adequate high school background; MATH 1320, or permission of the instructor.

Distribution: Sciences.

### **MATH 1403 - Special Problems (4)**

Subject matter and procedures vary according to the needs of students.

Distribution: Sciences.

### **MATH 2303 - Statistics (3)**

An introduction to statistics including a study of frequency distributions, measure of location and variation, probability distributions, sampling distributions, and statistical inference. Hypothesis testing, ANOVA, and simple linear regression are also considered. Prerequisite: A grade of at least a "C" or better in MATH 1306 or higher.

Distribution: Sciences.

### **MATH 2304 - Math for Elementary Teachers I (3)**

Patterns, number theory, properties of natural, integer rational, and real number systems, and concepts of algebraic reasoning with problem solving as specified for EC-6 mathematics.

Distribution: Sciences.

### **MATH 2305 - Math for Elementary Teachers II (3)**

Concepts and principles of geometry, measurement, mathematical structures, sets, and probability with problem solving as specified for EC-6 mathematics.

Distribution: Sciences.

### **MATH 2310 - Calculus for Computer Science (3)**

A study of the operations of single variable calculus with emphasis on applications. The course will also consider calculus with the major trigonometric structures. May count toward a minor in Mathematics. Will count toward education: 4-8 Mathematics major. Prerequisite: A grade of "C" or higher in MATH 1320 or permission of instructor.

Distribution: Sciences.

### **MATH 2313 - Systems of Mathematics 4-8 & 8-12 (3)**

A study of topics in problem solving, the real number system, basic algebra, functions, coordinate geometry, plane and solid geometry, probability and statistics. Prerequisites: A grade of "C" or higher in MATH 1304 and MATH 1306 or 1320.

Distribution: Sciences.

### **MATH 2320 - Linear Algebra (3)**

A study of systems of linear equations, matrices, determinants, vector inner product and cross product, vector spaces, linear transformations, eigenvectors, and eigenvalues. Prerequisite: A grade of "C" or higher in MATH 1330 or MATH 2310.

Distribution: Sciences.

### **MATH 2330 - Calculus II (3)**

A study of integration and applications. Theory of infinite series. Prerequisite: MATH 1330 with a grade of "C" or higher.

Distribution: Sciences.

### **MATH 3093 - Junior Seminar (0)**

Students majoring in Mathematics will receive career or graduate school counseling and establish a plan for research in Senior Seminar, MATH 4193.

Distribution: Sciences.

### **MATH 3314 - Geometry (3)**

Incidence and separation properties of planes and space developed from an intuitive standpoint. Congruences, similarities, and metric principles are also conceptualized. Prerequisite: 3 hours of college mathematics.

Distribution: Sciences.

### **MATH 3315 - History of Mathematics (3)**

A study of the history, development, and application of mathematical concepts with particular emphasis on algebraic and geometric principles. Prerequisite: MATH 1330 or permission of instructor.

Distribution: Sciences.

**MATH 3320 - Foundations of Higher Mathematics (3)**

A study of formal logic and set theory (including truth tables, propositional and predicate calculus, equivalence relations, and cardinality of sets) and of the nature and methods of abstract mathematical proof. Prerequisite: MATH 2320 or 2330.

Distribution: Sciences.

**MATH 3325 - Ordinary Differential Equations (3)**

Topics will include first order, linear higher order and nonlinear differential equations, systems of linear differential equations, consideration of boundary value problems, introduction to power series methods, elements of Laplace Transform. Some facts from linear algebra are presented. Computer Algebra Systems for problem solution are considered. Prerequisite: MATH 2330 Calculus II with a grade of "C" or higher.

Distribution: Sciences.

**MATH 3326 - Partial Differential Equations (3)**

This course is a study of partial differential equations (PDEs) and their applications. Topics include derivation of specific PDE models, boundary value problems, and the theory of Fourier series. Prerequisite: MATH 3325 with a grade of "C" or higher.

Distribution: Sciences.

**MATH 3330 - Calculus III (3)**

A study of multivariable calculus differentiation and integration. Differential equations. Prerequisite: MATH 2330 with a grade of "C" or higher.

Distribution: Sciences.

**MATH 3341 - Numerical Analysis (3)**

A study of the numerical solution of polynomials and general algebraic equations; numerical solution of simultaneous linear equations and matrix operations; least squares curve-fitting techniques; interpolation polynomials; and numerical solution of ordinary differential equations. Prerequisite: CISC 2305 and MATH 2330 recommended.

Distribution: Sciences.

**MATH 4090 - Senior Seminar (0)**

Students majoring in mathematics or having an emphasis on mathematics for their education-related degree must complete a pre-certification review and test prior to graduation.

Distribution: Sciences.

**MATH 4193 - Senior Seminar: (1)**

Requirements may include a literature search, oral presentation, and formal paper on a relevant topic in

mathematics. Additionally, students majoring in mathematics must complete the mathematics achievement examination prior to graduation. Prerequisite: MATH 3093 and MATH 4310, MATH 4320, and MATH 4385, or concurrent enrollment.

Distribution: Sciences.

**MATH 4293 - Senior Seminar (2)**

Students will conduct research on a relevant topic in Mathematics and will complete an oral presentation, and formal paper on their research. Additionally, students majoring in mathematics must complete the Major Field Test and departmental assessments. Prerequisite: MATH 3093 and MATH 4310, MATH 4320, and MATH 4385, or concurrent enrollment.

Distribution: Sciences .

**MATH 4310 - Analysis (3)**

An introduction to the analysis of real numbers, functions, sequences, series, limits, continuity, differentiation, integration, convergence, and the complex numbers. Prerequisite: MATH 2330 and 3320.

Distribution: Sciences.

**MATH 4320 - Abstract Algebra (3)**

Introduction of basic algebraic properties of groups, rings, and fields, culminating in Galois Theory, with some indication of its uses. Prerequisite: MATH 2320 and 3320.

Distribution: Sciences.

**MATH 4330 - Advanced Calculus (3)**

The differential and integral calculus of Euclidean 3-space, using vector notation, and leading up to the formulation and solution of the partial differential equations of mathematical physics. The Fundamental Theorem of Line Integrals, Green's Theorem in a plane, Stokes's Theorem, and Gauss's Divergence Theorem are also studied. Prerequisite: MATH 3330 with a grade of "C" or higher.

Distribution: Sciences.

**MATH 4385 - Mathematical Probability and Statistics (3)**

Probability theory and mathematical statistics presented at the post-calculus level. Topics include probability axioms, random variables, expectations, special discrete and continuous distributions, sampling theory, and data reduction. Prerequisite: MATH 3330 with a grade of "C" or higher.

Distribution: Sciences.

## MUSI - Music

### **MUSI 1021 - Performance Lab (0)**

Recital attendance credit for Music majors/minors/teacher certification candidates. May be repeated for credit. Lab fee.

Distribution: Visual and Performing Arts.

### **MUSI 1023 - Performance Lab (0)**

Recital attendance credit for Music majors/minors/teacher certification candidates. May be repeated for credit. Lab fee.

Distribution: Visual and Performing Arts.

### **MUSI 1031 - Performance Lab (0)**

Recital attendance credit for Music majors/minors/teacher certification candidates. May be repeated for credit. Lab fee.

Distribution: Visual and Performing Arts.

### **MUSI 1033 - Performance Lab (0)**

Recital attendance credit for Music majors/minors/teacher certification candidates. May be repeated for credit. Lab fee.

Distribution: Visual and Performing Arts.

### **MUSI 1089 - Blackshirt Cru Spirit Band (0)**

Instrumental ensemble performing at athletic events, parades, etc. Prerequisite: Audition or interview with instructor.

Distribution: Visual and Performing Arts.

### **MUSI 1113 - Class Guitar (1)**

FOR NON MAJORS ONLY. A hands-on study of how to play the guitar in a group setting. No experience required. Students must provide their own classical or acoustic guitar.

Distribution: Visual and Performing Arts.

### **MUSI 1114 - Beginning Class Piano (1)**

A beginning group piano instruction experience. Four semester of class piano may prepare students for the Applied Music Proficiency Examination in piano.

### **MUSI 1115 - Class Piano I (1)**

A beginning group piano instruction experience. Four semester of class piano may prepare students for the Applied Music Proficiency Examination in piano.

Distribution: Visual and Performing Arts.

### **MUSI 1116 - Class Piano II (1)**

A group piano instruction experience. A continuation of MUSI 1115 Class Piano I. Prerequisite: MUSI 1115 Class Piano I.

Distribution: Visual and Performing Arts.

### **MUSI 1117 - Class Voice (1)**

FOR NON-MAJORS ONLY. Fundamentals of voice for beginning singers. Group sessions. Music reading ability is not a prerequisite. Lab fee.

Distribution: Visual and Performing Arts.

### **MUSI 1120 - Introduction to Music Technology (1)**

A 'hands-on' orientation to three major areas of music technology; computer assisted music notation; MIDI programming; and, digital recording techniques. Lab fee.

Distribution: Visual and Performing Arts.

### **MUSI 1131 - Aural Skills I (1)**

Study of music theory through development of analytical, critical listening skills, vocal technical exercises, and sight-singing using solfege system. Should be taken concurrently with MUSI 1331. Prerequisite: Satisfactory score on Theory Placement Exam.

Distribution: Visual and Performing Arts.

### **MUSI 1132 - Aural Skills II (1)**

Continuation of MUSI 1131. Should be taken concurrently with MUSI 1332. Prerequisite: MUSI 1131.

Distribution: Visual and Performing Arts.

### **MUSI 1160 - Class Brass (1)**

Pedagogical and practical study in understanding and teaching brass instruments to students. Instruction in performing and teaching trumpet, French horn, trombone, baritone, and tuba.

Distribution: Visual and Performing Arts.

### **MUSI 1162 - Class Strings (1)**

Pedagogical and practical study in understanding and teaching strings instruments to students. Instruction in performing and teaching violin, viola, cello, and double bass.

Distribution: Visual and Performing Arts.

### **MUSI 1166 - Class Percussion (1)**

Pedagogical and practical study in understanding and teaching percussion instruments to students. Instruction in performing and teaching timpani, snare drum, and various auxiliary percussion instruments.



Distribution: Visual and Performing Arts.

### **MUSI 1168 - Class Woodwind (1)**

Pedagogical and practical study in understanding and teaching woodwind instruments to students. Instruction in performing and teaching clarinet, saxophone, flute, oboe, and bassoon.

Distribution: Visual and Performing Arts.

### **MUSI 1180 - Church Music Internship (1)**

Church Music ministry experience in a “field service” setting (paid or unpaid). Requirements include field-based observation by church and faculty supervisors. May be repeated for credit.

Distribution: Visual and Performing Arts.

### **MUSI 1199 - Studio Accompanying (1)**

Assignments in applied studio situations. Supervision by piano faculty. May be repeated for credit. Prerequisite: Audition.

Distribution: Visual and Performing Arts.

### **MUSI 1219 - Vocal Diction I (2)**

Fundamentals of pronunciation of the English, Italian, and Latin languages. Phonetic study of texts of songs and/or choral works in these languages.

Distribution: Visual and Performing Arts.

### **MUSI 1220 - Vocal Diction II (2)**

Fundamentals of pronunciation of the German and French languages. Phonetic study of texts of songs and/or arias in these languages. Prerequisite: MUSI 1219.

Distribution: Visual and Performing Arts.

### **MUSI 1331 - Theory I (3)**

Basic theoretical concepts and skills relating to the music of the common practice period. The course covers basic concepts of notation, melody, rhythm, harmony, and analysis, with an emphasis on harmonic structure and progression. Should be taken concurrently with MUSI 1131. Prerequisite: Satisfactory score on Theory Placement Exam.

Distribution: Visual and Performing Arts.

### **MUSI 1332 - Theory II (3)**

Continuation of MUSI 1331. Includes counterpoint, all diatonic triads and seventh chords, inversions, and non-chord tones and emphasizes four-voice part writing as a tool for learning melodic structure, principles of voice leading, and harmonic progression. Should be taken concurrently with MUSI 1132. Prerequisite: MUSI 1331.

Distribution: Visual and Performing Arts.

### **MUSI 1340 - Music Appreciation (3)**

FOR NON-MAJORS ONLY. A course designed to develop a deeper appreciation of music through the discovery of the design of melodic, rhythmic, harmonic, and contrapuntal aspects of music. A study of the musical forms represented in the various periods of the history of Western Civilization.

Distribution: Visual and Performing Arts.

### **MUSI 2000 - Sophomore Review (0)**

Comprehensive exam covering music theory, music history, and aural skills taken by all students after completing Theory III, Aural Skills III, and Music History I. Students must demonstrate mastery at the 70% level.

Distribution: Visual and Performing Arts.

### **MUSI 2002 - String Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

### **MUSI 2005 - Piano Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

### **MUSI 2115 - Class Piano III (1)**

A group piano instruction experience. A continuation of MUSI 1116 Class Piano II. Prerequisite: MUSI 1116 Class Piano II.

Distribution: Visual and Performing Arts.

### **MUSI 2116 - Class Piano IV (1)**

A group piano instruction experience. A continuation of MUSI 2115 Class Piano III. At the end of this course students will attempt the Applied Music Proficiency Examination in piano. Prerequisite: MUSI 2115 Class Piano III.

Distribution: Visual and Performing Arts.

### **MUSI 2131 - Aural Skills III (1)**

Continuation of MUSI 1132. Should be taken concurrently with MUSI 2331. Prerequisite: MUSI 1132 and 1332.

Distribution: Visual and Performing Arts.

### **MUSI 2132 - Aural Skills IV (1)**

Continuation of MUSI 2131. Should be taken concurrently with MUSI 2332. Prerequisite: MUSI 2131 and 2331.

Distribution: Visual and Performing Arts.

### **MUSI 2220 - Church Music and Worship Administration (2)**

A survey of best practices in the administration of comprehensive Church Music and Worship programs.

Distribution: Visual and Performing Arts.

**MUSI 2265 - Introduction to Conducting (2)**

Beginning skill development with the baton; conducting beat and metrical patterns; gestures of articulation and expression. Prerequisite: MUSI 2331 or permission of the instructor.

Distribution: Visual and Performing Arts.

**MUSI 2268 - Introduction to Music Education (2)**

A required course for all music education majors, vocal and instrumental emphasis, which provides an overview of the total public school music program. Observation and clinical experiences in public school classrooms and performing groups will be required.

Distribution: Visual and Performing Arts.

**MUSI 2280 - Introduction to Church Music (2)**

An orientation in the overall area of church music and the ministry through music. A survey of the multi-faceted use of religious music in various settings.

Distribution: Visual and Performing Arts.

**MUSI 2331 - Theory III (3)**

Continuation of MUSI 1332. Includes secondary dominant and leading tone chords, modulation to closely related keys, borrowed chords, Neapolitan chords, and augmented 6<sup>th</sup> chords. Should be taken concurrently with MUSI 2131. Prerequisite: MUSI 1332.

Distribution: Visual and Performing Arts.

**MUSI 2332 - Theory IV (3)**

Continuation of MUSI 2331. Includes study of chromatic tonal harmony, late Romantic harmony, chromatic modulation, enharmonic reinterpretation, modes, exotic and synthetic scales, 20th century harmonic vocabulary and techniques, set theory, 12-tonal theory, and aleatoric practices. Should be taken concurrently with MUSI 2132. Prerequisite: MUSI 2331.

Distribution: Visual and Performing Arts.

**MUSI 2352 - Music History I (3)**

A survey of the history, music literature, and compositional techniques and styles from Gregorian chant up through the death of Bach.

Distribution: Visual and Performing Arts.

**MUSI 2358 - World Music (3)**

A survey of the literature, compositional techniques, musical traditions and cultural contexts of the music not common to traditional western musical study.

Distribution: Visual and Performing Arts.

**MUSI 3110 - Piano Technology (1)**

The study of parts and mechanism by which the piano functions, minor repair of the piano, and hands-on experience tuning pianos. Prerequisite: MUSI 1332. Majors/minors only.

Distribution: Visual and Performing Arts.

**MUSI 3140 - Advanced Diction: French (1)**

An intensive study of the principles and practice of French diction as defined by current performance standards, including International Phonetic Alphabet (IPA) transcriptions and poetic readings. Prerequisite: MUSI 1220 or permission of the instructor.

Distribution: Visual and Performing Arts.

**MUSI 3180 - Church Music Internship (1)**

Church Music ministry experience in a "field service" setting (paid or unpaid). Requirements include field-based observation by church and faculty supervisors. May be repeated for credit.

Distribution: Visual and Performing Arts.

**MUSI 3199 - Studio Accompanying (1)**

Assignments in applied studio situations. Supervision by piano faculty. May be repeated for credit. Prerequisite: Audition.

Distribution: Visual and Performing Arts.

**MUSI 3240 - Advanced Diction: Italian & German (2)**

An intensive study of the principles and practice of German and Italian diction as defined by current performance standards, including International Phonetic Alphabet (IPA) transcriptions and poetic readings. Prerequisite: MUSI 1220 or permission of the instructor.

Distribution: Visual and Performing Arts.

**MUSI 3289 - Service Playing (2)**

A study of playing in worship and other services (i.e. weddings, etc.) and of the use of the organ and/or piano in worship service. Discussion of service literature, hymn playing, and selecting new instruments for the church. Prerequisite: MUSI 2005 or equivalent. Permission of instructor.

Distribution: Visual and Performing Arts.

**MUSI 3317 - Class Voice (3)**

FOR NON-MAJOR ONLY Fundamentals of voice for beginning singers. Group sessions. Music reading ability in not a prerequisite. Lab fee.

Distribution: Visual and Performing Arts.

**MUSI 3344 - History of Church Music and Worship (3)**

A survey of church music and worship from the Old Testament to the contemporary church. Prerequisite: MUSI 2280 or permission of the instructor.

Distribution: Visual and Performing Arts.

**MUSI 3352 - Music History I (3)**

A survey of the history, music literature, and compositional techniques and styles from Gregorian chant up through the 17th century. Prerequisite: Music minors only.

Distribution: Visual and Performing Arts.

**MUSI 3353 - Music History II (3)**

A survey of the history, music literature, and compositional techniques and styles from the late Baroque to the Present.

Distribution: Visual and Performing Arts.

**MUSI 3361 - Elementary Music (3)**

Participation in music experiences for the lower- and upper-grade child. Song singing, dramatization, listening, rhythm instruments, keyboard experience, and creative expression. Prerequisite MUSI 2268 and EDUC 3315.

Distribution: Visual and Performing Arts.

**MUSI 3362 - Secondary Music (3)**

A required course for the student majoring in music education that will provide the student with the knowledge, skills, and materials which will enable the structuring of musical learning experiences resulting in effective and successful teaching in the middle and high school music classroom. Observation and clinical experience in public school classrooms will be required. Prerequisite: MUSI 2268.

Distribution: Visual and Performing Arts.

**MUSI 3363 - Choral Literature (3)**

A comprehensive survey covering the vast choral output of major composers and style periods; literature suitable for school, church, and civic choruses. Prerequisite: MUSI 2265.

Distribution: Visual and Performing Arts.

**MUSI 3364 - Band and Orchestra Literature (3)**

A comprehensive survey of Band and Orchestra literature of representative composers and style periods, suitable for use with school performing organizations. Prerequisite: MUSI 2265.

Distribution: Visual and Performing Arts.

**MUSI 3365 - Advanced Choral Conducting (3)**

A practicum covering the theory and application of choral conducting, emphasizing performance and rehearsal techniques, programming strategies, score reading and analysis. Prerequisite: MUSI 2265.

Distribution: Visual and Performing Arts.

**MUSI 3367 - Advanced Instrumental Conducting (3)**

A practicum covering the theory and application of instrumental conducting, emphasizing performance and rehearsal techniques, programming strategies, score reading and analysis. Prerequisite: MUSI 2265.

Distribution: Visual and Performing Arts.

**MUSI 3375 - Piano Pedagogy I (3)**

An overview of current instructional methods and materials for beginning and elementary piano students. Establishment and operation of a piano studio, including business procedures, student recruitment, and professional ethics will be studied. Class and private piano instruction will be discussed. Observations will be required.

Distribution: Visual and Performing Arts.

**MUSI 3376 - Piano Pedagogy II (3)**

A study of instructional materials and literature for intermediate and advanced piano students. Interpretation, technique, and musicianship will be discussed. Observations and supervised teaching of beginning piano students will be required. Regular conference with faculty. Prerequisite: MUSI 3375.

Distribution: Visual and Performing Arts.

**MUSI 3377 - Vocal Pedagogy (3)**

A study of the human vocal mechanism and a survey of teaching methods for individual and group voice instruction. Observations required.

Distribution: Visual and Performing Arts.

**MUSI 3381 - The Songs of Worship (3)**

A historical survey of congregational music and Christian hymnody. Prerequisite: MUSI 2280 or permission or instructor.

Distribution: Visual and Performing Arts.

**MUSI 3384 - Intergenerational Music and Worship Ministry (3)**

A survey of learning styles and education practices as related to church music and worship. Prerequisite: MUSI 2280 or permission of instructor.

Distribution: Visual and Performing Arts.

**MUSI 4006 - TExES Review (0)**

Required of all baccalaureate and post-baccalaureate students seeking All-level music teacher certification in Music. Students must show mastery at 80% level or higher to receive completion credit. Must be taken before student teaching. Fee.

Distribution: Visual and Performing Arts.

**MUSI 4295 - Recording Arts Internship (2)**

This internship will serve as an introduction to the engineering and production practices and theories of the audio recording studio. The student will have hands-on experience with digital and analogue mixing consoles, multi-track recording, signal processing, and microphone placement. Attention will be given to the concepts and practice of psychoacoustics in relation to quality audio recordings, audio mastering critical listening and response, and studio session management.

Distribution: Visual and Performing Arts.

**MUSI 4191 - Seminar (1)**

A study of selected topics in Music. The topic will be announced prior to registration. Prerequisite: Permission of instructor.

Distribution: Visual and Performing Arts.

**MUSI 4223 - Orchestration Form and Analysis (2)**

A survey of the characteristics of standard orchestral instruments and of arranging for various combinations of instruments. Includes an analytical survey showing the evolution of forms and textures of representative works from various periods of music history. Prerequisite: MUSI2331: Music Theory III.

Distribution: Visual and Performing Arts.

**MUSI 4253 - Piano Literature I (2)**

A comprehensive historical survey of piano music. Program building and examination of published scores are included.

Distribution: Visual and Performing Arts.

**MUSI 4254 - Piano Literature II (2)**

A continuation of MUSI 4253.

Distribution: Visual and Performing Arts.

**MUSI 4291 - Seminar (2)**

A study of selected topics in Music. The topic will be announced prior to registration. Prerequisite: Permission of instructor.

Distribution: Visual and Performing Arts.

**MUSI 4310 - Philosophy of Church Music and Worship (3)**

A study of the concepts and ideas that shape church music and worship. Prerequisite: MUSI 2280 or permission of instructor

Distribution: Visual and Performing Arts.

**MUSI 4341 - Worship Design (3)**

Develops and refines student's abilities to construct biblical worship services. Prerequisite: MUSI 2280 or permission of instructor.

Distribution: Visual and Performing Arts.

**MUSI 4352 - Music Psychology (3)**

This course examines music as a phenomenon of human behavior and psyche. Topics include auditory and musical perception, music cognition, creativity and aesthetic experience, listening styles and strategies, music and emotion, the social psychology of musical activities. In addition, the course will examine techniques and methodology for conducting research in music and will touch on aspects related to performance and music and the brain. Prerequisite: Junior or senior standing or permission of instructor.

Distribution: Visual and Performing Arts.

**MUSI 4355 - Vocal Literature (3)**

A comprehensive historical survey of vocal music. Program building and examination of published scores are included.

Distribution: Visual and Performing Arts.

**MUSI 4370 - Survey of Music Business (3)**

An introduction to music business. Topics include decision making in an ever-changing global music industry, business issues and challenges including business ethics in the music industry. Some career guidance in the various music industry career tracks.

Distribution: Visual and Performing Arts.

**MUSI 4385 - Music Business Senior Project (3)**

The senior project demonstrates the skills and knowledge that a student has acquired over the course of their academic career as a Music Business major. Students will organize and promote an artist's performance or promote and market an artist's product.

Distribution: Visual and Performing Arts.

**MUSI 4391 - Seminar (3)**

A study of selected topics in Music. The topic will be announced prior to registration. Prerequisite: Permission of instructor.

Distribution: Visual and Performing Arts.

### **MUSI 4491 - Seminar (4)**

A study of selected topics in Music. The topic will be announced prior to registration. Prerequisite: Permission of instructor.

Distribution: Visual and Performing Arts.

## **Applied Music**

### **Applied Music (Individual Instruction)**

Applied music instruction is intended for music majors and minors. Non-majors wishing to enroll in applied music must audition for the Chair of the Department of Music. Music literacy is required of any student enrolled in applied music. Individual applied music instruction is available in the following areas: Piano, Voice, Woodwinds, Brass, and Percussion.

- All Music majors and minors must select an Applied Principal (best performing medium) and an Applied Secondary. Piano must be the Applied Secondary unless it is chosen as Principal.
- Bachelor of Music majors must pass the Secondary Piano Proficiency Exam (MUSI 2000). (Not required for Bachelor of Arts or music minor.) All music majors and minors must also pass a proficiency examination in their principal applied area (a second applied area if piano is their principal instrument.) Teacher certification candidates must pass the proficiency exam in piano and a second applied area before their semester of student teaching. Requirements for these tests are published by the Department of Music.
- Applied music tuition and fees are found in the Financial Information section of this catalog.

### **MUAP 1100 - Applied Music-Brass (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1103 - Applied Music-Guitar (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1104 - Applied Music-Organ (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1105 - Applied Music-Piano (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1106 - Applied Music-Percussion (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1107 - Applied Music-Vocal (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1108 - Applied Music-Woodwinds (1)**

Distribution: Visual and Performing Arts.

### **MUAP 1200 - Applied Music-Brass (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1203 - Applied Music-Guitar (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1204 - Applied Music-Organ (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1205 - Applied Music-Piano (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1206 - Applied Music-Percussion (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1207 - Applied Music-Vocal (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1208 - Applied Music-Woodwinds (2)**

Distribution: Visual and Performing Arts.

### **MUAP 1300 - Applied Music-Brass (3)**

Distribution: Visual and Performing Arts.

### **MUAP 1303 - Applied Music-Guitar (3)**

Distribution: Visual and Performing Arts.

### **MUAP 1304 - Applied Music-Organ (3)**

Distribution: Visual and Performing Arts.

### **MUAP 1305 - Applied Music-Piano (3)**

Distribution: Visual and Performing Arts.

### **MUAP 1306 - Applied Music-Percussion (3)**

Distribution: Visual and Performing Arts.

### **MUAP 1307 - Applied Music-Vocal (3)**

Distribution: Visual and Performing Arts.

### **MUAP 1308 - Applied Music-Woodwinds (3)**

Distribution: Visual and Performing Arts.

### **MUAP 2001 - Brass Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

### **MUAP 2002 - Strings Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

### **MUAP 2003 - Guitar Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

**MUAP 2004 - Organ Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

**MUAP 2005 - Piano Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

**MUAP 2006 - Percussion Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

**MUAP 2007 - Vocal Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

**MUAP 2008 - Woodwinds Proficiency Exam (0)**

Distribution: Visual and Performing Arts.

**MUAP 3000 - Level 1 Recital (0)**

Distribution: Visual and Performing Arts.

**MUAP 3100 - Applied Music-Brass (1)**

Distribution: Visual and Performing Arts.

**MUAP 3103 - Applied Music-Guitar (1)**

Distribution: Visual and Performing Arts.

**MUAP 3104 - Applied Music-Organ (1)**

Distribution: Visual and Performing Arts.

**MUAP 3105 - Applied Music-Piano (1)**

Distribution: Visual and Performing Arts.

**MUAP 3106 - Applied Music-Percussion (1)**

Distribution: Visual and Performing Arts.

**MUAP 3107 - Applied Music-Vocal (1)**

Distribution: Visual and Performing Arts.

**MUAP 3108 - Applied Music-Woodwinds (1)**

Distribution: Visual and Performing Arts.

**MUAP 3109 - Applied Commercial Music- Voice (1)**

Distribution: Visual and Performing Arts.

**MUAP 3200 - Applied Music-Brass (2)**

Distribution: Visual and Performing Arts.

**MUAP 3203 - Applied Music-Guitar (2)**

Distribution: Visual and Performing Arts.

**MUAP 3204 - Applied Music-Organ (2)**

Distribution: Visual and Performing Arts.

**MUAP 3205 - Applied Music-Piano (2)**

Distribution: Visual and Performing Arts.

**MUAP 3206 - Applied Music-Percussion (2)**

Distribution: Visual and Performing Arts.

**MUAP 3207 - Applied Music-Vocal (2)**

Distribution: Visual and Performing Arts.

**MUAP 3208 - Applied Music-Woodwinds (2)**

Distribution: Visual and Performing Arts.

**MUAP 3209 - Applied Commercial Music-Voice (2)**

Distribution: Visual and Performing Arts.

**MUAP 3300 - Applied Music-Brass (3)**

Distribution: Visual and Performing Arts.

**MUAP 3303 - Applied Music-Guitar (3)**

Distribution: Visual and Performing Arts.

**MUAP 3304 - Applied Music-Organ (3)**

Distribution: Visual and Performing Arts.

**MUAP 3305 - Applied Music-Piano (3)**

Distribution: Visual and Performing Arts.

**MUAP 3306 - Applied Music-Percussion (3)**

Distribution: Visual and Performing Arts.

**MUAP 3307 - Applied Music-Vocal (3)**

Distribution: Visual and Performing Arts.

**MUAP 3308 - Applied Music-Woodwinds (3)**

Distribution: Visual and Performing Arts.

**MUAP 4000 - Level 2 Recital (0)**

Distribution: Visual and Performing Arts.

**Music Ensembles**

Music ensembles are open to all UMHB students, regardless of major. Ensemble placement is determined by auditions. Music majors and minors are required to participate for credit in music ensembles. For more information, contact the Department of Music at 254-295-4686 or 254-295-4678.

**MUEN 1010 - Brass Ensemble (0)**

The UMHB Brass Ensemble preforms chamber music in multiple configurations ranging from trio, quartets, and quintets to a complete Brass Choir. Repertoire for the ensemble ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1015 - Woodwind Ensemble (0)**

The UMHB Woodwind Ensemble performs chamber music in multiple configurations ranging from trios, quartets, and quintets to a complete woodwind choir. Repertoire for the Woodwind Ensemble ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1025 - Percussion Ensemble (0)**

The UMHB Percussion Ensemble comprises some of the finest percussion players from campus. Using the best literature, the Percussion Ensemble strives to give each work an interpretation that best represents the composer's intent. Repertoire is selected to expose the performers to a wide range of music languages, as well as a variety of technical, intellectual, and aesthetic challenges, enhancing the development of the student-artist. Parts are rotated from piece to piece, giving many players solo opportunities and all performers a diversity of experiences. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1030 - Trombone Choir (0)**

The UMHB Trombone Choir performs chamber music in multiple configurations ranging from quartets to a complete Trombone Choir. Repertoire for the ensemble ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1035 - Saxophone Choir (0)**

The UMHB Saxophone Choir performs chamber music in multiple configurations ranging from duos, trios, quartets, and quintets to a complete saxophone choir. Repertoire for the Saxophone Choir ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and contact with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1040 - Guitar Ensemble (0)**

The study and performance of chamber music for classical guitar in an ensemble setting. Instruction is through weekly group coaching and will include at least one formal performance. Prerequisite: Audition and/or interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1089 - Blackshirt Cru Spirit Band (0)**

Instrumental ensemble performing at athletic events, parades, etc. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1097 - Opera Cru (0)**

A selected ensemble performing specialized opera, musical theater, and sacred vocal repertoire. May be repeated. Prerequisite: Audition. Corerequisite: MUSI 1197 (3197)

Distribution: Visual and Performing Arts.

**MUEN 1184 - University Singers (1)**

Mixed Voice choral ensemble performing standard sacred and secular repertoire. Prerequisite: Audition and interview with instructor. May be repeated for credit.

Distribution: Visual and Performing Arts.

**MUEN 1185 - Women's Chorus (1)**

Female choral ensemble performing the significant sacred & secular repertoire written for women; featuring contemporary and traditional literature. Prerequisite: Permission of instructor.

Distribution: Visual and Performing Arts.

**MUEN 1192 - One Voice (1)**

A select ensemble performing specialized choral literature. May be repeated for credit. Prerequisite: Audition and interview with instructor. Corequisite: MUEN 1194 (3194).

Distribution: Visual and Performing Arts.

**MUEN 1193 - Wind Ensemble (1)**

Large instrumental ensemble for wind players. Public performances each semester. May be repeated for credit. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 1194 - Concert Choir (1)**

The study and performance of mixed-voice choral literature from various historical periods. Audition and interview with instructor required. May be repeated for credit.

Distribution: Visual and Performing Arts.

**MUEN 1195 - Piano Ensemble (1)**

Study and practice of two-piano literature for four hands and eight hands. Open to students who have achieved intermediate grade level in piano. May be repeated for credit.

Distribution: Visual and Performing Arts.

### **MUEN 1198 - Instrumental Jazz Ensemble (1)**

Modern jazz ensemble that performs music of big band jazz, rock and latin styles. Contemporary and traditional literature will be studied. May be repeated for credit. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3010 - Brass Ensemble (0)**

The UMHB Brass Ensemble performs chamber music in multiple configurations ranging from trio, quartets, and quintets to a complete Brass Choir. Repertoire for the ensemble ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3015 - Woodwind Ensemble (0)**

The UMHB Woodwind Ensemble performs chamber music in multiple configurations ranging from trios, quartets, and quintets to a complete woodwind choir. Repertoire for the Woodwind Ensemble ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3025 - Percussion Ensemble (0)**

The UMHB Percussion Ensemble comprises some of the finest percussion players from campus. Using the best literature, the Percussion Ensemble strives to give each work an interpretation that best represents the composer's intent. Repertoire is selected to expose the performers to a wide range of music languages, as well as a variety of technical, intellectual, and aesthetic challenges, enhancing the development of the student-artist. Parts are rotated from piece to piece, giving many players solo opportunities and all performers a diversity of experiences. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3030 - Trombone Choir (0)**

The UMHB Trombone Choir performs chamber music in multiple configurations ranging from quartets to a complete Trombone Choir. Repertoire for the ensemble ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3035 - Saxophone Choir (0)**

The UMHB Saxophone Choir performs chamber music in multiple configurations ranging from duos, trios, quartets, and quintets to a complete saxophone choir. Repertoire for the Saxophone Choir ranges from original literature to transcriptions of classical and popular music. Membership is open to all UMHB students by audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3040 - Guitar Ensemble (0)**

The study and performance of chamber music for classical guitar in an ensemble setting. Instruction is through weekly group coaching and will include at least one formal performance. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3185 - Women's Chorus (1)**

Female choral ensemble performing the significant sacred & secular repertoire written for women; featuring contemporary and traditional literature. Prerequisite: Permission of instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3089 - Blackshirt Cru Spirit Band (0)**

Instrumental ensemble performing at athletic events, parades, etc. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

### **MUEN 3184 - University Singers (1)**

Mixed Voice choral ensemble performing standard sacred and secular repertoire. Prerequisite: Audition and interview with instructor. May be repeated for credit.

Distribution: Visual and Performing Arts.

### **MUEN 3192 - One Voice (1)**

A select ensemble performing specialized choral literature. May be repeated for credit. Prerequisite: Audition and interview with instructor. Corequisite: MUEN 1194 (3194).

Distribution: Visual and Performing Arts.

### **MUEN 3193 - Wind Ensemble (1)**

Large instrumental ensemble for wind players. Public performances each semester. May be repeated for credit. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.



**MUEN 3194 - Concert Choir (1)**

The study and performance of mixed-voice choral literature from various historical periods. Audition and interview with instructor required. May be repeated for credit.

Distribution: Visual and Performing Arts.

**MUEN 3195 - Piano Ensemble (1)**

Study and practice of two-piano literature for four hands and eight hands. Open to students who have achieved intermediate grade level in piano. May be repeated for credit.

Distribution: Visual and Performing Arts.

**MUEN 3197 - Opera/Musical Theatre (1)**

Stage training and development with opportunities for solo or chorus roles in Fall and/or Spring operetta, opera, galas, or other musical productions. May be repeated for credit. Vocal Performance majors must register for this ensemble for eight semesters. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

**MUEN 3198 - Instrumental Jazz Ensemble (1)**

Modern jazz ensemble that performs music of big band jazz, rock and latin styles. Contemporary and traditional literature will be studied. May be repeated for credit. Prerequisite: Audition and interview with instructor.

Distribution: Visual and Performing Arts.

**NURS - Nursing****NURS 2150 - Nursing Success (1)**

This academic success course introduces the student to expectations and strategies to be successful in a nursing program. Emphasis is on student behaviors, stress management, communication, time management, study strategies, and test-taking skills required to improve student outcomes. Prerequisites include courses required for admission to the School of Nursing. Co-requisites: NURS 2350 and NURS 2460.

Distribution: Nursing.

**NURS 2350 - Health Assessment Across the Lifespan (3)**

This course focuses on the skills needed to conduct a comprehensive health assessment across the lifespan, including the physical, psychological, spiritual, social, functional and environmental aspects of health. Effective communication, assessment, and documentation will be practiced in a simulated laboratory setting. Emphasis is placed on the health continuum and the client focus includes individuals, families, and

populations. Prerequisites include courses required for admission to the School of Nursing. Co-requisites: NURS 2350 and NURS 2460.

Distribution: Nursing.

**NURS 2460 - Essentials in Nursing (4)**

This course provides a foundation for the student in basic nursing interventions integral to providing effective nursing care. Emphasis is placed on application of theory to practice in both simulated laboratory and clinical settings. The clinical component of this course focuses on the wellness aspect of the health continuum and the patient focus includes individual, families, and populations. Prerequisites include courses required for admission to the School of Nursing. Co-requisites: NURS 2350 and NURS 2460.

Distribution: Nursing.

**NURS 3200 - Introduction to Professional Nursing (2)**

This concept-based course is an overview of the role of the nurse as a health professional. The focus is on nurse collaboration within interdisciplinary healthcare settings. The patient focus includes individuals, families, and population. Prerequisites: NURS 2150, 2350, and 2460. Concurrent enrollment in NURS 3210, 3320, and 3620.

Distribution: Nursing.

**NURS 3210 - Population Health Perspectives (2)**

This concept-based course provides an introduction to population focused care. The emphasis is on prevention of disease, injury and premature death. Nursing care for individuals, families, populations across the lifespan and in diverse settings is explored. Prerequisites: NURS 2150, 2350, and 2460. Concurrent enrollment in NURS 3200, 3320, and 3620.

Distribution: Nursing.

**NURS 3315 - Nursing Perspectives in Pharmacotherapy (3)**

This concept-based course highlights the major drug classifications and the nursing role in the management of medication administration. Information regarding core drug knowledge, patient variables and assessment in drug therapy will be discussed. The course content provides the foundation of basic pharmacology necessary for nursing practice. Prerequisites: NURS 2150, 2350, 2460, 3210, 3200, 3320, and 3620. Concurrent enrollment in NURS 3321, 3325, and 3621.

Distribution: Nursing.

**NURS 3320 - Pathophysiology I (3)**

Concepts from prerequisite science courses will be built upon in discussions of disease processes. This is the first of two courses that correspond to nursing care provided in the delivery of care to patients across the lifespan. Factors that contribute to altered physiological functioning of selected body systems and interrelationships among selected pathophysiological processes are explored. Prerequisites: NURS 2150, 2350, and 2460. Concurrent enrollment in NURS 3210, 3200, and 3620.

Distribution: Nursing.

**NURS 3321 - Pathophysiology II (3)**

Concepts from prerequisite science courses will be built upon in discussions of disease processes. This is the second of two courses that correspond to concepts of nursing care to patients across the lifespan. Factors that contribute to altered physiological functioning of selected body systems and interrelationships among selected pathophysiological processes are more complex and expanded. Prerequisites: NURS 2150, 2350, 2460, 3210, 3200, 3320, and 3620. Concurrent enrollment in NURS 3315, 3325, and 3621.

Distribution: Nursing.

**NURS 3325 - Evidence-Based Practice in Nursing (3)**

The purpose of this concept-based course are to investigate the research process and to critique nursing research studies. The focus is on identification of best practices and the impact of findings on nursing practice. Prerequisite: Quantitative Reasoning (Statistics) NURS 2150, 2350, 2460, 3210, 3200, 3320, and 3620. Concurrent enrollment in NURS 3315, 3321, and 3621.

Distribution: Nursing.

**NURS 3620 - Health Care Delivery (6)**

This concept-based clinical course concentrates on the application of the nursing process in the continuum of care of wellness to acute illness. Students will provide nursing care, patient education, and health promotion to patients across the lifespan in a variety of settings. The patient focus include individuals, families and populations. Prerequisites: NURS 2150, 2350, and 2460. Concurrent enrollment in NURS 3210, 3200, and 3320.

Distribution: Nursing.

**NURS 3621 - Health Care Delivery II (6)**

This concept-based clinical course concentrates on the application of the nursing process for patients with complex concept based health interruptions. Emphasis is on the impact of major diseases across the lifespan in select healthcare settings. Comprehensive nursing care for

patients with a wide range of disorders will be addressed as well as the need for patient teaching and continuity of care as the patient returns to the community. Prerequisites: NURS 2150, 2350, 2460, 3210, 3200, 3320, and 3620. Concurrent enrollment in NURS 3315, 3321, and 3325.

Distribution: Nursing.

**NURS 4000 - NCLEX Readiness and Comprehensive Exam (0)**

Students must demonstrate readiness for the National Council Licensure Examination – RN (NCLEX-RN) for successful completion of this course. Standardized comprehensive exit exams are taken in this course during the students' last semester. The ATI Comprehensive Predictor, HESI I, HESI II, HESI III, and HESI IV exit exams test the breadth and depth of a student's knowledge base within the scope of practice of the BSN graduate nurse. The course is graded on a "Credit/No Credit" option. A grade of "Credit" is required to graduate from the BSN program within the School of Nursing. The course will be offered each semester including May minimester and summer I and summer II.

Distribution: Nursing.

**NURS 4230 - Contemporary Issues (2)**

This seminar course will identify and explore current trends and issues related to health care in the United States. Prerequisites: NURS 2150, 2350, 2460, 3210,,3200,,3315, 3320, 3321, 3325, 3620, 3621, 4240, 4310, 4410, and 4620. Concurrent enrollment in NURS 4330, 4000, and 4700.

Distribution: Nursing.

**NURS 4240 - Advanced Pathophysiological and Pharmacotherapeutic Concepts in Nursing (2)**

This course builds upon the biophysical concepts exemplified through previous pathophysiology and pharmacotherapy courses. Students examine increasingly complex pathophysiological processes occurring across the lifespan and explore the interrelatedness of the pathophysiologic process to the body's function as a whole. Critical pharmacotherapies utilized to affect positive change in the identified pathophysiological processes are investigated from a nursing perspective. Prerequisites: NURS 2150, 2350, 2460, 3200, 3210, 3620, ,3320, 3325, 3621, and 3321. Co-requisites: Concurrent enrollment in NURS 4310, 4410, and 4620.

Distribution: Nursing.

**NURS 4310 - Global Perspectives in Health Care (3)**

This course will explore healthcare systems as well as current and emerging health issues on local, state, national, and international levels. Influencing factors such as economics, policy, and nursing roles will be addressed. Prerequisites: NURS 2150, 2350, 2460, 3200, 3210, 3620, 3320, 3325, 3621, and 3321. Co-requisites: NURS 4240, 4620, 4410.

Distribution: Nursing.

**NURS 4330 - Transition into Practice (3)**

This course will assist students in the integration of theory and practice as they approach the completion of the nursing major and transition into the role of professional nurse. Emphasis is placed on the synthesis of previous coursework and knowledge as students prepare for the role of an entry-level professional nurse. Prerequisites: NURS 2150, 2350, 2460, 3200, 3210, 3620, 3315, 3320, 3325, 3621, 3321, 4620, 4310, 4410, and 4240. Co-requisites: NURS 4230, 4700, and 4000.

Distribution: Nursing.

**NURS 4410 - Nursing Governance in Healthcare (4)**

This course examines theories and strategies from various disciplines for the management of patient care delivery. The context ranges from community based practice to large integrated healthcare delivery systems. Resource allocation for patient populations and systems will be evaluated within an interprofessional context from both financial and leadership perspectives. Prerequisites: NURS 2150, 2350, 2460, 3200, 3210, 3620, 3320, 3325, 3621, and 3321. Co-requisites: NURS 4240, 4310 and 4620.

Distribution: Nursing.

**NURS 4620 - Health Care Delivery III (6)**

Explores nursing health promotion strategies to facilitate individual, group, and community health and wellness across the lifespan. The development of disease states and methods to prevent or decrease risk factors will be discussed. The course will focus on developing skills in problem-solving, clinical judgment, critical thinking so that students may function as a beginning member of the healthcare team in the provision of interdisciplinary care for a variety of patient situations. Emphasis is on the role of the professional nurse in planning and implementing effective teaching and interventional behaviors. Prerequisites: NURS 2150, 2350, 2460, 3200, 3210, 3620,

3320, 3325, 3621, and 3321. Co-requisites: NURS 4240, 4310 and 4410.

Distribution: Nursing.

**NURS 4700 - Capstone (7)**

This course is a culminating experience in which students are expected to synthesize concepts and processes studied through a liberal arts foundation and the nursing curriculum. Through integration of knowledge, skills and experiential learning, students will demonstrate critical thinking, effective communication, clinical competence, scholarly work and professionalism appropriate for entry level BSN practice. Prerequisites: NURS 2150, 2350, 2460, 3200, 3210, 3620, 3315, 3320, 3325, 3621, 3321, 4620, 4310, 4410, and 4240. Co-requisites: NURS 4230, 4330, and 4000.

Distribution: Nursing.

**PHIL - Philosophy****PHIL 2315 - Introduction to Philosophy (3)**

This course is a survey of the various schools of philosophy and their outstanding representatives. Major emphasis is placed upon basic philosophical problems, proposed solutions, and techniques of thinking.

Distribution: Christian Studies.

**PHIL 3303 - World Views: Christian Thought Engages the Modern World (3)**

A study of Christian responses to intellectual challenges to the Christian faith presented by contemporary thought and competing worldviews. Topics include the theological and philosophical foundations for Christian thought, the existence of God and other central beliefs of Christianity, and the distinct challenge to Christian faith posed by pluralism and postmodernism. The course approaches the challenges in a spirit of engagement and dialogue. (Same as CSTH 3303) Prerequisites: CSBS 1311 and 1312.

Distribution: Christian Studies.

**PHIL 3311 - Advanced Philosophical Studies (3)**

This course is an intensive study of a particular philosopher, period of philosophy, area of philosophy, or philosophical system. Can be taken for multiple credit with change in subject matter. Prerequisite: PHIL 2315.

Distribution: Christian Studies.

**PHIL 3316 - Critical Reasoning (3)**

This course is an introduction to understanding, recognizing, and analyzing deductive and inductive arguments, informal logical fallacies, and conceptual and empirical theories.

Distribution: Christian Studies.

**PHIL 3325 - Philosophical Ethics (3)**

This course is a study of central issues in moral philosophy focusing on paradigms of ethical justification throughout the history of philosophy. These paradigms are explored through primary readings and works of fiction. Topics include the nature of morality, conceptions of justice, views of human nature and their bearing on questions of value, and competing tests of right and wrong. Prerequisite: PHIL 2315 or permission of the instructor.

Distribution: Christian Studies.

**PHIL 3335 - History of Philosophy (3)**

A historical survey of western philosophical thought from the ancient classical period to the present day.

Distribution: Christian Studies.

**PHIL 4315 - World Religions (3)**

This course surveys the non-Christian religions that are most widely practiced in the world today: primal religions, Hinduism, Buddhism, Judaism, and Islam. It will include readings on some of the minor religions, as well. Prerequisites: CSBS 1311 and CSBS 1312

Distribution: Christian Studies.

**PHIL 4325 - Philosophy of Religion (3)**

This course is an introduction to the traditional problems in the area of philosophy of religion including the nature of religion, the existence of God, faith and reason, the nature of religious language, evil and suffering, and the relation of philosophy to theology. Prerequisite: PHIL 2315.

Distribution: Christian Studies.

**PHYS - Physics****PHYS 2051 - Physics Laboratory I (0)**

The course will serve as the laboratory component for both PHYS 2411 and PHYS 2421. Laboratory fee.

Distribution: Sciences.

**PHYS 2052 - Physics Laboratory II (0)**

The course will serve as the laboratory component for both PHYS 2412 and PHYS 2422. Laboratory fee.

Distribution: Sciences.

**PHYS 2151 - Physics Laboratory I (1)**

This course is designed to develop student laboratory techniques for general and engineering physics studies. Specifically designed for transfer students who have been given credit for a General Physics I or Physics with Calculus I lecture course equivalent. Prerequisite: Credit for a General Physics I or Physics with Calculus I lecture course equivalent and approval of instructor. This course

will serve as the laboratory component for either PHYS 2411 or PHYS 2421. Laboratory fee.

Distribution: Sciences.

**PHYS 2152 - Physics Laboratory II (1)**

This course is designed to develop student laboratory techniques for general physics studies. Specifically designed for transfer students who have been given credit for a General Physics II or Physics with Calculus II lecture course equivalent. Prerequisite: Credit for a General Physics II or Physics with Calculus II lecture course equivalent and approval of instructor. This course will serve as the laboratory component for either PHYS 2412 or PHYS 2422. Laboratory fee.

Distribution: Sciences.

**PHYS 2411 - General Physics I (4)**

Principles of mechanics and heat. Corequisite: Math 1320. Lab fee.

Distribution: Sciences.

**PHYS 2412 - General Physics II (4)**

Principles of sounds, light, electricity, magnetism, and modern Physics. Prerequisite: PHYS 2411 with a grade of "C" or higher. Lab fee.

Distribution: Sciences.

**PHYS 2421 - Physics I with Calculus (4)**

Principles of mechanics and heat developed with a calculus perspective. Corequisite: MATH 1330. Lab fee.

Distribution: Sciences.

**PHYS 2422 - Physics II with Calculus (4)**

Principles of electricity and magnetism, sound, light, and modern physics. Developed with a calculus perspective. Prerequisite: PHYS 2421 with a grade of "C" or higher. Lab fee.

Distribution: Sciences.

**POLS - Political Science****POLS 2310 - State and Federal Government I (3)**

A study of the federal and Texas state constitutions and governments, including their historical development and evolution, with treatment of civil rights and liberties, elections, political parties, and interest groups. Meets the requirements for Texas teacher certification.

Distribution: Social Science.

**POLS 2311 - State and Federal Government II (3)**

A study of the federal and Texas state constitutions and governments with emphasis on governmental structures,

processes, and policy making. Meets the requirements for Texas teacher certification.

Distribution: Social Science.

### **POLS 2315 - Comparative Political Systems (3)**

An introduction for Political Science majors, minors and those considering the field, to the study of politics globally, with emphasis on state case studies highlighting types of political systems and governmental institutions.

Distribution: Social Science.

### **POLS 2320 - Topics and Methods of Political Science (3)**

An introduction for Political Science majors minors and those considering the field, to the means, specialized vocabulary and concepts used in the discipline of Political Science, through an examination of current issues and topics.

Distribution: Humanities.

### **POLS 3317 - International Organizations (3)**

A study of the history, development, mission and operations of selected international, regional and non-governmental organizations with special emphasis given to the United Nations and its interactions with states and non-state actors. Prerequisites: POLS 2310, 2311, 2315 and 2320 or instructor's consent.

Distribution: Social Science.

### **POLS 3325 - The American Executive (3)**

A study of the development of the power, the influence, and the limitations of the chief executive, including the President of the United States, state governors, and other executives in the American System. Prerequisites: POLS 2310, 2311 and POLS 2320 or instructor's consent.

Distribution: Social Science.

### **POLS 3326 - The Legislative Process (3)**

A study of legislative behavior in the US political system, including theories of representation, selection of legislators, organization and procedures of Congress, and the interaction of the legislative with the executive and judicial branches. Prerequisites: POLS 2310, 2311 and 2320 or instructor's consent.

Distribution: Social Science.

### **POLS 3329 - Political Parties (3)**

A study of the development, nature, and problems of political parties, including their organizations, operations, and functions. Prerequisites: POLS 2310, POLS 2311 and POLS 2320 or instructor's consent.

Distribution: Social Sciences.

### **POLS 3362 - Politics & History of Latin America (3)**

A study of select Central and South American states, including the European conquest and colonial institutions, struggles for independence, establishment of national states and current political, economic and social structures. (Same as HIST 3362) Prerequisites: POLS 2310, 2311, 2315 and 2320 or instructor's consent.

Distribution: Social Sciences.

### **POLS 4090 - Political Science Capstone (0)**

Political Science majors must complete the Political Science Capstone examination prior to graduation. Prerequisite: Senior Standing.

Distribution: Social Science.

### **POLS 4195 - Internship (1)**

This course allows POLS majors and minors to earn credit for serving in a position related to their field of study. A POLS faculty member, who also agrees to supervise the academic component of the internship, must grant the student permission to register for this class. Approval requires the student to present details about the internship work and planned academic components. Internships may be paid or unpaid. Credit hours awarded depend on hours employed, with at least forty-five hours of internship work required for each credit hour awarded. Class assessment is on a Pass/Fail basis. While the class may be repeated once, only 3 hours may count toward the Political Science major or minor. Prerequisites: At least junior standing, at least a 3.0 GPA and instructor's consent.

Distribution: Social Sciences.

### **POLS 4295 - Internship (2)**

This course allows POLS majors and minors to earn credit for serving in a position related to their field of study. A POLS faculty member, who also agrees to supervise the academic component of the internship, must grant the student permission to register for this class. Approval requires the student to present details about the internship work and planned academic components. Internships may be paid or unpaid. Credit hours awarded depend on hours employed, with at least forty-five hours of internship work required for each credit hour awarded. Class assessment is on a Pass/Fail basis. While the class may be repeated once, only 3 hours may count toward the Political Science major or minor. Prerequisites: At least junior standing, at least a 3.0 GPA and instructor's consent.

Distribution: Social Sciences.

### **POLS 4311 - Constitutional Government and Law in the US I (3)**

A study of the Constitution of the United States, including the work of the U.S. Supreme Court and the effects of its

various decisions. Court cases are examined, briefed, and discussed. Emphasis is placed on court decisions concerning federalism, separation of powers, and economics. (Same as HIST 4311) Prerequisites: POLS 2310, 2311 and POLS 2320 or instructor's consent.

Distribution: Social Sciences.

### **POLS 4312 - Constitutional Government and Law in the US II (3)**

A study of the Constitution of the United States, including the work of the U.S. Supreme Court and the effects of its various decisions. Court cases are examined, briefed, and discussed. Emphasis placed on U.S. Supreme Court decisions concerning civil rights and civil liberties. (Same as HIST 4312) Prerequisites: POLS 2310, 2311 and 2320 or instructor's consent.

Distribution: Social Sciences.

### **POLS 4313 - Political Theory I (3)**

A study of history and political theory with emphasis on Plato, Aristotle, Cicero, Augustine, Aquinas, and Machiavelli. (Same as HIST 4314) Prerequisite: POLS 2310, 2311, and 2320 or instructor's consent.

Distribution: Social Sciences.

### **POLS 4314 - Political Theory II (3)**

A study of modern and early modern western political theory with emphasis on Hobbes, Locke, Rousseau, the English Utilitarians, Marx, and Nietzsche. (Same as HIST 4314) Prerequisites: POLS 2310, 2311 and 2320 or instructor's consent.

Distribution: Social Sciences.

### **POLS 4316 - International Relations (3)**

A study of the interactions among sovereign states and the system within which they operate, with special emphasis on causes of war, security and peace, human rights and political economy. (Same as HIST 4391.02) Prerequisites: POLS 2310, 2311, 2315, 2320, and WRIT 3344 or instructor's consent.

Distribution: Social Sciences.

### **POLS 4318 - International Political Economics (3)**

A study of the development of the international system of trade, production and finance from the Industrial Revolution through present era, with special attention on the political factors and effects of this progression. Includes consideration of globalization and of paramount state and non-state actors in the international political economic system. (Same as BECO 4370) Prerequisites: POLS 2310, 2311, 2315, 2320, and WRIT 3344.

Distribution: Social Science.

### **POLS 4330 - Religion & Politics U.S. (3)**

A study of the interaction of religion, politics, and the state from colonial times to the present from historical, legal, and social scientific perspectives. (Same as HIST 4330) Prerequisites: POLS 2310, 2311, 2320 and WRIT 3344 or instructor's consent.

Distribution: Social Science.

### **POLS 4395 - Internship (3)**

This course allows POLS majors and minors to earn credit for serving in a position related to their field of study. A POLS faculty member, who also agrees to supervise the academic component of the internship, must grant the student permission to register for this class. Approval requires the student to present details about the internship work and planned academic components. Internships may be paid or unpaid. Credit hours awarded depend on hours employed, with at least forty-five hours of internship work required for each credit hour awarded. Class assessment is on a Pass/Fail basis. While the class may be repeated once, only 3 hours may count toward the Political Science major or minor. Prerequisites: At least junior standing, at least a 3.0 GPA and instructor's consent.

Distribution: Social Science.

## **PSYC - Psychology**

### **PSYC 1301 - General Psychology (3)**

An introduction to Psychology through the scientific study of human and animal behavior. Students receive an overview of the many and diverse fields of psychological study.

Distribution: Sciences.

### **PSYC 2101 - Professions in Psychology (1)**

An introduction to careers in psychology. Course will cover career opportunities, undergraduate and graduate career tracks, licensure options, and differences in professional rank at the Masters and Doctoral levels. Required for psychology majors.

Distribution: Sciences.

### **PSYC 2201 - Psychological Writing (2)**

The course provides students with American Psychological Association writing frameworks, citation, and referencing guidelines, and prepares the student to transition successfully into courses requiring APA style writing. No prerequisites; taught with PSYC 2101 or PSYC 2102.

Distribution: Sciences.

### **PSYC 2311 - Developmental Psychology (3)**

Development of the human being from birth through old age, studied in terms of basic psychological principles.

Major theories of child development will be considered.  
Prerequisite: PSYC 1301.

Distribution: Sciences.

### **PSYC 2314 - Research Methods for the Social Science (3)**

This course is an introduction to the scientific methods of inquiry as it relates to psychology. Students will gain an overview of the concepts and methods involved in psychological research, with a focus on development of research questions, selection of appropriate methods, and interpretation of results. Statistical backgrounds not needed. Prerequisite: PSYC 1301. Required for psychology majors. Must be taken prior to PSYC 2316.

Distribution: Sciences.

### **PSYC 2316 - Statistics for the Social Sciences (3)**

Emphasizes conducting and applying statistical analyses with real-world social science data. Students will utilize a statistical software package commonly used by social scientists to conduct and interpret descriptive and inferential statistics. Students completing the course will acquire the skills necessary to both conduct and interpret statistical analyses in social science settings. Pre-requisite: Math 1304 or higher, PSYC 1301, and PSYC 2314.

Distribution: Sciences.

### **PSYC 2331 - Intro to Neuroscience (3)**

As in-depth introduction to brain anatomy and physiology as it relates to human behavior. Students will develop an understanding of how our nervous system functions and interacts with our environment to create our complex human behaviors. Prerequisite: PSYC 1301.

Distribution: Sciences.

### **PSYC 2399 - Child and Adolescent Development (3)**

This course focuses on the development of human beings from birth to adolescence, with respect to the interrelated nature of the physical, emotional, cognitive, and social growth of individuals. Major theories of child development are explored including those of Piaget and Vygotsky. The course does not satisfy any requirements for students majoring in Psychology.

Distribution: Psychology .

### **PSYC 3312 - Experimental Psychology (3)**

A survey emphasizing the principles and methodology of research in human and animal behavior. Directed experience in the design and analysis of actual experiments and other research techniques. Prerequisites: PSYC 2314 and PSYC 2316 or MATH 2303, Sophomore standing or instructor approval. Lab fee.

Distribution: Sciences.

### **PSYC 3315 - Abnormal Psychology (3)**

An introduction to the symptomatology and etiology of behavioral, emotional, and mental disorders, with consideration of modern therapeutic approaches. Pre-requisite: PSYC 1301; sophomore standing.

Distribution: Sciences.

### **PSYC 3316 - Child & Adolescent Psychology (3)**

Psychological factors and issues related specifically to children and adolescents. This course covers developmental issues confronting children and adolescents as well as examines problems and concerns unique to persons in this age group. Pre-requisite: PSYC 1301; sophomore standing.

Distribution: Sciences.

### **PSYC 3317 - Child and Adolescent Psychopathology (3)**

Child and Adolescent Psychopathology studies psychological issues within the context of human development. Research shows that adult psychopathology often has its origins in developmental deviations in childhood adolescence. The developmental approach to understand psychopathology will be emphasized in this course. Pre-requisite: PSYC 1301; sophomore standing.

Distribution: Sciences.

### **PSYC 3318 - Adult Developmental Psychology (3)**

This course covers cognitive, behavioral, and emotional issues specifically related to development from 18 years to death. Topics include identity transitions, cohort effects, successful aging, genotyping advancements and implications, marriage, trauma, and grief/dying. Pre-requisite: PSYC 1301; sophomore standing.

Distribution: Sciences.

**PSYC 3319 - Social Psychology (3)**

A background in historical and contemporary social psychological theories. An analysis of social factors at work in the development of the individual through childhood, adolescence, and adulthood. Pre-requisite: PSYC 1301; sophomore standing.

Distribution: Sciences.

**PSYC 3320 - Health Psychology (3)**

Examination of the links between mind and body, focusing on the ways in which biopsychosocial factors influence health and well-being, illness, and adaptation to disease. Pre-requisite: PSYC 1301; sophomore standing.

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Distribution: Sciences.

**PSYC 3331 - Neurophysiological Psychology (3)**

An introduction to neuroanatomy and brain functioning. This course is an examination of brain-behavior relationships and provides a thorough understanding of cognitive disorders. Pre-requisite: PSYC 1301; sophomore standing.

Distribution: Sciences.

**PSYC 3333 - Sensation and Perception (3)**

An introduction to the complementary but different roles of sensory systems and perceptual processes as related to how humans sense, perceive, think about, and react to the world. The basics of biological processes, neural anatomy, physiology, and psychophysics will be covered. Pre-requisite: PSYC 1301; sophomore standing.

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Distribution: Sciences.

**PSYC 3350 - Cognition (3)**

Taking the cognitive point of view, this course treats man as an active processor of information. Methods to improve memory, learning, and problem solving are shown from both the informational and practical perspectives. Pre-requisite: PSYC 1301; sophomore standing.

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Distribution: Sciences.

**PSYC 4090 - Senior Evaluation (0)**

A one hour course designed to review major concepts in preparation for the Psychology Area Concentration Achievement Test (PACAT). Students will take PACAT at the end of the semester. A satisfactory score on the PACAT must be earned to receive credit for the course. Students failing to earn a satisfactory score will complete an alternate test in order to complete the course. Offered fall and spring. Psychology majors should take this course their final semester.

Distribution: Sciences.

**PSYC 4311 - Theories of Learning (3)**

A study of the major theoretical positions on learning. Includes analysis of associational, behavioral, and cognitive theories. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

**PSYC 4312 - Psychology of Personality Theory (3)**

Intensive study of some of the major theories of personality examined in the light of recent research. Extensive use of case material. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

**PSYC 4323 - History and Systems of Psychology (3)**

A survey of the major theories and theoretical systems and their historical development. Includes an integration of Christian beliefs, the student's own philosophical presuppositions, and current psychological theories. Pre-requisite: PSYC 2201 and PSYC 3312; Junior standing or instructor approval.



Distribution: Sciences.

### **PSYC 4330 - Multicultural Psychology (3)**

The course is a study of human culture to understand its relationship to psychological processes. Understanding human culture within a larger perspective may help us better understand differences among human cultures. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4331 - Psychology and Film (3)**

A survey course in which students watch several different Hollywood films involving a psychological concept or theme. For each film, students will examine a different psychological issue and will focus on how mainstream films can produce misconceptions about that area of psychology. Students will also discuss issues with classmates to better understand the relationship between psychology and mainstream culture. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4343 - Positive Psychology (3)**

The scientific study of what can "go right" with people. This course is focused on strength, happiness, character, purpose, and interest in building an optimal human experience. This course focuses on the promotion of the human potential. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4345 - Psychology of Religion (3)**

This course surveys the historical and current psychological study of religious faith, attitudes and behavior. Topics covered include prominent historical figures regarding the psychology of religion; research methodologies; religious development over the lifespan; religious conversion; new religious movements (cults); religious terrorism; relationship of religion to human attitudes and behavior; and, the link between religion, psychopathology and mental health. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4350 - Psychology of Leadership (3)**

A study of the theories of leadership and of leadership behavior. Assessment of leadership styles and skills will provide the basis for individual programs of development. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4351 - Industrial & Organizational Psych (3)**

The application of psychological theories, principles, methods, and research techniques to the science of I/O psychology in order to develop an understanding of the aims and goals of the field of problem solutions in industry and organizations. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4352 - Music Psychology (3)**

This course examines music as a phenomenon of human behavior and psyche. Topics include auditory and musical perception, music cognition, creativity and aesthetic experience, listening styles and strategies, music and emotion, the social psychology of musical activities. In addition, the course will examine techniques and methodology for conducting research in music and will touch on aspects related to performance and music and the brain. Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4355 - Psychological Perspectives on Human Nature (3)**

This course will closely examine topics related to human nature from the perspectives of contemporary psychological science. Students will be introduced to competing views of human nature and their implications for how psychological science understands the context of human learning, challenges in human relationships and group living, and the origins and consequences of human drives such as dominance, status, and aggression, to name a few. Coursework will emphasize reading, discussion, and interacting with the latest scientific and empirical literature related to contemporary psychological perspectives on human nature.

Prerequisite: PSYC 1301, junior standing, or instructor approval.

Distribution: Sciences.

### **PSYC 4390 - Independent Study (3)**

This course is designed to meet individual needs and interests in Psychology. It may be repeated for credit when the material studied is changed.

Distribution: Sciences.

## **READ - Reading**

### **READ 3307 - Literature for the Classroom (3)**

This course includes an in-depth study of children's and adolescent literature, as well as techniques for using literature to build knowledge and skills in EC-8

classrooms. Extensive reading and examination of books and genres are required. Other areas addressed include integrating technology, applying critical thinking skills, and viewing and representing through media literacy.

Distribution: Education.

### **READ 3320 - Emergent Literacy (3)**

This field-based course is designed to provide foundation knowledge and strategies for understanding and promoting literacy development in young children. Reading, writing, and oral language skills are taught as developmental processes according to the Science of Teaching Reading standards. Emphasis is upon beginning reading instruction and concentrates on developmentally appropriate teaching strategies and assessments designed to directly teach and assess phonological and phonemic awareness, the alphabetic principle, and decoding, as well as principles for creating a literacy-rich classroom environment.. This course will address the needs of students served in special education. Field experience is required. Prerequisite: EDUC 4328

Distribution: Education.

### **READ 3322 - Middle School Reading (3)**

A course designed to familiarize students with the 4-8 Reading/Language Arts Teacher Standards, as well as the TEKS appropriate to specific content areas. Focus is upon direct, explicit teaching of strategies to improve reading comprehension of a wide range of materials, increase reading vocabulary, and develop written communication skills to support reading in all curriculum areas. Other areas addressed include the teaching of study and inquiry skills, the promotion of oral language and listening skills, and the integration of instructional technology for the advancement of student achievement. Students are also introduced to the physical, social, emotional, and intellectual characteristics of the middle school learner and ways to enhance parent communication at this level. A minimum fifteen-hour field experience in a middle school setting is required.

Distribution: Education.

### **READ 3624 - Reading & Language Arts (6)**

This field-based course is designed to prepare the pre-service teacher to apply direct, explicit teaching of reading and language arts within a comprehensive language arts program. The course is organized around the five components of an effective reading program, including phonemic awareness, phonics, fluency, vocabulary, and comprehension. The pre-service teacher explores comprehension strategies as well as the use of literature as an instructional tool. Further focus is on the writing process with emphasis on writing conventions, oral language, grammar, usage, spelling and punctuation to support the literacy process. 45-60 hours of field-based experience are required. Prerequisite: READ 3320

Distribution: Education.

### **READ 4326 - Disciplinary Literacy (3)**

This course is designed to equip the pre-service teacher with tools to teach across the disciplines in grades four through twelve, along with the early literacy skills associated with the Science of Teaching Reading examination. Pre-service teachers obtain knowledge and apply strategies that include structure of expository texts, development of vocabulary, word identification, morphology, reading fluency, and comprehension of text. Attention is given to writing as a learning tool in various content areas. A connection between language arts and other content areas is emphasized. Prerequisite: successful completion of EDUC 3315.

Distribution: Education.

### **READ 4328 - Diagnostic and Corrective Reading (3)**

This course focuses on the formal and informal diagnostic assessment of reading skill and the use of that data to plan, implement, and monitor instruction that is focused on individual children's needs. Instruction targets standards related to the understanding of phonological and phonemic awareness, the alphabetic principle, literacy development and practice, word analysis and decoding, reading fluency, ready comprehension, study skills, and assessment. Intervention strategies include the use of games, manipulatives, and individualized plans designed to address reading deficits identified through assessment. Students also learn and apply parent-communication and conferencing skills.

Distribution: Education.

## **ROTC - Army, Military Science**

### **ROTC 1311 - Leadership and Personal Development (3)**

The course introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as time goal setting, management, physical fitness, and stress management relate to leadership, officership, and Army operations. Focus is placed on developing basic knowledge and comprehension of Army Leadership Dimensions while gaining a broad understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Prerequisite: Approval of the instructor is required.

Distribution: Sciences.

### **ROTC 1312 - Introduction to Tactical Leadership (3)**

This course presents an overview of leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback and using

effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Cadre role models and the building of stronger relationships among the cadets through common experience and practical interaction are critical aspects of this course. Prerequisite: Approval of the instructor is required.

Distribution: Sciences.

### **ROTC 2311 - Foundations of Leadership (3)**

This course explores the dimensions of creative and innovative tactical leadership strategies and styles by studying historical case studies and engaging in interactive student exercises. Cadets practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises. Focus is on continued development of the knowledge of leadership values and attributes through an understanding of rank, uniform, customs, and courtesies. Leadership case studies provide tangible context for learning the Soldier's Creed and Warrior Ethos as they apply in the Contemporary Operating Environment (COE). Prerequisite: Approval of the instructor.

Distribution: Sciences.

### **ROTC 2312 - Foundations of Tactical Leadership (3)**

This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). This course highlights dimensions of terrain analysis, patrolling, and operation orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Prerequisite: Approval of the instructor.

Distribution: Sciences.

### **ROTC 3311 - Adaptive Team Leadership (3)**

This is an academically challenging course where the cadet will study, practice, and apply the fundamentals of Army leadership, Officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. At the conclusion of this course, the cadet will be capable of planning, coordinating, navigating, motivating and leading a team or squad in the execution of a tactical mission during a classroom PE, a Leadership Lab, or during a Situational Training Exercise (STX) in a field environment. Prerequisite: Approval of the instructor is required.

Distribution: Sciences.

### **ROTC 3312 - Applied Team Leadership (3)**

This is an academically challenging course where the Cadet will study, practice, and apply the fundamentals of Army leadership, Officership, Army values and ethics, personal development, and small unit tactics at the team and squad level. At the conclusion of this course, the Cadet will be capable of planning, coordinating, navigating, motivating and leading a team or squad in the execution of a tactical mission during a classroom PE, a Leadership Lab, or during a Situational Training Exercise (STX) in a field environment. Successful completion of this course will help prepare the Cadet for success at the ROTC Leader Development and Assessment Course (LDAC). This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, and practical exercises, a mid-term exam, and a final exam. The Cadet will receive continued systematic and specific feedback on his or her leader attributes values and core leader competencies from the instructor and other ROTC cadre and MS IV Cadets. Prerequisite: Approval of the instructor is required.

Distribution: Sciences.

### **ROTC 3375 - US Military History (3)**

An examination of the military heritage of the United States from the colonial period to the early twenty-first century. Emphasis is placed on using common themes that relate to the American experience in war to determine how periods of peace and war challenge the nation and influence the development of its military policy. Prerequisite: Approval of the instructor.

Distribution: Social Science.

### **ROTC 4311 - Adaptive Leadership (3)**

This course is a practical application of adaptive leadership. Throughout the semester, students are assigned the duties and responsibilities of an Army staff officer and must apply the fundamentals of principles of training, the training management, the Army writing style and military decision making to weekly training meetings. During these weekly training meetings, the student will plan, execute and assess ROTC training and recruiting events. Students will study the special trust proposed to Army Officers by the US Constitution and the President of the United States—a special trust given to no other civilian professions. Students will study how Army values and leader ethics are applied in the Contemporary Operating Environment and how these values and ethics are relevant to everyday life. The student will study the Army officer's role in the Uniform Code of Military Justice, the counseling of subordinates, administrative actions and the management of an Army Officer's career. Students will be given numerous opportunities to train, mentor and evaluate underclass students enrolled in the ROTC Basic Course while being mentored and evaluated by experienced ROTC cadre. This course is designed to include multiple

opportunities for student-centered learning, to include, but not limited to student reading assignments, practical exercises and case studies; student-delivered briefings and operations orders; and a variety of student assessments such as quizzes, a mid-term and a final exam. In addition, students are rotated through a variety of leadership positions that support a variety of ROTC battalion training and recruiting events throughout the semester where the student will receive detailed and constructive feedback on their leader attributes and core leader competencies from experienced cadre. Prerequisite: Approval of the instructor.

Distribution: Sciences.

### **ROTC 4312 - Leadership in a Complex World (3)**

This course explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). You will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. You also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing cadets for their first unit of assignment. It uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare cadets to face the complex ethical and practical demands of leading as a commissioned officer in the United States Army. Prerequisite: Approval of the instructor.

Distribution: Sciences.

## **SGNL - American Sign Language**

### **SGNL 1410 - American Sign Language 1 (4)**

Beginning ASL course consists of the fundamentals of grammar and expression. Communication skills are emphasized by studying the syntax of the language and the lexicon (vocabulary). Introduces fingerspelling and describes its role. Develops conversational ability and culturally appropriate behaviors. No prerequisite for 1410. Lab fee.

Distribution: Humanities.

### **SGNL 1420 - American Sign Language 2 (4)**

Beginning ASL course consists of the fundamentals of grammar and expression. Communication skills are emphasized by studying the syntax of the language and the lexicon (vocabulary). Introduces fingerspelling and describes its role. Develops conversational ability and culturally appropriate behaviors. Prerequisite 1410. Lab fee.

Distribution: Humanities.

### **SGNL 2310 - American Sign Language 3 (3)**

Integrates and refines expressive and receptive skills. Provides students with information on idiomatic usages for signs and grammatical structures for complex sentences. Emphasizes variations in use of signs. Prerequisite: SGNL 1420 or permission of department.

Distribution: Humanities.

### **SGNL 2320 - American Sign Language 4 (3)**

Integrates and refines expressive and receptive skills. Provides students with information on idiomatic usages for signs and grammatical structures for complex sentences. Emphasizes variations in use of signs. Prerequisite: SGNL 2310 or permission of department.

Distribution: Humanities.

### **SGNL 3310 - Deaf Studies (3)**

Discussion of the various aspects of American deaf culture, including description of deafness, deaf people, the deaf community as defined by cultural means, and services for and by deaf people. Field trips to deaf professional and educational sites. This course is conducted in American Sign Language. Prerequisite SGNL 2320 or equivalent.

Distribution: Humanities.

## **SOCI - Sociology**

### **SOCI 1311 - Introduction to Sociology (3)**

A study of the scope, purpose, and method of Sociology, as well as forms and functions of present day organization of social order. A brief survey of the social institutions.

Distribution: Sciences.

### **SOCI 2305 - Statistics for the Social Sciences (3)**

Emphasizes conducting and applying statistical analyses with real-world social science data. Students will utilize a statistical software package commonly used by social scientists to conduct and interpret descriptive and inferential statistics. Students completing the course will acquire the skills necessary to both conduct and interpret statistical analyses in social science settings. Pre-requisite: Math 1304 or higher. Same as PSYC 2316 and SOCW 2305.

Distribution: Sciences.

### **SOCI 2310 - Research Methods for Sociology (3)**

This course provides students with the practical and theoretical tools to interpret, critique, and conduct social science research. Students will gain skills with both quantitative and qualitative methodologies. Prerequisites: SOCI 1311 and SOCI 2305.

Distribution: Sciences.

**SOCI 2316 - Social Problems (3)**

A study of the social problems of modern American life with emphasis upon their extent, effects, and suggested remedies. (Same as CRIJ 2316)

Distribution: Sciences.

**SOCI 3305 - Latinx in US Society (3)**

This course will develop students' understanding of the social experiences of Latinx. It will emphasize how prominent social structures, institutions, and concepts shape Latinx well-being and social standing, such as race/ethnic identification, diversity, racialization, education, family, health, immigration, religion, gender, and the arts. Prerequisites: SOCI 1311

Distribution: Sciences.

**SOCI 3310 - Sociology of Education (3)**

This course studies education both as an institution in society and as a source of social inequality. Students will examine the relationships between education and various types of social status, including socioeconomic status, gender, race, and ethnicity. This class focuses on multiple levels of sociological analysis, from classroom interactions to educational systems and social structures.

Distribution: Sciences.

**SOCI 3312 - Marriage and Family (3)**

A sociological analysis of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society.

Distribution: Sciences.

**SOCI 3317 - Race and Ethnicity (3)**

A study of the social development of contemporary minority groups with emphasis on the psychological and sociological processes involved in prejudice. Prerequisite: SOCI 1311. (Same as CRIJ 3317)

Distribution: Sciences.

**SOCI 3318 - Juvenile Delinquency (3)**

A survey of the delinquent as a person and delinquency as a social problem. Emphasis is on the extent, causation, prevention, treatment, and theories of delinquency. Prerequisite: SOCI 1311. (Same as CRIJ 3318)

Distribution: Sciences.

**SOCI 3319 - Social Psychology (3)**

A background in historical and contemporary social psychological theories. An analysis of social factors at work in the development of the individual through

childhood, adolescence, and adulthood. Prerequisite: Sophomore standing (Same as PSYC 3319)

Distribution: Sciences.

**SOCI 3325 - Human Diversity (3)**

This course provides the opportunity to understand how diversity characterizes and explores the dimensions through the intersections of multiple factors that shape human experiences including age, class, color, culture, disability, ethnicity, gender, gender identity, and religion. Topics will provide the opportunity to begin the process to eliminate the influence of personal biases and values in working with diverse groups; as well as recognize and communicate the importance of understanding how differences shape life experiences. Prerequisite: Sophomore standing or above (same as SOCW 3315)

Distribution: Sciences.

**SOCI 3330 - Sociology of Gender (3)**

A societal level study of gender ideas, interactions, and institutions. Prerequisite: SOCI 1311.

Distribution: Sciences.

**SOCI 3340 - Social Class and Poverty (3)**

This is a sociological examination of social class and poverty. It will focus on the causes and consequences of economic stratification at individual, institutional, and societal levels. Prerequisites: SOCI 1311

Distribution: Sciences.

**SOCI 3350 - Sociology of Health (3)**

This course will be a sociological examination of health, illness, and medical care as social phenomena.

Distribution: Sciences.

**SOCI 4090 - Senior Examination (0)**

Students majoring in Sociology must complete the sociology achievement examination prior to graduation.

Distribution: Sciences.

**SOCI 4313 - Gerontology (3)**

A course designed to gain an understanding of the normal aging process by using a bio-psycho-social framework to examine the historical, cultural, physiological, psychological, and social aspects of aging. Emphasis is given to the changes that are associated with aging and the resulting dynamic interactions between older persons and their environment. Prerequisite: SOCI 1311 (Same as SOCW 4313).

Distribution: Sciences.

**SOCI 4315 - Death and Dying (3)**

The course explores social, psychological and biological processes of death, dying, and bereavement. It includes processes that define the role of the dying and the status of being dead in our society and in other cultures of the world. Topics include cross-cultural practices related to death, funerals, burial rituals, suicide, terminal illness, and care systems that attend the dying. Other topics include the concept and treatment of pain, and medical, legal and ethical values related to death and terminal illness in contemporary society. The study of death and dying often includes a journey that is intellectual and scholarly on one hand, emotional and experiential on the other. The fusing of these elements offers a comprehensive understating of our individual and collective mortality. (Same as SOCI 4315)

Distribution: Sciences.

**SOCI 4317 - Criminology (3)**

An overview of crime in America, various theories concerning causes of crime, and the criminal justice system. (Same as CRIJ 4317)

Distribution: Sciences.

**SOCI 4318 - Social Theory (3)**

A study of the development of social thought with an emphasis on late nineteenth and twentieth century sociologists, their contributions, and developments in American Sociology. Prerequisite: SOCI 1311.

Distribution: Sciences.

**SOCI 4319 - Drugs, Society, & Criminal Justice (3)**

This course focuses on issues of drug use, misuse, and abuse. Special emphasis is given to the sociological aspects of drug-taking behavior, the relationship between drugs and crime, and the criminal justice system. Descriptions, classifications, and analyses are used to explore the extent of the drug problem. Prerequisite: SOCI 1311. (Same as SOCI 4319).

Distribution: Sciences.

**SOCI 4330 - Sociology of Religion (3)**

Religion is one of the most powerful forces of social cohesion, order, meaning, disruption, and change in human societies, both historically and today in the modern world. Sociology provides a particular disciplinary perspective and analytical tools and theories for describing, understanding, and explaining the nature and influence of religion. Prerequisites: SOCI 1311.

Distribution: Sciences.

**SOCW - Social Work****SOCW 2305 - Statistics for the Social Sciences (3)**

Emphasizes conducting and applying statistical analyses with real-world social science data. Students will utilize a statistical software package commonly used by social scientists to conduct and interpret descriptive and inferential statistics. Students completing the course will acquire the skills necessary to both conduct and interpret statistical analyses in social science settings. Pre-requisite: Math 1304 or higher. Same as PSYC 2316 and SOCI 2305.

Distribution: Sciences.

**SOCW 2311 - Introduction to Social Work (3)**

An introduction to the profession of Social Work and the institution of social welfare. Emphasis is on common human needs and problems, the development and functioning of social welfare as an institution of society, and the values, practice methods, and occupational settings of the Social Work profession.

Distribution: Sciences.

**SOCW 2312 - Human Behavior & Social Environment I (3)**

This course and its sequel, SOCW 2314, examine those interacting systems which influence human behavior: individuals, families, groups, organizations, and communities. This course also examines systems theory, diversity, and their implications for Social Work practice. Prerequisites: SOCW 2311 or consent of the instructor.

Distribution: Sciences.

**SOCW 2313 - Family and Child Welfare (3)**

An overview of problems encountered by children and their families with an emphasis on community services designed to alleviate those problems.

Distribution: Sciences.

**SOCW 2314 - Human Behavior & Social Environment II (3)**

This course examines those interacting systems which influence human behavior: individuals, families, groups, organizations, and communities. This course also examines systems theory, the ecological approach, and diversity as they relate to the family's development across the life span. Individuals are studied within familial and social environments at each stage of family life. Prerequisites: SOCW 2311 or consent of the instructor.

Distribution: Sciences.

**SOCW 3311 - Social Work Practice I (3)**

This course initiates the practical preparation of students for beginning level professional practice. Generalist practice will be introduced, using an emphasis on the

holistic view of human services and the ecological/systems theory of practice. Problem solving emphasis will be placed on individuals and families. Not available to non-majors. Prerequisites: Social Work major; ENGL 1321 and 1322; credit or concurrent enrollment in PSYC 3315 and SOCW 2312.

Distribution: Sciences.

### **SOCW 3313 - Policies & Issues in Social Work (3)**

An examination of the policy making process. Current social issues, programs, and public policy issues will be explored. Intervention techniques aimed at influencing and changing social welfare and public policy will also be examined. Prerequisites: SOCW 2311.

Distribution: Sciences.

### **SOCW 3314 - Social Work Practice II (3)**

This course continues the practical preparation of the student for beginning level professional practice as begun in SOCW 3311. Generalist practice will continue to be presented using an emphasis on the holistic view of human services and the ecological/systems theory of practice. Problem-solving emphasis will be placed on groups, communities, and organizations. Not available to non-majors. Prerequisites: Social Work major; SOCW 3311.

Distribution: Sciences.

### **SOCW 3315 - Human Diversity (3)**

This course provides the opportunity to understand how diversity characterizes and explores the dimensions through the intersections of multiple factors that shape human experiences including age, class, color, culture, disability, ethnicity, gender, gender identity, and religion. Topics will provide the opportunity to begin the process to eliminate the influence of personal biases and values in working with diverse groups; as well as recognize and communicate the importance of understanding how differences shape life experiences. Prerequisite: Sophomore standing or above (same as SOCI 3325)

Distribution: Sciences.

### **SOCW 3325 - Case Management (3)**

This course serves as an introduction to the concept and principles of case management and the core functions of case management practice in a range of settings. The case management process is traced from intake to termination, with in-depth attention given to the following areas: assessment, planning, implementation, monitoring, recording, and evaluating. Emphasis is given to the responsibilities and skills of an effective case-manager. The context in which the case management occurs is reviewed and organizational, legal, and ethical issues confronting the case manager are addressed.

Distribution: Sciences.

### **SOCW 4090 - Senior Examination (0)**

Students majoring in Social Work must complete the program's achievement examination prior to graduation.

Distribution: Sciences.

### **SOCW 4311 - Senior Seminar in Social Work (WE) (3)**

This course continues the study of the generalist method of Social Work practice. Emphasis will be on the integration of the various components of the baccalaureate Social Work education sequence including social work foundations, liberal arts, values, special populations, human behavior, policy research, practice, and field experience. Prerequisites: SOCW 3313, 3314, 3315, 4312, and 4511. Corequisite: SOCW 4512.

Distribution: Sciences.

### **SOCW 4312 - Social Work Research I (3)**

An emphasis on scientific methods for building a knowledge base for Social Work practice and for use in evaluation of practice. Included will be research methodologies and designs for the systematic evaluation of Social Work practice and program evaluation. Prerequisite: Junior standing.

Distribution: Sciences.

### **SOCW 4313 - Gerontology (3)**

A course designed to gain an understanding of the normal aging process by using a bio-psycho-social framework to examine the historical, cultural, physiological, psychological, and social aspects of aging. Emphasis is given to the changes that are associated with aging and the resulting dynamic interactions between older persons and their environment. Prerequisite: SOCI 1311. (Same as SOCI 4313).

Distribution: Sciences.

### **SOCW 4315 - Death and Dying (3)**

The course explores social, psychological and biological processes of death, dying, and bereavement. It includes processes that define the role of the dying and the status of being dead in our society and in other cultures of the world. Topics include cross-cultural practices related to death, funerals, burial rituals, suicide, terminal illness, and care systems that attend the dying. Other topics include the concept and treatment of pain, and medical, legal and ethical values related to death and terminal illness in contemporary society. The study of death and dying often includes a journey that is intellectual and scholarly on one hand, emotional and experiential on the other. The fusing of these elements offers a comprehensive understating of our individual and collective mortality. (Same as SOCI 4315)

Distribution: Sciences.

**SOCW 4316 - Social Work Practice III (3)**

This course is the third component in the practical preparation of the student for beginning level professional practice. Generalist practice will continue to be presented using an emphasis on the holistic view of human services and the ecological/systems theory of practice. Problem-solving emphasis will be placed on communities and organizations. Not available to non-majors. Prerequisite: Social Work major; SOCW 3311 and SOCW 3314.

Distribution: Sciences.

**SOCW 4322 - Social Work Research II (3)**

Building on the content of SOCW 4312 Social Work Research I, this course is designed to enable students to apply the principles of creating, testing, and applying the scientific method to social work practice to include the development of theoretical perspectives, formulation of testable research hypotheses, execution of a research design, measurement, data collection, analysis of results, computerization, drawing conclusions, applications for use in social work practice, and the communication of the findings to a broader audience. Prerequisite: SOCW 4312.

Distribution: Sciences.

**SOCW 4511 - Social Work Practicum I (5)**

Supervised Social Work experience in a local social service agency. Requires a minimum of 225 clock hours in the agency plus a weekly on-campus seminar. The practicum should help the student integrate academic knowledge and practice skills to meet the needs of clients. Successful completion of the practicum requires a grade of "C" or above. Not available to non-majors. Prerequisites: SOCW 3311, 3313, 3314, and 3315. Corequisite: SOCW 4316.

Distribution: Sciences.

**SOCW 4512 - Social Work Practicum II (5)**

A continuation of supervised Social Work practice in a local social service agency within increasing responsibility and case involvement. Requires a minimum of 225 clock hours in the agency plus a weekly on-campus seminar. The practicum should help the student to continue to integrate academic knowledge and practice skills to meet the needs of clients and to deepen understanding of group, community, and organization functioning. Successful completion of the practicum requires a grade of "C" or above. Not available to non-majors. Prerequisite: SOCW 4511. Corequisite: SOCW 4311.

Distribution: Sciences.

**SPAN - Spanish****SPAN 1410 - Spanish 1 (4)**

Beginning Spanish consisting of fundamentals of grammar and composition with strong emphasis on oral comprehension and conversation. A placement examination is required. Lab fee.

Distribution: Humanities.

**SPAN 1415 - Spanish 1 with Missions Emphasis (4)**

This course is for students engaged in Christian Missions with an interest in learning basic language skills and understanding the culture of the Spanish-speaking world. Emphasis is on vocabulary of Biblical terms in Spanish, learning basic greetings and phrases used during evangelistic outreach or missions, basic conversational skills, and general understanding of the cultural aspects of the Spanish-speaking countries. This course serves as an alternative to SPAN 1410.

Distribution: Humanities.

**SPAN 1420 - Spanish 2 (4)**

Beginning Spanish consisting of fundamentals of grammar and composition with strong emphasis on oral comprehension and conversation. Prerequisite: SPAN 1410, SPAN 1415 or placement exam. Lab fee.

Distribution: Humanities.

**SPAN 1425 - Spanish 2 with Missions Emphasis (4)**

This course is for students engaged in Christian Missions with an interest in learning basic language skills and understanding the culture of the Spanish-speaking world. Emphasis is on vocabulary of Biblical terms in Spanish, learning basic greetings and phrases used during evangelistic outreach or missions, basic conversational skills, and general understanding of the cultural aspects of the Spanish-speaking countries. This course serves as an alternative to Span 1420. Prerequisite: SPAN 1410, SPAN 1415, placement exam or equivalent.

Distribution: Humanities.

**SPAN 2310 - Spanish 3 (3)**

Emphasis on development of oral proficiency in the language. Biblical, cultural, and literary readings of moderate difficulty from representative Spanish authors with discussion in Spanish of the reading selections. Review of composition and certain grammatical principles. Prerequisite: SPAN 1420, SPAN 1425, placement examination, or equivalent.

Distribution: Humanities.

**SPAN 2320 - Spanish 4 (3)**

Emphasis on development of oral proficiency in the language. Biblical, cultural, and literary readings of



moderate difficulty from representative Spanish authors with discussion in Spanish of the reading selections. Review of composition and certain grammatical principles. Prerequisite: SPAN 2310.

Distribution: Humanities.

### **SPAN 3325 - Spanish for the Health Professions (3)**

This course is designed as an upper-level elective course for Spanish students with an interest in health professions. Emphasis is on health/medical vocabulary, basic grammar, and substantial development of oral proficiency and professional/patient communication. Prerequisite: SPAN 2320.

Distribution: Humanities.

### **SPAN 3328 - Spanish for Health Professions (3)**

This course is designed for students in the health professions as an upper-level elective course. This course cannot count toward a Spanish major or minor. Emphasis is on health/medical vocabulary, basic grammar, and substantial development of oral proficiency and professional/patient communication. Prerequisites: SPAN2320 or placement test; Either BIOL 2240 and BIOL 2441 or PSYC 2311 and 3316.

Distribution: Humanities.

### **SPAN 3330 - Advanced Oral Communication (3)**

Intensive development of oral proficiency through drills, oral reports, and discussion of short literary texts. Prerequisite: SPAN 2320.

Distribution: Humanities.

### **SPAN 3340 - Advanced Composition and Stylistics (3)**

Intensive development of writing skills and awareness of style and correctness through guided compositions. Prerequisite: SPAN 2320

Distribution: Humanities.

### **SPAN 3342 - Spanish for Careers (3)**

The course focuses on Spanish language skills for the professions, career exploration, and job preparedness. Students will learn about 1) careers in which Spanish is valuable 2) language appropriate to those careers, and they will 3) prepare to enter the job market with Spanish communication skills. Careers where Spanish proficiency is valuable include professions in business, Christian studies, health care, education, counseling, law, criminal justice, administration, social work, communication, politics, diplomacy, translating interpreting, and more. Prerequisites: SPAN 3330 and SPAN 3370 or departmental approval.

Distribution: Humanities.

### **SPAN 3345 - Literary Analysis (3)**

This course introduces the different genres of literature written in Spanish giving emphasis to the tools needed to analyze the literary discourse. Students will study texts from Spain and Spanish America. Prerequisites: SPAN 3330 and 3340 or 3370.

Distribution: Humanities.

### **SPAN 3350 - Introduction to Spanish Literature (3)**

A survey of Spanish literature from its origins to the present day. Emphasis on authors, movements, and close reading of literary texts. Conducted in Spanish. Oral and written reports in Spanish are required. Prerequisite: SPAN 3330, and 3340 or 3370.

Distribution: Humanities.

### **SPAN 3360 - Introduction to Spanish American Literature (3)**

A survey of Spanish American literature from its origins to the present day, Emphasis on authors, movements, and close reading of literary texts. Conducted in Spanish. Oral and written reports in Spanish are required. Prerequisite: SPAN 3330 and 3340 or 3370.

Distribution: Humanities.

### **SPAN 3370 - Advanced Grammar (3)**

In-depth study of prescriptive grammar and semantics in Spanish. Emphasis on rules of sentence formation, verb conjugations, and translation techniques through cultural content. Analysis of fine shades of meaning in Spanish words. Prerequisite: SPAN 2320.

Distribution: Humanities.

### **SPAN 3372 - Spanish for Heritage Speakers (3)**

This course is designed for students whose home language is Spanish but whose dominant and school language is English. A study of the differences and similarities between English and Spanish, proper use of verb tenses, learning of professional vocabulary in the targeted language and idiomatic expressions. Strong emphasis on the culture of Latin American countries and the U.S. Spanish-speaking communities. Emphasis on understanding main structures of the Spanish grammar and development of oral language skills, aiming at achieving sophistication of the written and spoken language in the heritage speaker. Can substitute for SPAN 3370. Prerequisite: SPAN 2320 or the equivalent.

Distribution: Humanities.

### **SPAN 3380 - Applied Linguistics for Spanish (3)**

A study of the various theories on language acquisition. An analysis of how non-natives can best develop reading, writing, speaking, and comprehension skills in Spanish.

Prerequisite: SPAN 3330 or 3340 or permission of instructor.

Distribution: Humanities.

### **SPAN 3390 - Studies in Hispanic Civilization (3)**

A survey of the origins and development of Spanish and Spanish-American culture. May be repeated for credit when topics vary. Prerequisite: Permission of instructor/department chair.

Distribution: Humanities.

### **SPAN 3392 - Studies in Spanish Peninsular Culture and Civilization (3)**

This course is a survey of the origins and development of Spanish peninsular culture and civilization. The course provides opportunities for oral language development. Prerequisites: SPAN 3330 and 3340.

Distribution: Humanities.

### **SPAN 3393 - Studies in Spanish American Culture and Civilization (3)**

This course is a survey of the origins and development of Spanish American culture and civilization. The course provides opportunities for oral language development. Prerequisites: SPAN 3330 and 3340.

Distribution: Humanities.

### **SPAN 4361 - Masterpieces of Hispanic Literature (3)**

A study of major Hispanic writers. Topics may vary, e.g., Don Quijote, the modern Latin American novel, Golden Age Spanish Drama, Hispanic poetry, etc. May be repeated for credit when topics are different. Prerequisite: SPAN 3350 or 3360.

Distribution: Humanities.

### **SPAN 4375 - Spanish Capstone (3)**

This course provides senior Spanish major students broad based opportunities to polish Spanish language written and oral expression and develop understanding of the culture of Spain and Spanish America. Student learning exit assessments, principles of instruction, and topics of interest to Spanish speaking professionals are also emphasized. Prerequisite: Senior standing and departmental permission.

Distribution: Humanities.

## **SWBS- Southwest Borderland Studies**

### **SWBS 2310 - Introduction to Borderlands Studies (3)**

This course provides a basic understanding of theoretical foundations of Borderlands Studies, with a focus on the Southwestern United States. In particular, this course theorizes the border as not simply as a physical barrier

meant to regulate migration, but the economic, cultural, spatial, and metaphorical borderlands that informs us on larger processes of membership, belonging, identity, politics, and dehumanization linked to social structures and institutions. The role of Christian faith, churches and faith-based social movements within the study of the Mexican-US border will also be explored.

Distribution: Humanities.

### **SWBS 3315 - Mexican Culture, History, and Society (3)**

This course explores the main historical events that shaped Mexico's culture, such as traditions, food, music, film, and how they formed the rich and diverse society in Mexico today. It surveys the pre-Columbian cultures, the Conquest, the Colonial period, the Independence Movement, the Porfiriato, the Mexican Revolution, and the post revolutionary era. This course also studies contemporary Mexico and its relationship with the United States, with an emphasis on the importance of Mexico to the Southwest Borderlands.

Distribution: Humanities.

### **SWBS 3350 - Hispanic Borderlands Literature (3)**

This course studies the literature of the Southwestern Borderlands through the historical and social context related to the experience of the communities that developed in the U.S.-Mexico borderlands region. It includes reading from early Mexican-American literature as well as contemporary authors through prose fiction, dram, poetry, and film. The course also analyzes topics that lead to the understanding of the social circumstances in which the authors write, such as immigration, the Chicano Movement, bilingualism, and contemporary borderlands issues. Prerequisites: SWBS 2310 and SWBS 3315.

Distribution: Humanities.

### **SWBS 4325 - Contemporary Borderlands Issues (3)**

Using the theoretical foundations of Borderlands Studies, the course will address critical contemporary issues in the Southwestern Borderlands. This includes immigration/migration, political particularization and representation, social movements, and the conditions and social patterns related to religion, education, and health on the U.S.- Mexican border. Insights gained through the study of Contemporary Borderlands Issues take on a critical significance with the Southwestern border is gaining national attention for its rapid growth, intercultural exchange, and site of political debates. Prerequisites: SWBS 2310, SOCI 3305

Distribution: Humanities.

## THEA - Theatre

### THEA 1130 - Drama Activity (1)

Participation in the production of plays, in acting, or on various crews (scene-building, painting, properties, lighting, make-up, or publicity). Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 1230 - Drama Activity (2)

Participation in the production of plays, in acting, or on various crews (scene-building, painting, properties, lighting, make-up, or publicity). Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 1330 - Drama Activity (3)

Participation in the production of plays, in acting, or on various crews (scene-building, painting, properties, lighting, make-up, or publicity). Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 1430 - Drama Activity (4)

Participation in the production of plays, in acting, or on various crews (scene-building, painting, properties, lighting, make-up, or publicity). Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 2230 - Stage Movement (2)

An introduction to stage directions and how actors move on stage. Students will learn blocking techniques, nuances of expression and positioning, and basic dance techniques for the stage.

Distribution: Visual and Performing Arts.

### THEA 2250 - Theatre Tech I (2)

An introduction to the fundamentals of stage management, including instruction in basic lighting, sound and scenic design.

Distribution: Visual and Performing Arts.

### THEA 2310 - Acting I (3)

Study of the fundamentals of interpreting character and the technique of stage movement. Practical experience in 10-minute scenes performed in a laboratory setting.

Distribution: Visual and Performing Arts.

### THEA 2350 - Introduction to the Theatre (3)

A survey of theatre architecture, writing, acting, and stagecraft from 5th century B.C. Greece to the present.

Special concentration is centered on "peak" periods in theatrical history and dramaturgy.

Distribution: Visual and Performing Arts.

### THEA 2360 - History of Costume (3)

A survey of costuming used in Western Theatre from earliest times to the present. Practical experience in costume design.

Distribution: Visual and Performing Arts.

### THEA 3100 - Dramatic Production (1)

Work on all aspects of major productions by the UMHB play producing organization. Membership in the producing group is required and acceptance of any and all assignments in connection with a produced play is mandatory. Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 3200 - Dramatic Production (2)

Work on all aspects of major productions by the UMHB play producing organization. Membership in the producing group is required and acceptance of any and all assignments in connection with a produced play is mandatory. Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 3250 - Theatre Tech II (2)

A continuation of THEA 2250 to include functional application of lighting, sound, and costume design, as well as basic scenic and stage prop construction. Prerequisite: THEA 2250

Distribution: Visual and Performing Arts.

### THEA 3300 - Dramatic Production (3)

Work on all aspects of major productions by the UMHB play producing organization. Membership in the producing group is required and acceptance of any and all assignments in connection with a produced play is mandatory. Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

### THEA 3320 - Acting II (3)

A continuation of THEA 2310. Students will continue to develop acting skills with an emphasis on script analysis and play structure. Prerequisite: THEA 2310.

Distribution: Visual and Performing Arts.

**THEA 3350 - Play Production for Secondary Teachers (3)**

Study and discussion of problems in directing plays, including play selection, casting, organization, and conducting rehearsals. Analysis of dramatic structure, reading one-act plays, and preparation of a director's manuscript.

Distribution: Visual and Performing Arts.

**THEA 3400 - Dramatic Production (4)**

Work on all aspects of major productions by the UMHB play producing organization. Membership in the producing group is required and acceptance of any and all assignments in connection with a produced play is mandatory. Students may register for one to four hours of credit. May be repeated for credit.

Distribution: Visual and Performing Arts.

**THEA 4300 - Directing (3)**

Study of the basic techniques of working with actors as well as the analysis of plays for production and the "geometry" of stage blocking. Practical experience in direction of a project negotiated with the instructor.

Distribution: Visual and Performing Arts.

**THEA 4350 - Playwriting (3)**

Study of plotting, analysis, and dialogue in the preparation of a dramatic work. Practical experience in creative writing of one-act and/or full length plays. Prerequisite: DRAM 2350.

Distribution: Visual and Performing Arts.

**THEA 4391 - Seminar (3)**

A study of selected topics in Theater. The topic will be announced prior to registration.

Distribution: Visual and Performing Arts.

**THEA 4395 - Internship in Theatre (3)**

Students are mentored by professionals in performance organizations for at least nine hours per week (paid or unpaid internship). The intern is to observe, first-hand, day-to-day functions and operations of the organization and given meaningful projects to perform. These duties are to be negotiated among the mentor, UMHB faculty, and intern. The intern's performance is to be evaluated by the mentor and UMHB faculty at the end of the internship. The intern will keep a daily log with simple one-or two-line entries that identify daily tasks, accomplishments, hours worked, and any problems encountered.

Distribution: Visual and Performing Arts.

**UMHB - Student Development****UMHB 1002 - Chapel (0)**

A complete education includes experiences that seek to develop the mind, body, and spirit. Informative and inspirational programs are presented which include music, testimonies, speakers, missions, and other special emphases.

Distribution: Student Development.

**UMHB 1005 - Fine Arts Experience (0)**

The purpose of this Fine Arts Experience requirement is to establish and foster a life-long pattern of fine arts involvement.

**UMHB 1101 - Freshman Seminar (1)**

The main goal of the course is to equip students with strategies for insuring their full, active participation in the process of making a successful transition to the university experience. The design of the course is to help students develop or improve their study and time management skills; to obtain information about academic programs, including course, major, and graduation requirements; to understand the occupational implications of their educational choices, to clarify why they are in college, identify personal and work values, and establish realistic career and life goals.

Distribution: Student Development.

**UMHB 3202 - Peer Mentors (2)**

In the Peer Mentor Seminar, the Peer Mentors (Cru-Leaders) will deepen their understanding of the developmental issues that face first year students as they transition to college life. The Cru-Leaders will have the opportunity to learn theory and apply practical knowledge while working with their assigned mentees.

Distribution: Student Development.

**UMHB 4100 - Career Coaching & Planning (1)**

This course is designed to offer students enhanced career coaching through personalized advisement, planning, and courses of action with the opportunity for independent study. Activities and assignments are designed to meet personal career development needs.

Distribution: Student Development.

**WRIT - Writing****WRIT 3341 - Creative Writing: Prose (3)**

Instruction and practice in writing creative non-fiction, short stories, and possibly other forms of creative writing. Class discussion and criticism of work produced. Work from this course may be considered for publication in the

*Baylorian*. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 3342 - Advanced Grammar (3)**

A study of modern English grammar with emphasis on its origin, syntax, morphology, usage, and current misuse. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 3343 - Advanced Composition (3)**

A course focused on developing advanced skills in nonfiction writing. Includes study of theories of composition. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 3344 - Scientific Writing (3)**

This course provides an overview of the writing and research processes for various genres of scientific and technical writing. It will address the purposes and principles of scientific communication. Assignments will cover writing for both general and specialized audiences. This course fulfills a Writing Emphasis (WE) requirement. Prerequisites: grade of C or better in ENGL 1321 and ENGL 1322.

Distribution: Humanities.

### **WRIT 4192 - Publications Workshop (1)**

Practical experience in editing and production of literary journals. Students will serve on the staff of the UMHB literary magazine, *The Baylorian*, and will assist with the Writers' Festival. This course may count only one time as a Set 2 course in the English minor but may be repeated for elective credit. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 4292 - Publications Workshop (2)**

Practical experience in editing and production of literary journals. Students will serve on the staff of the UMHB literary magazine, *The Baylorian*, and will assist with the Writers' Festival. This course may count only one time as a Set 2 course in the English minor but may be repeated for elective credit. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 4343 - Advanced Rhetoric (3)**

Study of classical and modern rhetoric, from Aristotle and Cicero to Booth, Toulmin, and others. Emphasis on skills necessary to construct and analyze arguments and to

engage in a variety of discourses in a rhetorically effective way. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 4344 - Creative Writing: Poetry (3)**

Students will learn to tap into their own creative sources, learn the role of reading and critiquing the work of others in the sharpening of one's own talent, and gain the tools needed to come away from the class with a sharpened appreciation of the creative process and with a heightened insight into the workings of the language, including metaphor and other types of figurative language. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 4392 - Publications Workshop (3)**

Practical experience in editing and production of literary journals. Students will serve on the staff of the UMHB literary magazine, *The Baylorian*, and will assist with the Writers' Festival. This course may count only one time as a Set 2 course in the English minor but may be repeated for elective credit. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

### **WRIT 4492 - Publications Workshop (4)**

Practical experience in editing and production of literary journals. Students will serve on the staff of the UMHB literary magazine, *The Baylorian*, and will assist with the Writers' Festival. This course may count only one time as a Set 2 course in the English minor but may be repeated for elective credit. Prerequisites: ENGL 1321, 1322, and two 2000-level English courses.

Distribution: Humanities.

## **BSPH - Public Health**

### **BSPH 2335 - Introduction to Health Science (3)**

This course provides students an overview of various careers in the health sciences including the aptitudes, abilities and educational pathways required for each. A basic overview of the U.S. health care system and current issues affecting the delivery of health care will also be provided. Throughout the course, interprofessional practice, communication, and ethics in health care will be explored.

Distribution: Exercise Science.

### **BSPH 2350 - Foundations of Health Education and Promotion (3)**

This course is essential to acquaint students with the profession of health education. An emphasis will be placed

on increasing students' knowledge base of health education and promotion, professional culture, and practice of health educators. There are no prerequisites for this course.

Distribution: Exercise Science.

### **BSPH 2352 - Personal Health and Fitness (3)**

A study of factors that contribute to personal health, including nutrition, diet, weight control, emotional health, stress, proper use of drugs, and medical and dental services.

Distribution: Exercise Science.

### **BSPH 3315 - Community and Public Health (3)**

This course will introduce students to the many aspects of community and public health, and the role of health educators. Students will increase their understanding of the process of community development, empowerment, and coalition building. An emphasis will also be placed on the role of epidemiology in community health, the process for planning and implementing community wellness programs, increase their knowledge of research proposal skills and different research designs, and prominent issues impacting public health today. Prerequisite: BSPH 2350 Foundations of Health Education and Promotion.

Distribution: Exercise Science.

### **BSPH 3320 - Program Planning in Health Education and Promotion (3)**

This course will provide students with the knowledge and skills essential for the development and implementation of comprehensive health education programs. Students will develop an understanding of the principles of program development, implementation, and a brief overview of evaluation. Students will demonstrate their understanding of these principles and their ability to apply them in practice through the development and presentation of a comprehensive community needs assessment and an intervention proposal. Prerequisite: BSPH 2350 Foundations of Health Education and Promotion.

Distribution: Exercise Science.

### **BSPH 4191 - Seminar in Public Health (1)**

This course will be a one-credit hour course taken during the final semester of coursework as part of the professional preparation for students to enter the job market and to prepare students to succeed in passing the CHES examination. (1 credit hour)

Distribution: Exercise Science.

### **BSPH 4285 - Capstone in Public Health (2)**

This course will be a two-credit hour course taken during the final semester of coursework as a culminating experience where students have the opportunity to apply learned competencies to a topic in health promotion. A

written project will be presented upon completion of the course. (2 credit hours)

Distribution: Exercise Science.

### **BSPH 4310 - Theories in Health Behavior (3)**

This course will prepare students for using theory in the development and implementation of health programs to ensure best evidence-based practice in health education and public health careers. This course will be designed to teach fundamental health behavior theories that drive research and practice in health education and public health. The appropriate balance between theory, research, and practice is imperative to producing effective health education programs. Prerequisite: BSPH 2350 Foundations of Health Education and Promotion.

Distribution: Exercise Science.

### **BSPH 4340 - Health Program Evaluation (3)**

This course will provide an understanding of the various types of program evaluation, including needs assessment, formative evaluation, process evaluation, monitoring of outputs and outcomes, impact evaluation, and outcome evaluation. Students will gain knowledge and practical experience through the design of a conceptual framework, development of indicators, and formulate an evaluation plan to measure program impact. Prerequisites: BSPH 2350 Foundations of Health Education and Promotion and BSPH 3320 Program Planning in Health Education and Promotion.

Distribution: Exercise Science.

### **BSPH 4344 - Leadership in Health Science (3)**

Provides foundational leadership principles in various settings within the exercise and sport science profession. Additionally, students will gain knowledge and skills in professional development and responsibility necessary to leadership and administration as a professional in exercise and sport science.

Distribution: Exercise Science.

### **BSPH 4350 - Internship in Public Health (3)**

This is a supervised applied practical experience which will take place at an extramural agency or organization engaged in work related to public health and health promotion. This allows students to apply learned competencies in a public health practice setting. This project requires written approval from the student's advisor and program director. (3 credit hours)

Distribution: Exercise Science.

### **BSPH 4360 - Pathophysiology of Chronic Disease (3)**

This course will cover pathophysiology of the major chronic diseased states such as cardiovascular disease, cerebrovascular disease, dyslipidemia, hypertension,

diabetes, cancer, obesity, COPD, etc. and will include etiology symptoms, and the physical reactions to diseases. Emphasis is placed on the interactions among body systems, and deviations from homeostasis and the role of lifestyle and nutrition on the progression and prevention of these diseased states. Prerequisite: A "C" or higher in BIOL 2341/2141

Distribution: Exercise Science.

**BSPH 4392 - Tests and Measurements in EXSS (3)**

Tests and Measurement is designed to teach the student the foundational theory of measurement and evaluation including reliability, validity, objectivity, and relevance. Practical application of test construction and test analysis will be an integral part of the course. Descriptive and inferential statistical procedures will be addressed.

Distribution: Exercise Science.

## GRADUATE PROGRAMS

For information pertaining to graduate programs, refer to the graduate catalog. You may also contact the Graduate Admissions Office directly at (254) 295-4924.

**Graduate Programs in Business** (254) 295-4644,  
[collegeofbusiness@umhb.edu](mailto:collegeofbusiness@umhb.edu)

Master of Business Administration (M.B.A.)

Master of Science in Accounting (M.S.A.)

Master of Science in Information Systems (M.S.I.S.)

**Graduate Programs in Counseling** (254) 295-5425,  
[ehuffman@umhb.edu](mailto:ehuffman@umhb.edu)

Master of Arts (M.A.)

Clinical Mental Health Counseling

Marriage, Family, and Child Counseling

Non-Clinical Professional Studies

**Graduate Programs in Education** (254) 295-4572,  
[collegeofeducation@umhb.edu](mailto:collegeofeducation@umhb.edu)

Doctor of Education (Ed.D.)

P-12 (with superintendent certification)

Higher Education

Leadership in Nursing Education

Master of Education (M.Ed.)

Educational Administration (with principal certification)

Curriculum and Instruction

Master of Science in Education (M.S.Ed.)

Sport Administration

Master of Science (M.S.)

Exercise Physiology

**Graduate Programs in Nursing** (254) 295-4662,  
[collegeofnursing@umhb.edu](mailto:collegeofnursing@umhb.edu)

Master of Science in Nursing (M.S.N.)

Adult-Gerontology Acute Care Nurse Practitioner

Nursing Education

Nursing Executive Leadership

Family Nurse Practitioner

**Doctorate in Physical Therapy** (254) 295-4921,  
[bgresham@umhb.edu](mailto:bgresham@umhb.edu)

Doctor of Physical Therapy (D.P.T.)

**Master of Science in Occupational Therapy** (254) 295-4837, [gkrug@umhb.edu](mailto:gkrug@umhb.edu)

Master of Science in Occupational Therapy (M.S.)

**Master of Science in Physician Assistant** (254) 295-4968, [wstewart@umhb.edu](mailto:wstewart@umhb.edu)

Master of Science in Physician Assistant (M.S.)



## SITE MAP



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